

Mastering the game of Go without human knowledge

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Content Complexity, Similarity, and Consistency in Social Media: A Deep Learning Approach. SSRN Electronic Journal, 2016, , .	0.4	2
2	Learning to play Go from scratch. Nature, 2017, 550, 336-337.	27.8	53
3	Solar energy forecasting with numerical weather predictions on a grid and convolutional networks. , 2017, , .		7
4	Computational Foundations of Natural Intelligence. Frontiers in Computational Neuroscience, 2017, 11, 112.	2.1	36
5	Manufacturing an Artificial Intelligence Revolution. SSRN Electronic Journal, 0, , .	0.4	19
6	Imitation Learning for Playing Shogi Based on Generative Adversarial Networks. , 2017, , .		3
7	Macro, Finance, and Macro Finance: Solving Nonlinear Models in Continuous Time with Machine Learning. SSRN Electronic Journal, 2017, , .	0.4	4
8	Relationship Banking and Information Technology: The Role of Artificial Intelligence and Fintech. SSRN Electronic Journal, 0, , .	0.4	5
9	Can Deep Networks Learn to Play by the Rules? A Case Study on <i>Nine Men's Morris</i> . IEEE Transactions on Games, 2018, 10, 344-353.	1.4	4
10	Machine learning & artificial intelligence in the quantum domain: a review of recent progress. Reports on Progress in Physics, 2018, 81, 074001.	20.1	536
11	Towards Brain Big Data Classification: Epileptic EEG Identification With a Lightweight VGGNet on Global MIC. IEEE Access, 2018, 6, 14722-14733.	4.2	72
13	Tuning the molecular weight distribution from atom transfer radical polymerization using deep reinforcement learning. Molecular Systems Design and Engineering, 2018, 3, 496-508.	3.4	43
14	Artificial intelligence will soon change the landscape of medical physics research and practice. Medical Physics, 2018, 45, 1791-1793.	3.0	57
15	Deep learning based tissue analysis predicts outcome in colorectal cancer. Scientific Reports, 2018, 8, 3395.	3.3	450
16	Threat of Adversarial Attacks on Deep Learning in Computer Vision: A Survey. IEEE Access, 2018, 6, 14410-14430.	4.2	1,225
17	Deep Reinforcement Learning Based Dynamic Channel Allocation Algorithm in Multibeam Satellite Systems. IEEE Access, 2018, 6, 15733-15742.	4.2	93
18	Improvement of Generalization Ability of Deep CNN via Implicit Regularization in Two-Stage Training Process. IEEE Access, 2018, 6, 15844-15869.	4.2	201
19	Human and Smart Machine Co-Learning: Brain-Computer Interaction at the 2017 IEEE International Conference on Systems, Man, and Cybernetics. IEEE Systems, Man, and Cybernetics Magazine, 2018, 4, 6-13.	1.4	3

#	ARTICLE	IF	CITATIONS
20	Impact of the end of CMOS miniaturization on ICT and the world after that. , 2018, , .		0
21	Artificial intelligence test: a case study of intelligent vehicles. Artificial Intelligence Review, 2018, 50, 441-465.	15.7	102
22	Discrete space reinforcement learning algorithm based on support vector machine classification. Pattern Recognition Letters, 2018, 111, 30-35.	4.2	28
23	Neural Circuit Mechanisms of Social Behavior. Neuron, 2018, 98, 16-30.	8.1	353
24	Advancing systems and control research in the era of ML and AI. Annual Reviews in Control, 2018, 45, 1-4.	7.9	25
25	The Job Market Outlook for Residency Graduates: Clear Weather Ahead for the Butterflies?. Archives of Pathology and Laboratory Medicine, 2018, 142, 435-438.	2.5	1
26	Active Search for Computerâ€Aided Drug Design. Molecular Informatics, 2018, 37, 1700130.	2.5	17
27	The grand challenges of <i>Science Robotics</i>. Science Robotics, 2018, 3, .	17.6	787
28	Sigmoid-weighted linear units for neural network function approximation in reinforcement learning. Neural Networks, 2018, 107, 3-11.	5.9	603
29	Fully memristive neural networks for pattern classification with unsupervised learning. Nature Electronics, 2018, 1, 137-145.	26.0	787
30	Identifying Significance of Human Cognition in Future Maintenance Operations. Advances in Intelligent Systems and Computing, 2018, , 550-556.	0.6	6
31	Deep Learning for real-time gravitational wave detection and parameter estimation: Results with Advanced LIGO data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 64-70.	4.1	230
32	A Survey of Deep Learning: Platforms, Applications and Emerging Research Trends. IEEE Access, 2018, 6, 24411-24432.	4.2	429
33	Does AI have a hardware problem?. Nature Electronics, 2018, 1, 205-205.	26.0	13
34	Detection and Automation Technologies for the Mass Production of Droplet Biomicrofluidics. IEEE Reviews in Biomedical Engineering, 2018, 11, 260-274.	18.0	7
35	Learning From Pseudo-Randomness With an Artificial Neural Networkâ€Does God Play Pseudo-Dice?. IEEE Access, 2018, 6, 22987-22992.	4.2	17
36	Understanding the thermal properties of amorphous solids using machine-learning-based interatomic potentials. Molecular Simulation, 2018, 44, 866-880.	2.0	69
38	Handwritten digit recognition system on an FPGA. , 2018, , .		12

#	ARTICLE	IF	CITATIONS
39	Multidisciplinary and Historical Perspectives for Developing Intelligent and Resource-Efficient Systems. IEEE Access, 2018, 6, 17464-17499.	4.2	18
40	Compressing Chinese Dark Chess Endgame Databases by Deep Learning. IEEE Transactions on Games, 2018, 10, 413-422.	1.4	6
41	Can we accelerate medicinal chemistry by augmenting the chemist with Big Data and artificial intelligence?. Drug Discovery Today, 2018, 23, 1373-1384.	6.4	32
42	Adaptive nodes enrich nonlinear cooperative learning beyond traditional adaptation by links. Scientific Reports, 2018, 8, 5100.	3.3	19
43	3D Deep Learning Angiography (3D-DLA) from C-arm Conebeam CT. American Journal of Neuroradiology, 2018, 39, 916-922.	2.4	10
44	Learning-based data analytics: Moving towards transparent power grids. CSEE Journal of Power and Energy Systems, 2018, 4, 67-82.	1.1	34
45	Deep convolutional neural network training enrichment using multi-view object-based analysis of Unmanned Aerial systems imagery for wetlands classification. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 139, 154-170.	11.1	92
46	Big Data and Machine Learning in Health Care. JAMA - Journal of the American Medical Association, 2018, 319, 1317.	7.4	1,030
47	Hierarchical Deep Reinforcement Learning for Continuous Action Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5174-5184.	11.3	117
48	Quantum Machine Learning im chemischen Raum. Angewandte Chemie, 2018, 130, 4235-4240.	2.0	3
49	Quantum Machine Learning in Chemical Compound Space. Angewandte Chemie - International Edition, 2018, 57, 4164-4169.	13.8	167
50	Machine learning and data science in soft materials engineering. Journal of Physics Condensed Matter, 2018, 30, 043002.	1.8	114
51	How Modes of Mythâ€œMaking Affect the Particulars of DS/ML Adoption in Industry. Conference Proceedings Ethnographic Praxis in Industry Conference, 2018, 2018, 264-280.	0.1	3
52	Perspective: the opportunities and possibilities unleashed by clustered regularly interspaced short palindromic repeats and artificial intelligence. AME Medical Journal, 0, 3, 4-4.	0.4	0
53	Cluster-based Alpha-Beta Search for Real-Time Strategy Games. IOP Conference Series: Materials Science and Engineering, 2018, 435, 012012.	0.6	1
54	Game-Theoretic Cooperative Lane Changing Using Data-Driven Models. , 2018, , .		13
55	Empirical Evaluation of Idle-Time Analysis Driven Improved Decision Making by Always-On Agents. , 2018, , .		0
56	Actor-Critic-Based Resource Allocation for Multi-Modal Optical Networks. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
57	Policy Gradient Based Reinforcement Learning Approach for Autonomous Highway Driving. , 2018, , .		17
58	SENSEI: An Intelligent Advisory System for the eSport Community and Casual Players. , 2018, , .		7
59	Design of a Block Go program using deep learning and Monte Carlo tree search. ICGA Journal, 2018, , 1-11.	0.3	1
60	Research on Deployment of Communication Node Vehicles Based on Deep Reinforcement Learning. , 2018, , .		1
61	Can Computers Become Conscious and Overcome Humans?. Frontiers in Robotics and AI, 2018, 5, 121.	3.2	27
62	HRLBâCEf2: A Reinforcement Learning Based Framework for Believable Bots. Applied Sciences (Switzerland), 2018, 8, 2453.	2.5	15
63	Deep bidirectional intelligence: AlphaZero, deep IA-search, deep IA-infer, and TPC causal learning. Applied Informatics, 2018, 5, .	0.5	14
64	Prospects and Challenges for Clinical Decision Support in the Era of Big Data. JCO Clinical Cancer Informatics, 2018, 2, 1-12.	2.1	23
65	Games and loop integrals. Journal of Physics: Conference Series, 2018, 1085, 022007.	0.4	0
66	New Type of Nitrides with High Electrical and Thermal Conductivities. Chinese Physics Letters, 2018, 35, 087102.	3.3	4
67	Sharpening the Scythe of Technological Change: Socio-Technical Challenges of Autonomous and Adaptive Cyber-Physical Systems. Designs, 2018, 2, 52.	2.4	2
68	Posterior sampling for Monte Carlo planning under uncertainty. Applied Intelligence, 2018, 48, 4998-5018.	5.3	2
69	An Implementation of Reinforcement Learning in Assembly Path Planning based on 3D Point Clouds. , 2018, , .		2
70	A Reinforcement Learning Based Resource Management Approach for Time-critical Workloads in Distributed Computing Environment. , 2018, , .		12
71	Can Deep Reinforcement Learning Improve Inventory Management? Performance and Implementation of Dual Sourcing-Mode Problems. SSRN Electronic Journal, 0, , .	0.4	17
72	Exploration and Exploitation of New Knowledge Emergence to Improve the Collective Intelligent Decision-Making Level of Web-of-Cells With Cyber-Physical-Social Systems Based on Complex Network Modeling. IEEE Access, 2018, 6, 74204-74239.	4.2	16
73	A Finite Sample Analysis of the Actor-Critic Algorithm. , 2018, , .		11
74	An Information Theoretic View on Learning of Artificial Neural Networks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
75	Speed Regulation of Overhead Catenary System Inspection Robot for High-Speed Railway through Reinforcement Learning. , 2018, , .		5
76	Regulating for 'Normal AI Accidents'. , 2018, , .		17
77	MONTE CARLO TREE SEARCH: A TUTORIAL. , 2018, , .		9
78	Efficient Vehicle Recognition and Classification using Convolutional Neural Network. , 2018, , .		1
79	Frameworks for Data Governance and the Implications for Sustainable Development in the Global South. SSRN Electronic Journal, 0, , .	0.4	1
80	Power to the Future: Use Cases and Challenges for Mobile, Self Configuring, and Distributed Power Grids. , 2018, , .		3
81	The Big Win Strategy on Multi-Value Network. , 2018, , .		4
82	Deepwound: Automated Postoperative Wound Assessment and Surgical Site Surveillance through Convolutional Neural Networks. , 2018, , .		28
83	Interpret Neural Networks by Identifying Critical Data Routing Paths. , 2018, , .		46
84	Agent-based Integrated Resource Strategic Planning Model. , 2018, , .		1
85	DNA: General Deterministic Network Adaptive Framework for Multi-Round Multi-Party Influence Maximization. , 2018, , .		1
86	Taking Gradients Through Experiments: LSTMs and Memory Proximal Policy Optimization for Black-Box Quantum Control. Lecture Notes in Computer Science, 2018, , 591-613.	1.3	15
87	Alternative Multitask Training for Evaluation Functions in Game of Go. , 2018, , .		1
88	A tale of three probabilistic families: Discriminative, descriptive, and generative models. Quarterly of Applied Mathematics, 2018, 77, 423-465.	0.7	7
89	Game Theoretic Approach for Applying Artificial Intelligence in the Credit Industry. , 2018, , .		1
90	On Accelerating Multi-Layered Heterogeneous Network Embedding Learning. , 2018, , .		0
91	Implementation and Evaluation of Information Set Monte Carlo Tree Search for Pok��mon. , 2018, , .		1
92	Weighted Majority Voting with a Heterogeneous System in the Game of Shogi. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
93	Backing Up Control of a Self-Driving Truck-Trailer Vehicle with Deep Reinforcement Learning and Fuzzy Logic. , 2018, , .		6
94	Online Multi-Object Tracking via Combining Discriminative Correlation Filters With Making Decision. IEEE Access, 2018, 6, 43499-43512.	4.2	12
95	Semi-supervised Learning Using Generative Adversarial Networks. , 2018, , .		5
96	Exact-Win Strategy for Overcoming AlphaZero. , 2018, , .		2
97	Learning of Evaluation Functions via Self-Play Enhanced by Checkmate Search. , 2018, , .		3
98	Interpreting Neural-Network Players for Game 2048. , 2018, , .		2
99	Air-Combat Strategy Using Deep Q-Learning. , 2018, , .		25
100	Performance Implications of Big Data in Scalable Deep Learning: On the Importance of Bandwidth and Caching. , 2018, , .		2
101	Deep Reinforcement Learning Approach for Train Rescheduling Utilizing Graph Theory. , 2018, , .		21
102	Deep Reinforcement Learning Apply in Electromyography Data Classification. , 2018, , .		10
103	A Robotic Auto-Focus System based on Deep Reinforcement Learning. , 2018, , .		3
104	Examination of Indicators for Estimating Players' Strength by Using Computer Go. , 2018, , .		2
105	Incorporating Prior Domain Knowledge into Deep Neural Networks. , 2018, , .		65
106	Solving the Rubik's Cube with Learned Guidance Functions. , 2018, , .		6
107	A CGRA based Neural Network Inference Engine for Deep Reinforcement Learning. , 2018, , .		7
108	Automated Speed and Lane Change Decision Making using Deep Reinforcement Learning. , 2018, , .		139
109	Adversarial Advantage Actor-Critic Model for Task-Completion Dialogue Policy Learning. , 2018, , .		38
110	Q-Learning Acceleration via State-Space Partitioning. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
111	Deep Reinforcement Learning to Acquire Navigation Skills for Wheel-Legged Robots in Complex Environments. , 2018, , .		26
112	Towards Smart Educational Recommendations with Reinforcement Learning in Classroom. , 2018, , .		29
113	Identification of Traditional Motifs Using Convolutional Neural Networks. , 2018, , .		2
114	Identification of new particle formation events with deep learning. Atmospheric Chemistry and Physics, 2018, 18, 9597-9615.	4.9	17
115	An artificial intelligence atomic force microscope enabled by machine learning. Nanoscale, 2018, 10, 21320-21326.	5.6	61
116	Vision Memory for Target Object Navigation Using Deep Reinforcement Learning: An Empirical Study. , 2018, , .		2
117	Towards Robust Human-Robot Collaborative Manufacturing: Multimodal Fusion. IEEE Access, 2018, 6, 74762-74771.	4.2	63
118	Designing Behavioural Artificial Intelligence to Record, Assess and Evaluate Human Behaviour. Multimodal Technologies and Interaction, 2018, 2, 63.	2.5	1
119	Je li Descartesovo razlikovanje Āovjeka i stroja proĀilo mnijenje?. Obnovljeni Život, 2018, 72., 473-479.	0.1	0
120	Development of an Incremental Pattern Extraction Based Gomoku Agent. Periodica Polytechnica Electrical Engineering and Computer Science, 2018, 62, 155-164.	1.0	2
121	Real-Time Object Recognition Based on NAO Humanoid Robot. , 2018, , .		3
122	ALGORITHMS, MACHINE LEARNING, AND COLLUSION. Journal of Competition Law and Economics, 2018, 14, 568-607.	0.8	60
123	SINT++: Robust Visual Tracking via Adversarial Positive Instance Generation. , 2018, , .		79
124	Large Minibatch Training on Supercomputers with Improved Accuracy and Reduced Time to Train. , 2018, , .		11
125	Work-in-Progress: What Recent Artificial Intelligence Breakthroughs in the Game of GO Mean for Human Learning and Engineering Education. , 2018, , .		0
126	Action Strategy in Sevens. , 2018, , .		0
127	A Method for Strategic Migration from Simulation to Real Manipulator System. , 2018, , .		0
128	Actor-critic reinforcement learning for the feedback control of a swinging chain. IFAC-PapersOnLine, 2018, 51, 378-383.	0.9	1

#	ARTICLE	IF	CITATIONS
129	Straight-Path Following for Underactuated Marine Vessels using Deep Reinforcement Learning. IFAC-PapersOnLine, 2018, 51, 329-334.	0.9	40
130	Highway Environment Model for Reinforcement Learning. IFAC-PapersOnLine, 2018, 51, 429-434.	0.9	7
131	Optimization of global production scheduling with deep reinforcement learning. Procedia CIRP, 2018, 72, 1264-1269.	1.9	223
132	Deep Learning-based Multimodal Control Interface for Human-Robot Collaboration. Procedia CIRP, 2018, 72, 3-8.	1.9	41
133	Distilling deep neural networks with reinforcement learning. , 2018, , .		2
134	High Density Silicon Substrates for Processor-Memory Integration. , 2018, , .		0
135	A Hybrid Gomoku Deep Learning Artificial Intelligence. , 2018, , .		5
136	Accelerating Learning in Constructive Predictive Frameworks with the Successor Representation. , 2018, , .		6
137	Analysis of the accuracy and limitation of contour integral equation modeling of planar structures. , 2018, , .		0
138	Learning Deterministic Policy with Target for Power Control in Wireless Networks. , 2018, , .		10
139	A Deep Reinforcement Learning Framework for Identifying Funny Scenes in Movies. , 2018, , .		10
140	Practical Issues of Action-Conditioned Next Image Prediction. , 2018, , .		1
141	Enhancing the Ensemble of Exemplar-SVMs for Binary Classification Using Concurrent Selection and Ensemble Learning. , 2018, , .		1
142	Renewal Monte Carlo: Renewal Theory Based Reinforcement Learning. , 2018, , .		1
143	Image Classification Using Quantum Inference on the D-Wave 2X. , 2018, , .		14
144	Learning to Interrupt: A Hierarchical Deep Reinforcement Learning Framework for Efficient Exploration. , 2018, , .		8
145	Modeling and Optimization of Paper-making Wastewater Treatment Based on Reinforcement Learning. , 2018, , .		8
146	Deep Learning Based QRS Multilead Delineator in Electrocardiogram Signals. , 0, , .		14

#	ARTICLE	IF	CITATIONS
147	Q-learning based Reinforcement Learning Approach for Lane Keeping. , 2018, , .		9
149	Survey of Public Safety Communications: User-Side and Network-Side Solutions and Future Directions. IEEE Access, 2018, 6, 70397-70425.	4.2	38
150	Evolving Deep Neural Networks for Movie Box-Office Revenues Prediction. , 2018, , .		6
151	Machine Learning and Artificial Intelligence: Two Fellow Travelers on the Quest for Intelligent Behavior in Machines. Frontiers in Big Data, 2018, 1, 6.	2.9	60
152	Kinematic Synthesis Using Reinforcement Learning. , 2018, , .		7
153	Application of Neuro-Evolution Machine Learning in Policy Making Application in International Taxation. SSRN Electronic Journal, 0, , .	0.4	0
154	Algorithms, Machine Learning, and Collusion. SSRN Electronic Journal, 0, , .	0.4	9
155	Deep Q Learning Based High Level Driving Policy Determination. , 2018, , .		30
156	Decentralized Cooperative Planning for Automated Vehicles with Hierarchical Monte Carlo Tree Search. , 2018, , .		30
157	RNA3DCNN: Local and global quality assessments of RNA 3D structures using 3D deep convolutional neural networks. PLoS Computational Biology, 2018, 14, e1006514.	3.2	55
158	Four Facts Everyone Ought to Know about Science: The Two-Culture Concerns of Philip W. Anderson. Physics in Perspective, 2018, 20, 342-369.	0.7	1
159	Efficient design of hardware-enabled reservoir computing in FPGAs. Journal of Applied Physics, 2018, 124, .	2.5	27
160	No free lunch in ball catching: A comparison of Cartesian and angular representations for control. PLoS ONE, 2018, 13, e0197803.	2.5	3
161	Searching for Subsecond Stellar Variability with Wide-field Star Trails and Deep Learning. Astrophysical Journal, 2018, 868, 38.	4.5	3
162	Artificial intelligence in gastrointestinal endoscopy: The future is almost here. World Journal of Gastrointestinal Endoscopy, 2018, 10, 239-249.	1.2	122
163	Statistical properties of the mutual transfer network among global football clubs. International Journal of Modern Physics B, 2018, 32, 1850320.	2.0	4
164	CWU-Chess: An Adaptive Chess Program that Improves After Each Game. , 2018, , .		1
165	Impacts of Mathematical Optimizations on Reinforcement Learning Policy Performance. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
166	Mastering the Output Frequency in Spiking Neural Networks. , 2018, , .		10
167	Applying Online Expert Supervision in Deep Actor-Critic Reinforcement Learning. Lecture Notes in Computer Science, 2018, , 469-478.	1.3	1
168	Generation of Bose-Einstein Condensatesâ€™ Ground State Through Machine Learning. Scientific Reports, 2018, 8, 16337.	3.3	5
169	AlphaZero for a Non-Deterministic Game. , 2018, , .		5
170	Monster Carlo: An MCTS-based Framework for Machine Playtesting Unity Games. , 2018, , .		13
171	Autonomous Grading Work Using Deep Reinforcement Learning Based Control. , 2018, , .		2
172	Curved Path Following with Deep Reinforcement Learning: Results from Three Vessel Models. , 2018, , .		27
173	Artificial Intelligence, Algorithmic Pricing and Collusion. SSRN Electronic Journal, 0, , .	0.4	17
174	Nanowire-Based Biosensors: From Growth to Applications. Micromachines, 2018, 9, 679.	2.9	99
175	Training with enlightening model for games with difficult-starting problem. , 2018, , .		0
176	Digital Twins of Manufacturing Systems as a Base for Machine Learning. , 2018, , .		43
177	Empirical Analysis of PUCT Algorithm with Evaluation Functions of Different Quality. , 2018, , .		2
178	Dissipating stop-and-go waves in closed and open networks via deep reinforcement learning. , 2018, , .		62
179	The machine learning horizon in cardiac hybrid imaging. European Journal of Hybrid Imaging, 2018, 2, .	1.5	30
180	Bearing Fault Automatic Classification Based on Deep Learning. IEEE Access, 2018, 6, 71540-71554.	4.2	45
181	The Analysis Between Traditional Convolution Neural Network and CapsuleNet. , 2018, , .		2
182	Learning Evasion Strategy in Pursuit-Evasion by Deep Q-network. , 2018, , .		5
184	Multi-Scale Attentive Interaction Networks for Chinese Medical Question Answer Selection. IEEE Access, 2018, 6, 74061-74071.	4.2	20

#	ARTICLE	IF	CITATIONS
185	Monte-Carlo Planning for Team Re-Formation Under Uncertainty: Model and Properties. , 2018, , .		0
186	Automatic Mapping of Thermokarst Landforms from Remote Sensing Images Using Deep Learning: A Case Study in the Northeastern Tibetan Plateau. Remote Sensing, 2018, 10, 2067.	4.0	38
187	Focus on Scene Text Using Deep Reinforcement Learning. , 2018, , .		1
188	Crafting a Toolchain for Image Restoration by Deep Reinforcement Learning. , 2018, , .		123
189	The Technological Investor: Deeper Innovation Through Reorientation. SSRN Electronic Journal, 2018, , .	0.4	3
190	Decentralized Cooperative Planning for Automated Vehicles with Continuous Monte Carlo Tree Search. , 2018, , .		11
191	You Cannot Improve What You Do not Measure. ACM Transactions on Reconfigurable Technology and Systems, 2018, 11, 1-23.	2.5	42
192	Intelligent Middle-Level Game Control. , 2018, , .		3
193	Dynamic Replication and Hedging: A Reinforcement Learning Approach. SSRN Electronic Journal, 0, , .	0.4	0
194	Towards Game-based Metrics for Computational Co-Creativity. , 2018, , .		5
195	Guided Deep Reinforcement Learning in the GeoFriends2 Environment. , 2018, , .		3
196	Asynchronous Methods for Multi-agent Deep Deterministic Policy Gradient. Lecture Notes in Computer Science, 2018, , 711-721.	1.3	1
197	Deep Reinforcement Learning for General Video Game AI. , 2018, , .		64
198	Construction of LDPC Codes Based on Deep Reinforcement Learning. , 2018, , .		9
199	Learning a Structured Neural Network Policy for a Hopping Task. IEEE Robotics and Automation Letters, 2018, 3, 4092-4099.	5.1	8
200	Trusting Intelligent Machines: Deepening Trust Within Socio-Technical Systems. IEEE Technology and Society Magazine, 2018, 37, 76-83.	0.8	77
201	A general reinforcement learning algorithm that masters chess, shogi, and Go through self-play. Science, 2018, 362, 1140-1144.	12.6	1,704
202	Mastering board games. Science, 2018, 362, 1118-1118.	12.6	3

#	ARTICLE	IF	CITATIONS
203	Averaged-A3C for Asynchronous Deep Reinforcement Learning. Lecture Notes in Computer Science, 2018, , 277-288.	1.3	3
204	Heterogeneous Multi-task Learning of Evaluation Functions for Chess and Shogi. Lecture Notes in Computer Science, 2018, , 347-358.	1.3	1
205	WearableDL: Wearable Internet-of-Things and Deep Learning for Big Data Analytics”Concept, Literature, and Future. Mobile Information Systems, 2018, 2018, 1-20.	0.6	21
206	ReNN: Rule-embedded Neural Networks. , 2018, , .		8
207	Automatically Generated Curriculum based Reinforcement Learning for Autonomous Vehicles in Urban Environment. , 2018, , .		37
208	A Brain-Inspired Cognitive System that Mimics the Dynamics of Human Thought. Lecture Notes in Computer Science, 2018, , 50-62.	1.3	1
209	Shallow Decision-Making Analysis in General Video Game Playing. , 2018, , .		5
210	Adaptive Behavior Generation for Autonomous Driving using Deep Reinforcement Learning with Compact Semantic States. , 2018, , .		50
211	Why We Do Not Evolve Software? Analysis of Evolutionary Algorithms. Evolutionary Bioinformatics, 2018, 14, 117693431881590.	1.2	3
212	Perspective: Uniform switching of artificial synapses for large-scale neuromorphic arrays. APL Materials, 2018, 6, .	5.1	26
213	Computational Functionalism for the Deep Learning Era. Minds and Machines, 2018, 28, 667-688.	4.8	9
214	Solving frustrated quantum many-particle models with convolutional neural networks. Physical Review B, 2018, 98, .	3.2	54
215	Learning Perfectly Secure Cryptography to Protect Communications with Adversarial Neural Cryptography. Sensors, 2018, 18, 1306.	3.8	42
216	Protein structure and computational drug discovery. Biochemical Society Transactions, 2018, 46, 1367-1379.	3.4	24
217	Empiricism without magic: transformational abstraction in deep convolutional neural networks. Synth`se, 2018, 195, 5339-5372.	1.1	63
218	Multifunction cognitive radar task scheduling using Monte Carlo tree search and policy networks. IET Radar, Sonar and Navigation, 2018, 12, 1437-1447.	1.8	31
219	Inductive Discovery by Machine Learning for Identification of Structural Models. Lecture Notes in Computer Science, 2018, , 545-552.	1.3	1
220	Precision gaming for health: Computer games as digital medicine. Methods, 2018, 151, 28-33.	3.8	9

#	ARTICLE	IF	CITATIONS
221	Natural Scene Text Detection Based on Deep Supervised Fully Convolutional Network. Lecture Notes in Computer Science, 2018, , 439-448.	1.3	0
222	Check Regularization: Combining Modularity and Elasticity for Memory Consolidation. Lecture Notes in Computer Science, 2018, , 315-325.	1.3	1
223	Highlights from the 28th Annual Meeting of the Society for the Neural Control of Movement. Journal of Neurophysiology, 2018, 120, 1671-1679.	1.8	7
224	Integration of big-data ERP and business analytics (BA). Journal of High Technology Management Research, 2018, 29, 141-150.	4.9	29
225	LCP: a Layer Clusters Paralleling mapping method for accelerating Inception and Residual networks on FPGA. , 2018, , .		8
226	Invited: Efficient Reinforcement Learning for Automating Human Decision-Making in SoC Design. , 2018, , .		1
227	A Computational Framework for Automatic Online Path Generation of Robotic Inspection Tasks via Coverage Planning and Reinforcement Learning. IEEE Access, 2018, 6, 54854-54864.	4.2	28
228	Brain-oriented Cconvolutional Neural Network Computer Style Recognition of Classical Chinese Poetry. NeuroQuantology, 2018, 16, .	0.2	2
229	Overview on DeepMind and Its AlphaGo Zero AI. , 2018, , .		51
230	Measurement-based adaptation protocol with quantum reinforcement learning. Physical Review A, 2018, 98, .	2.5	46
231	Artificial Intelligence for Development: AI4D. SSRN Electronic Journal, 2018, , .	0.4	4
232	Preparing for the Unexpected: Diversity Improves Planning Resilience in Evolutionary Algorithms. , 2018, , .		8
233	Efficient Exploration Through Bayesian Deep Q-Networks. , 2018, , .		33
234	Cognitive Mimetics for Designing Intelligent Technologies. Advances in Human-Computer Interaction, 2018, 2018, 1-9.	2.8	11
235	Learning what to approach. PLoS Biology, 2018, 16, e3000043.	5.6	1
236	Reinforcement Learning with Neural Networks for Quantum Feedback. Physical Review X, 2018, 8, .	8.9	137
237	From Machine Learning to Explainable AI. , 2018, , .		149
238	A Design of IoT Based Contextual Adaptation Management System. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
239	Distributed deep reinforcement learning on the cloud for autonomous driving. , 2018, , .		9
240	Dynamic Path Planning of Unknown Environment Based on Deep Reinforcement Learning. Journal of Robotics, 2018, 2018, 1-10.	0.9	85
241	A Traffic Signal Control Method Based on Asynchronous Reinforcement Learning. , 2018, , .		2
242	Deep RTS: A Game Environment for Deep Reinforcement Learning in Real-Time Strategy Games. , 2018, , .		35
243	Human-Like Playtesting with Deep Learning. , 2018, , .		47
244	Building Evaluation Functions for Chess and Shogi with Uniformity Regularization Networks. , 2018, , .		3
245	Theoretical Models of Neural Development. IScience, 2018, 8, 183-199.	4.1	14
246	Preference-Based Monte Carlo Tree Search. Lecture Notes in Computer Science, 2018, , 327-340.	1.3	3
247	Policy Learning Using SPSA. Lecture Notes in Computer Science, 2018, , 3-12.	1.3	4
248	When Does “Knowing More is Less” Happen in Real Games. , 2018, , .		1
249	Global Epileptic Seizure Identification With Affinity Propagation Clustering Partition Mutual Information Using Cross-Layer Fully Connected Neural Network. Frontiers in Human Neuroscience, 2018, 12, 396.	2.0	3
250	Scalable photonic reinforcement learning by time-division multiplexing of laser chaos. Scientific Reports, 2018, 8, 10890.	3.3	46
251	Using Convolution and Deep Learning in Gomoku Game Artificial Intelligence. Parallel Processing Letters, 2018, 28, .	0.6	3
252	Vowel recognition with four coupled spin-torque nano-oscillators. Nature, 2018, 563, 230-234.	27.8	356
253	Testing Cryptographically Secure Pseudo Random Number Generators with Artificial Neural Networks. , 2018, , .		13
254	Cooperative and Competitive Reinforcement and Imitation Learning for a Mixture of Heterogeneous Learning Modules. Frontiers in Neurorobotics, 2018, 12, 61.	2.8	5
255	The art of drafting. , 2018, , .		38
256	Reinforcement learning for control: Performance, stability, and deep approximators. Annual Reviews in Control, 2018, 46, 8-28.	7.9	231

#	ARTICLE	IF	CITATIONS
257	Market Model Benchmark Suite for Machine Learning Techniques. IEEE Computational Intelligence Magazine, 2018, 13, 14-24.	3.2	3
258	Gradient Descent Using Stochastic Circuits for Efficient Training of Learning Machines. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 2530-2541.	2.7	27
259	Evolving Robust Policy Coverage Sets in Multi-Objective Markov Decision Processes Through Intrinsically Motivated Self-Play. Frontiers in Neurorobotics, 2018, 12, 65.	2.8	3
260	Semantic Interoperability in Industry 4.0: Survey of Recent Developments and Outlook. , 2018, , .		37
261	Deep learning in biomedicine. Nature Biotechnology, 2018, 36, 829-838.	17.5	409
262	Glider soaring via reinforcement learning in the field. Nature, 2018, 562, 236-239.	27.8	104
263	Peeking Inside the Black-Box: A Survey on Explainable Artificial Intelligence (XAI). IEEE Access, 2018, 6, 52138-52160.	4.2	2,529
264	Deep learning based fault diagnosis using computer-visualised power flow. IET Generation, Transmission and Distribution, 2018, 12, 3985-3992.	2.5	15
265	Predicting Thermodynamic Properties of Alkanes by High-Throughput Force Field Simulation and Machine Learning. Journal of Chemical Information and Modeling, 2018, 58, 2502-2516.	5.4	23
266	Machine learning material properties from the periodic table using convolutional neural networks. Chemical Science, 2018, 9, 8426-8432.	7.4	75
267	Sparsity-Based Denoising of Photographic Images: From Model-Based to Data-Driven. Advances in Computer Vision and Pattern Recognition, 2018, , 37-62.	1.3	1
268	Machine learning in human movement biomechanics: Best practices, common pitfalls, and new opportunities. Journal of Biomechanics, 2018, 81, 1-11.	2.1	266
269	A Novel Non-Supervised Deep-Learning-Based Network Traffic Control Method for Software Defined Wireless Networks. IEEE Wireless Communications, 2018, 25, 74-81.	9.0	96
270	Robots for the people, by the people: Personalizing human-machine interaction. Science Robotics, 2018, 3, .	17.6	39
272	An Object-Based Image Analysis Method for Enhancing Classification of Land Covers Using Fully Convolutional Networks and Multi-View Images of Small Unmanned Aerial System. Remote Sensing, 2018, 10, 457.	4.0	30
273	Deep learning aided decision support for pulmonary nodules diagnosing: a review. Journal of Thoracic Disease, 2018, 10, S867-S875.	1.4	40
275	From Reinforcement Learning to Deep Reinforcement Learning: An Overview. Lecture Notes in Computer Science, 2018, , 298-328.	1.3	21
276	Genetics and biology of prostate cancer. Genes and Development, 2018, 32, 1105-1140.	5.9	434

#	ARTICLE	IF	CITATIONS
277	Automated retinopathy of prematurity screening using deep neural networks. EBioMedicine, 2018, 35, 361-368.	6.1	104
278	Deep Reinforcement Learning. , 2018, , 373-417.		3
279	Perspectives on the Impact of Machine Learning, Deep Learning, and Artificial Intelligence on Materials, Processes, and Structures Engineering. Integrating Materials and Manufacturing Innovation, 2018, 7, 157-172.	2.6	205
280	Machine-aided turbulence theory. Journal of Fluid Mechanics, 2018, 854, .	3.4	34
281	Medicine and the rise of the robots: a qualitative review of recent advances of artificial intelligence in health. BMJ Leader, 2018, 2, 59-63.	1.5	93
282	Learning and Reasoning in Complex Coalition Information Environments: A Critical Analysis. , 2018, , .		3
283	Research on Online Reinforcement Learning Method Based on Experience-Replay. , 2018, , .		0
284	Double Qâ€“learning Agent for Othello Board Game. , 2018, , .		2
285	Future Work and Enterprise Systems. Business and Information Systems Engineering, 2018, 60, 357-366.	6.1	60
286	Self-learning to detect and segment cysts in lung CT images without manual annotation. , 2018, , .		20
287	Combining MCTS and A3C for Prediction of Spatially Spreading Processes in Forest Wildfire Settings. Lecture Notes in Computer Science, 2018, , 285-291.	1.3	4
288	Epilogue: Frontiers of NLP in the Deep Learning Era. , 2018, , 309-326.		5
289	RRAM fabric for neuromorphic and reconfigurable compute-in-memory systems. , 2018, , .		3
290	Automatic spin-chain learning to explore the quantum speed limit. Physical Review A, 2018, 97, .	2.5	47
292	Neural Polarimeter and Wavemeter. ACS Photonics, 2018, 5, 2682-2687.	6.6	5
293	Community detection in complex networks using deep auto-encoded extreme learning machine. Modern Physics Letters B, 2018, 32, 1850180.	1.9	7
295	Learning atoms for materials discovery. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E6411-E6417.	7.1	138
296	Solving the RNA design problem with reinforcement learning. PLoS Computational Biology, 2018, 14, e1006176.	3.2	23

#	ARTICLE	IF	CITATIONS
297	High Performance Computing. Lecture Notes in Computer Science, 2018, , .	1.3	0
298	Rechtliche Herausforderungen der Digitalisierung. , 2018, , 313-330.		3
299	Machine learning for predicting product distributions in catalytic regioselective reactions. Physical Chemistry Chemical Physics, 2018, 20, 18311-18318.	2.8	28
300	Reinforcement Learning with Monte Carlo Sampling in Imperfect Information Problems. Lecture Notes in Computer Science, 2018, , 55-67.	1.3	4
301	A guideline to determine the training sample size when applying big data mining methods in clinical decision making. , 2018, , .		0
302	<i>The Advancement of Nature-Inspired Algorithms for Agriculture</i>. , 2018, , .		3
304	The robot nurses are coming to a workplace near you. British Journal of Nursing, 2018, 27, 765-767.	0.7	2
305	Using Machine Learning in Communication Networks [Invited]. Journal of Optical Communications and Networking, 2018, 10, D100.	4.8	62
306	Illusory Motion Reproduced by Deep Neural Networks Trained for Prediction. Frontiers in Psychology, 2018, 9, 345.	2.1	46
307	LCP. , 2018, , .		9
308	Agent Cognition Through Micro-simulations: Adaptive and Tunable Intelligence with NetLogo LevelSpace. Springer Proceedings in Complexity, 2018, , 71-81.	0.3	1
309	Software-Defined Software: A Perspective of Machine Learning-Based Software Production. , 2018, , .		1
310	A New Anchor-Labeling Method For Oriented Text Detection Using Dense Detection Framework. IEEE Signal Processing Letters, 2018, 25, 1295-1299.	3.6	4
311	Artificial intelligence, physiological genomics, and precision medicine. Physiological Genomics, 2018, 50, 237-243.	2.3	86
312	AI designs organic syntheses. Nature, 2018, 555, 592-593.	27.8	17
313	Stabilizing Reinforcement Learning in Dynamic Environment with Application to Online Recommendation. , 2018, , .		78
315	Deep reinforcement learning policy in Hex game system. , 2018, , .		4
316	Learning Without External Reward [Research Frontier]. IEEE Computational Intelligence Magazine, 2018, 13, 48-54.	3.2	21

#	ARTICLE	IF	CITATIONS
317	Efficient Large-Scale Fleet Management via Multi-Agent Deep Reinforcement Learning. , 2018, , .		204
318	Asynchronous reinforcement learning algorithms for solving discrete space path planning problems. Applied Intelligence, 2018, 48, 4889-4904.	5.3	26
319	Introduction to the special issue on deep reinforcement learning:An editorial. Neural Networks, 2018, 107, 1-2.	5.9	4
320	Conversational Recommender System. , 2018, , .		165
321	Reinforcement Learning “ Overview of Recent Progress and Implications for Process Control. Computer Aided Chemical Engineering, 2018, , 71-85.	0.5	17
322	SERKET: An Architecture for Connecting Stochastic Models to Realize a Large-Scale Cognitive Model. Frontiers in Neurorobotics, 2018, 12, 25.	2.8	34
323	Efficient reinforcement learning for automating human decision-making in SoC design. , 2018, , .		0
324	State-of-the-Art Mobile Intelligence: Enabling Robots to Move Like Humans by Estimating Mobility with Artificial Intelligence. Applied Sciences (Switzerland), 2018, 8, 379.	2.5	35
325	Innovation Potentials and Pathways Merging AI, CPS, and IoT. Applied System Innovation, 2018, 1, 5.	4.6	10
326	Dissolved Gas Analysis Principle-Based Intelligent Approaches to Fault Diagnosis and Decision Making for Large Oil-Immersed Power Transformers: A Survey. Energies, 2018, 11, 913.	3.1	52
327	The cyber decade: Cyber defence at a X-ing point. , 2018, , .		4
328	The Level of Automation in Emergency Quick Disconnect Decision Making. Journal of Marine Science and Engineering, 2018, 6, 17.	2.6	3
329	Pavlov principle and brain reverse engineering. , 2018, , .		7
330	Neuromorphic Computing Using Memristor Crossbar Networks: A Focus on Bio-Inspired Approaches. IEEE Nanotechnology Magazine, 2018, 12, 6-18.	1.3	42
331	Beyond playing games: nephrologist vs machine in pediatric dialysis prescribing. Pediatric Nephrology, 2018, 33, 1625-1627.	1.7	5
332	Review of State-of-the-Art in Deep Learning Artificial Intelligence. Optical Memory and Neural Networks (Information Optics), 2018, 27, 65-80.	1.0	15
333	A fully learnable context-driven object-based model for mapping land cover using multi-view data from unmanned aircraft systems. Remote Sensing of Environment, 2018, 216, 328-344.	11.0	20
334	De novo profile generation based on sequence context specificity with the long short-term memory network. BMC Bioinformatics, 2018, 19, 272.	2.6	9

#	ARTICLE	IF	CITATIONS
335	Deep learning-based human motion recognition for predictive context-aware human-robot collaboration. CIRP Annals - Manufacturing Technology, 2018, 67, 17-20.	3.6	160
336	Many-Body Descriptors for Predicting Molecular Properties with Machine Learning: Analysis of Pairwise and Three-Body Interactions in Molecules. Journal of Chemical Theory and Computation, 2018, 14, 2991-3003.	5.3	59
337	Machine learning for heterogeneous catalyst design and discovery. AIChE Journal, 2018, 64, 2311-2323.	3.6	258
339	Deep learning to predict the lab-of-origin of engineered DNA. Nature Communications, 2018, 9, 3135.	12.8	55
340	Perspectives and applications of machine learning for evolutionary developmental biology. Molecular Omics, 2018, 14, 289-306.	2.8	7
341	Accelerating Drugs Discovery with Deep Reinforcement Learning. , 2018, , .		4
342	Integrating anticipatory classifier systems with OpenAI gym. , 2018, , .		9
343	Computer-aided detection in chest radiography based on artificial intelligence: a survey. BioMedical Engineering OnLine, 2018, 17, 113.	2.7	234
344	Inflammation and disease: Modelling and modulation of the inflammatory response to alleviate critical illness. Current Opinion in Systems Biology, 2018, 12, 22-29.	2.6	18
345	Reinforcement Learning for Build-Order Production in StarCraft II. , 2018, , .		12
346	Lifelong Machine Learning, Second Edition. Synthesis Lectures on Artificial Intelligence and Machine Learning, 2018, 12, 1-207.	0.8	129
347	Data-driven modeling for boiling heat transfer: Using deep neural networks and high-fidelity simulation results. Applied Thermal Engineering, 2018, 144, 305-320.	6.0	79
348	Adjusting the evaluation function for weakening the competency level of a computer shogi program. ICGA Journal, 2018, 40, 15-31.	0.3	3
349	ACS Central Science Virtual Issue on Machine Learning. ACS Central Science, 2018, 4, 938-941.	11.3	15
350	A visual attention operator for playing Pac-Man. , 2018, , .		5
351	Hunting for Organic Molecules with Artificial Intelligence: Molecules Optimized for Desired Excitation Energies. ACS Central Science, 2018, 4, 1126-1133.	11.3	91
352	Optimal routing control of a construction machine by deep reinforcement learning. , 2018, , .		1
353	Artificial Intelligence in Cardiology. Journal of the American College of Cardiology, 2018, 71, 2668-2679.	2.8	690

#	ARTICLE	IF	CITATIONS
354	Bibliometric Analysis of the Deep Learning Research Status with the Data from Web of Science. Lecture Notes in Computer Science, 2018, , 585-595.	1.3	2
355	Predicting Amazon Spot Prices with LSTM Networks. , 2018, , .		21
356	Learning from outside the viability kernel: Why we should build robots that can fall with grace. , 2018, , .		1
357	Distributed Deep Reinforcement Learning: Learn How to Play Atari Games in 21Âminutes. Lecture Notes in Computer Science, 2018, , 370-388.	1.3	15
358	Deep reinforcement learning for semiconductor production scheduling. , 2018, , .		66
359	Experimental Machine Learning of Quantum States. Physical Review Letters, 2018, 120, 240501.	7.8	101
360	Learning Heuristics for the TSP by Policy Gradient. Lecture Notes in Computer Science, 2018, , 170-181.	1.3	133
361	IoT-Enabled Adaptive Context-Aware and Playful Cyber-Physical System for Everyday Energy Savings. IEEE Transactions on Human-Machine Systems, 2018, 48, 380-391.	3.5	35
363	StarCraft Micromanagement With Reinforcement Learning and Curriculum Transfer Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 73-84.	4.9	101
364	Artificial intelligence-assisted interpretation of bone age radiographs improves accuracy and decreases variability. Skeletal Radiology, 2019, 48, 275-283.	2.0	79
365	Artificial Intelligence and the Public Sectorâ€”Applications and Challenges. International Journal of Public Administration, 2019, 42, 596-615.	2.3	335
366	Hierarchical Decision and Control for Continuous Multitarget Problem: Policy Evaluation With Action Delay. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 464-473.	11.3	6
367	Visual Dialog. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1242-1256.	13.9	23
368	Current Research Trends in Robot Grasping and Bin Picking. Advances in Intelligent Systems and Computing, 2019, , 367-376.	0.6	13
369	Optimizing stimulus waveforms for electroceuticals. Biological Cybernetics, 2019, 113, 191-199.	1.3	9
370	Abdominal-Waving Control of Tethered Bumblebees Based on Sarsa With Transformed Reward. IEEE Transactions on Cybernetics, 2019, 49, 3064-3073.	9.5	10
371	Emulating Human Play in a Leading Mobile Card Game. IEEE Transactions on Games, 2019, 11, 386-395.	1.4	12
372	Adaptive load forecasting using reinforcement learning with database technology. Journal of Information and Telecommunication, 2019, 3, 381-399.	2.8	8

#	ARTICLE	IF	CITATIONS
373	Using a Multidimensional Input/Output Neural Network-Regression for Experienced Replay Suitability on Real World Test Bench Data. , 2019, , .		0
374	Deep learning: A philosophical introduction. Philosophy Compass, 2019, 14, e12625.	1.3	52
375	Improving Attacks on Round-Reduced Speck32/64 Using Deep Learning. Lecture Notes in Computer Science, 2019, , 150-179.	1.3	79
376	Nuclear safety in the unexpected second nuclear era. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17673-17682.	7.1	20
377	Atomistic structure learning. Journal of Chemical Physics, 2019, 151, .	3.0	26
378	Computational phase-change memory: beyond von Neumann computing. Journal Physics D: Applied Physics, 2019, 52, 443002.	2.8	78
379	Artificial Intelligence Approach in Melanoma. , 2019, , 599-628.		5
380	Performance optimization of criminal network hidden link prediction model with deep reinforcement learning. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 1202-1210.	3.9	33
381	Deep Learning: The Good, the Bad, and the Ugly. Annual Review of Vision Science, 2019, 5, 399-426.	4.4	142
382	Indicators and Criteria of Consciousness in Animals and Intelligent Machines: An Inside-Out Approach. Frontiers in Systems Neuroscience, 2019, 13, 25.	2.5	34
384	A review of reinforcement learning methodologies for controlling occupant comfort in buildings. Sustainable Cities and Society, 2019, 51, 101748.	10.4	96
385	Using Artificial Intelligence To Forecast Water Oxidation Catalysts. ACS Catalysis, 2019, 9, 8383-8387.	11.2	74
386	Hierarchical Intermittent Motor Control With Deterministic Policy Gradient. IEEE Access, 2019, 7, 41799-41810.	4.2	12
387	Efficient Training Techniques for Multi-Agent Reinforcement Learning in Combat Tasks. IEEE Access, 2019, 7, 109301-109310.	4.2	20
388	Preliminary Results Towards Reinforcement Learning with Mixed-Signal Memristive Neuromorphic Circuits. , 2019, , .		1
389	Scaling Geo-Distributed Network Function Chains: A Prediction and Learning Framework. IEEE Journal on Selected Areas in Communications, 2019, 37, 1838-1850.	14.0	35
390	Smart DAG Tasks Scheduling between Trusted and Untrusted Entities Using the MCTS Method. Sustainability, 2019, 11, 1826.	3.2	8
391	Jet grooming through reinforcement learning. Physical Review D, 2019, 100, .	4.7	11

#	ARTICLE	IF	CITATIONS
392	Jamming transition as a paradigm to understand the loss landscape of deep neural networks. Physical Review E, 2019, 100, 012115.	2.1	44
393	The Roadmap to 6G: AI Empowered Wireless Networks. IEEE Communications Magazine, 2019, 57, 84-90.	6.1	1,139
394	A GFML-based Robot Agent for Human and Machine Cooperative Learning on Game of Go. , 2019, , .		3
395	Increasing Self-Adaptation in a Hybrid Decision-Making and Planning System with Reinforcement Learning. , 2019, , .		5
396	Active Perception in Adversarial Scenarios using Maximum Entropy Deep Reinforcement Learning. , 2019, , .		7
397	On the Application of Reinforcement Learning in Multi-debris Active Removal Mission Planning. , 2019, , .		3
398	What does AI's success playing complex board games tell brain scientists?. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14785-14787.	7.1	4
399	SeSe-Net: Self-Supervised deep learning for segmentation. Pattern Recognition Letters, 2019, 128, 23-29.	4.2	18
400	A survey on artificial intelligence trends in spacecraft guidance dynamics and control. Astrodynamics, 2019, 3, 287-299.	2.4	150
401	Modeling, ontology and wild thought: Toward an anthropology of the artificially intelligent. HAU: Journal of Ethnographic Theory, 2019, 9, 147-161.	0.2	1
402	RRAM fabric for neuromorphic and reconfigurable compute-in-memory systems. , 2019, , .		1
403	Brain AI: Deep Learning for Brain Stimulation. IEEE Pulse, 2019, 10, 3-5.	0.3	6
404	From privacy to anti-discrimination in times of machine learning. Ethics and Information Technology, 2019, 21, 331-343.	3.8	12
405	Spatial Grammar-Based Recurrent Neural Network for Design Form and Behavior Optimization. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	16
406	Multiagent Reinforcement Learning for Swarm Confrontation Environments. Lecture Notes in Computer Science, 2019, , 533-543.	1.3	6
407	Adaptive learning and evolution framework of intelligent combat behavior modeling based on EXIT framework reasoning. Journal of Physics: Conference Series, 2019, 1176, 032004.	0.4	0
408	Noise Convolutional Neural Networks and FPGA Implementation. , 2019, , .		0
409	Using Deep Reinforcement Learning to Learn High-Level Policies on the ATRIAS Biped. , 2019, , .		33

#	ARTICLE	IF	CITATIONS
410	Clinically Applicable Deep Learning Algorithm Using Quantitative Proteomic Data. Journal of Proteome Research, 2019, 18, 3195-3202.	3.7	16
411	Six Challenges for Human-AI Co-learning. Lecture Notes in Computer Science, 2019, , 572-589.	1.3	12
412	Out-of-store Object Detection Based on Deep Learning. , 2019, , .		1
413	A Novel on Transmission Line Tower Big Data Analysis Model Using Altered K-means and ADQL. Sustainability, 2019, 11, 3499.	3.2	13
414	Spatial Average Pooling for Computer Go. Communications in Computer and Information Science, 2019, , 119-126.	0.5	2
415	Improving RTS Game AI by Supervised Policy Learning, Tactical Search, and Deep Reinforcement Learning. IEEE Computational Intelligence Magazine, 2019, 14, 8-18.	3.2	14
416	Impacts of Artificial Intelligence on Public Administration: A Systematic Literature Review. , 2019, , .		25
417	Superhuman AI for multiplayer poker. Science, 2019, 365, 885-890.	12.6	267
418	Vision-Based Deep Q-Learning Network Models to Predict Particulate Matter Concentration Levels Using Temporal Digital Image Data. Journal of Sensors, 2019, 2019, 1-10.	1.1	4
419	The application of convolutional neural network to stem cell biology. Inflammation and Regeneration, 2019, 39, 14.	3.7	69
420	Has Dynamic Programming Improved Decision Making?. Annual Review of Economics, 2019, 11, 833-858.	5.5	15
421	Artificial intelligence for materials discovery. MRS Bulletin, 2019, 44, 538-544.	3.5	60
422	Chemi-Net: A Molecular Graph Convolutional Network for Accurate Drug Property Prediction. International Journal of Molecular Sciences, 2019, 20, 3389.	4.1	140
423	“Naughty AlphaGo” Transforming the Game of Computer Go into an Emotional Tangible Playground. Lecture Notes in Computer Science, 2019, , 67-82.	1.3	0
424	Deep-learning-powered photonic analog-to-digital conversion. Light: Science and Applications, 2019, 8, 66.	16.6	46
425	Going Deep in Medical Image Analysis: Concepts, Methods, Challenges, and Future Directions. IEEE Access, 2019, 7, 99540-99572.	4.2	167
426	How Artificial Intelligence Can Help Us Understand Human Creativity. Frontiers in Psychology, 2019, 10, 1401.	2.1	21
428	An Application of Continuous Deep Reinforcement Learning Approach to Pursuit-Evasion Differential Game. , 2019, , .		14

#	ARTICLE	IF	CITATIONS
429	Deep Distributional Reinforcement Learning Based High-Level Driving Policy Determination. IEEE Transactions on Intelligent Vehicles, 2019, 4, 416-424.	12.7	49
430	On the Potential for Open-Endedness in Neural Networks. Artificial Life, 2019, 25, 145-167.	1.3	6
431	How to Make Swarms Open-Ended? Evolving Collective Intelligence Through a Constricted Exploration of Adjacent Possibles. Artificial Life, 2019, 25, 178-197.	1.3	7
432	Î±-Rank: Multi-Agent Evaluation by Evolution. Scientific Reports, 2019, 9, 9937.	3.3	28
433	Functional Oxides for Photoneuromorphic Engineering: Toward a Solar Brain. Advanced Materials Interfaces, 2019, 6, 1900471.	3.7	31
434	Distributed Fusion-Based Policy Search for Fast Robot Locomotion Learning. IEEE Computational Intelligence Magazine, 2019, 14, 19-28.	3.2	19
435	Commentary: Predicting Inpatient Length of Stay After Brain Tumor Surgery: Developing Machine Learning Ensembles to Improve Predictive Performance. Neurosurgery, 2019, 85, E444-E445.	1.1	1
436	Deep reinforcement learning for quantum gate control. Europhysics Letters, 2019, 126, 60002.	2.0	73
437	Augmenting Learning Components for Safety in Resource Constrained Autonomous Robots. , 2019, , .		4
438	A trust-aware task allocation method using deep q-learning for uncertain mobile crowdsourcing. Human-centric Computing and Information Sciences, 2019, 9, .	6.1	12
439	From Intelligence Science to Intelligent Manufacturing. Engineering, 2019, 5, 615-618.	6.7	81
440	Scientific Discovery Games for Biomedical Research. Annual Review of Biomedical Data Science, 2019, 2, 253-279.	6.5	13
441	Gamut. , 2019, , .		108
442	An Imbalance Fault Detection Algorithm for Variable-Speed Wind Turbines: A Deep Learning Approach. Energies, 2019, 12, 2764.	3.1	37
443	Cooperative traffic signal control using Multi-step return and Off-policy Asynchronous Advantage Actor-Critic Graph algorithm. Knowledge-Based Systems, 2019, 183, 104855.	7.1	47
444	Artificial Intelligence in Resource-Constrained and Shared Environments. Operating Systems Review (ACM), 2019, 53, 1-6.	1.9	7
445	Bringing Engineering Rigor to Deep Learning. Operating Systems Review (ACM), 2019, 53, 59-67.	1.9	2
446	EternaBrain: Automated RNA design through move sets and strategies from an Internet-scale RNA videogame. PLoS Computational Biology, 2019, 15, e1007059.	3.2	16

#	ARTICLE	IF	CITATIONS
447	Computer Games. Communications in Computer and Information Science, 2019, , .	0.5	1
448	Machine-learning-assisted discovery of polymers with high thermal conductivity using a molecular design algorithm. Npj Computational Materials, 2019, 5, .	8.7	234
449	Cambricon-F. , 2019, , .		13
450	Guiding High-Performance SAT Solvers with Unsat-Core Predictions. Lecture Notes in Computer Science, 2019, , 336-353.	1.3	24
451	Using a machine learning approach to determine the space group of a structure from the atomic pair distribution function. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 633-643.	0.1	47
452	An overview and perspectives on bidirectional intelligence: Lmsr duality, double IA harmony, and causal computation. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 865-893.	13.1	26
453	Machine learning-based coronary artery disease diagnosis: A comprehensive review. Computers in Biology and Medicine, 2019, 111, 103346.	7.0	131
454	Incentive Facilitation for Peer Data Exchange in Crowdsensing. IEEE Transactions on Cloud Computing, 2021, 9, 1493-1506.	4.4	1
455	Iterated Deep Reinforcement Learning in Games. , 2019, , .		7
456	Quantum machine learning with Dâ€wave quantum computer. Quantum Engineering, 2019, 1, e12.	2.5	31
457	Blackbox Algorithmus â€“ Grundfragen einer Regulierung KÃ¼nstlicher Intelligenz. , 2019, , .		31
458	Accelerating deep reinforcement learning strategies of flow control through a multi-environment approach. Physics of Fluids, 2019, 31, .	4.0	105
459	Data-Driven Digital Direct Position Servo Control by Neural Network With Implicit Optimal Control Law Learned From Discrete Optimal Position Tracking Data. IEEE Access, 2019, 7, 126962-126972.	4.2	9
460	Multi-layered Spiking Neural Network with Target Timestamp Threshold Adaptation and STDP. , 2019, , .		20
461	Interpolation of greenhouse environment data using multilayer perceptron. Computers and Electronics in Agriculture, 2019, 166, 105023.	7.7	42
462	Protein structure prediction using multiple deep neural networks in the 13th Critical Assessment of Protein Structure Prediction (CASP13). Proteins: Structure, Function and Bioinformatics, 2019, 87, 1141-1148.	2.6	242
464	A survey and critique of multiagent deep reinforcement learning. Autonomous Agents and Multi-Agent Systems, 2019, 33, 750-797.	2.1	277
465	Deep learning for presumed probability density function models. Combustion and Flame, 2019, 208, 436-450.	5.2	45

#	ARTICLE	IF	CITATIONS
466	Study on estimating quantum discord by neural network with prior knowledge. Quantum Information Processing, 2019, 18, 1.	2.2	1
467	Deep-Reinforcement Learning-Based Co-Evolution in a Predator–Prey System. Entropy, 2019, 21, 773.	2.2	5
468	Visual novelty, curiosity, and intrinsic reward in machine learning and the brain. Current Opinion in Neurobiology, 2019, 58, 167-174.	4.2	44
470	Identification of Surrounding Rock in TBM Excavation with Deep Neural Network. , 2019, , .		1
471	When does reinforcement learning stand out in quantum control? A comparative study on state preparation. Npj Quantum Information, 2019, 5, .	6.7	77
472	A Reinforcement Learning Approach To Synthesizing Climbing Movements. , 2019, , .		3
473	Multi-step reinforcement learning for model-free predictive energy management of an electrified off-highway vehicle. Applied Energy, 2019, 255, 113755.	10.1	93
474	General Board Game Playing for Education and Research in Generic AI Game Learning. , 2019, , .		14
475	On the Effects of Simulating Human Decisions in Game Analysis. , 2019, , .		1
476	A Generalized Framework for Self-Play Training. , 2019, , .		9
477	Scenario co-evolution for reinforcement learning on a grid world smart factory domain. , 2019, , .		2
478	Template Synthesis of Ternary Hybrid Nanocrystals of CoS/Ag ₂ S-Fe ₂ O ₃ with Near-infrared Photoluminescence. Microscopy and Microanalysis, 2019, 25, 2358-2359.	0.4	0
479	Investigation on Current Status of Rice Fertilization in the Plain Area of Hanzhong Basin. IOP Conference Series: Earth and Environmental Science, 2019, 310, 052054.	0.3	0
480	Artificial intelligence design algorithm for nanocomposites optimized for shear crack resistance. Nano Futures, 2019, 3, 035001.	2.2	57
481	Research on the characteristics of bitcoin price fluctuations based on ARCH effect. Journal of Physics: Conference Series, 2019, 1187, 052059.	0.4	1
482	Application on Computer Software Technology under the Background of Big Data. Journal of Physics: Conference Series, 2019, 1237, 022053.	0.4	0
483	Nonlinear characteristics of rubbing rotor–bearing system of locomotive excited by rotating speed of the traction motor. IOP Conference Series: Earth and Environmental Science, 2019, 242, 032054.	0.3	2
484	A Hybrid End-to-End Control Strategy Combining Dueling Deep Q-network and PID for Transient Boost Control of a Diesel Engine with Variable Geometry Turbocharger and Cooled EGR. Energies, 2019, 12, 3739.	3.1	10

#	ARTICLE	IF	CITATIONS
485	Machine learning in materials science. Informa ^Å n ^Å -Materi ^Å ly, 2019, 1, 338-358.	17.3	427
486	Fluids discrimination by ray-path elastic impedance inversion: A successful case from Sulige tight gas field. Applied Geophysics, 2019, 16, 218-232.	0.6	1
487	Deep Neural Network and Monte Carlo Tree Search applied to Fluid-Structure Topology Optimization. Scientific Reports, 2019, 9, 15916.	3.3	14
488	Elements of qualitative cognition: An information topology perspective. Physics of Life Reviews, 2019, 31, 263-275.	2.8	5
489	The case for emulating insect brains using anatomical "wiring diagrams" equipped with biophysical models of neuronal activity. Biological Cybernetics, 2019, 113, 465-474.	1.3	5
490	Control of chaotic systems by deep reinforcement learning. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190351.	2.1	44
491	Agent-Based Simulations of Blockchain protocols illustrated via Kadena ^Å ™s Chainweb. , 2019, , .		11
492	Lane Change Decision-making through Deep Reinforcement Learning with Rule-based Constraints. , 2019, , .		90
493	How We Know What Not To Think. Trends in Cognitive Sciences, 2019, 23, 1026-1040.	7.8	56
494	Scaling up CCG-Based Plan Recognition via Monte-Carlo Tree Search. , 2019, , .		4
495	Estimating Betti Numbers Using Deep Learning. , 2019, , .		2
496	MAPEL: Multi-Agent Pursuer-Evader Learning using Situation Report. , 2019, , .		1
497	Deep reinforcement learning for power system: An overview. CSEE Journal of Power and Energy Systems, 0, , .	1.1	94
498	Training Deep Neural Networks with Reinforcement Learning for Time Series Forecasting. , 2019, , .		4
499	Where ^Å ™s the Reward?. International Journal of Artificial Intelligence in Education, 2019, 29, 568-620.	5.5	34
500	Mapless Collaborative Navigation for a Multi-Robot System Based on the Deep Reinforcement Learning. Applied Sciences (Switzerland), 2019, 9, 4198.	2.5	19
501	Reinforcement Learning Based Stochastic Shortest Path Finding in Wireless Sensor Networks. IEEE Access, 2019, 7, 157807-157817.	4.2	25
502	Accelerating the Deep Reinforcement Learning with Neural Network Compression. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
503	Waterflooding Optimization under Geological Uncertainties by Using Deep Reinforcement Learning Algorithms. , 2019, , .		20
504	Learning Workflow Scheduling on Multi-Resource Clusters. , 2019, , .		7
505	A deep learning framework for neuroscience. Nature Neuroscience, 2019, 22, 1761-1770.	14.8	563
506	Experimental Research on Deep Reinforcement Learning in Autonomous navigation of Mobile Robot. , 2019, , .		14
507	A Pedestrian Detection Method Based on Genetic Algorithm for Optimize XGBoost Training Parameters. IEEE Access, 2019, 7, 118310-118321.	4.2	112
508	Improved Online Sequential Extreme Learning Machine: A New Intelligent Evaluation Method for AZ-Style Algorithms. IEEE Access, 2019, 7, 124891-124901.	4.2	4
509	Accurate Underwater ATR in Forward-Looking Sonar Imagery Using Deep Convolutional Neural Networks. IEEE Access, 2019, 7, 125522-125531.	4.2	33
510	Bridging Biological and Artificial Neural Networks with Emerging Neuromorphic Devices: Fundamentals, Progress, and Challenges. Advanced Materials, 2019, 31, e1902761.	21.0	418
511	Beyond Expertâ€Level Performance Prediction for Rechargeable Batteries by Unsupervised Machine Learning. Advanced Intelligent Systems, 2019, 1, 1900102.	6.1	9
512	A framework for brain learning-based control of smart structures. Advanced Engineering Informatics, 2019, 42, 100986.	8.0	5
513	Improved Action-Decision Network for Visual Tracking With Meta-Learning. IEEE Access, 2019, 7, 117206-117218.	4.2	6
514	Project Thya: A Forever Gameplayer. , 2019, , .		3
515	A Middle Game Search Algorithm Applicable to Low-Cost Personal Computer for Go. IEEE Access, 2019, 7, 121719-121727.	4.2	3
516	Multiple Impossible Differentials Attack on AES-192. IEEE Access, 2019, 7, 138011-138017.	4.2	4
517	Predicting EGFR mutation status in lung adenocarcinoma on computed tomography image using deep learning. European Respiratory Journal, 2019, 53, 1800986.	6.7	298
518	Application of a Deep Deterministic Policy Gradient Algorithm for Energy-Aimed Timetable Rescheduling Problem. Energies, 2019, 12, 3461.	3.1	17
519	Fundamental aspects of noise in analog-hardware neural networks. Chaos, 2019, 29, 103128.	2.5	25
520	Supervised Deep Learning in High Energy Phenomenology: a Mini Review*. Communications in Theoretical Physics, 2019, 71, 955.	2.5	40

#	ARTICLE	IF	CITATIONS
521	Enhancing Biomolecular Sampling with Reinforcement Learning: A Tree Search Molecular Dynamics Simulation Method. ACS Omega, 2019, 4, 13853-13862.	3.5	25
522	Programming support for autonomizing software. , 2019, , .		0
523	AI surpasses humans at six-player poker. Science, 2019, 365, 864-865.	12.6	15
524	Toward self-learning model-based EAs. , 2019, , .		0
525	Entangled-photon decision maker. Scientific Reports, 2019, 9, 12229.	3.3	17
526	Green Mobility Management in UAV-Assisted IoT Based on Dueling DQN. , 2019, , .		14
527	Deep Learning Competition Framework on Othello for Education. IEEE Transactions on Games, 2019, 11, 300-304.	1.4	2
528	DeepCMB: Lensing reconstruction of the cosmic microwave background with deep neural networks. Astronomy and Computing, 2019, 28, 100307.	1.7	49
529	Artificial Intelligence in Nephrology: Core Concepts, Clinical Applications, and Perspectives. American Journal of Kidney Diseases, 2019, 74, 803-810.	1.9	90
530	Intelligent Control of a Wind Turbine based on Reinforcement Learning. , 2019, , .		10
531	Sim-to-Real Transfer Learning using Robustified Controllers in Robotic Tasks involving Complex Dynamics. , 2019, , .		12
532	Verifying Deep-RL-Driven Systems. , 2019, , .		38
533	Learning scheduling algorithms for data processing clusters. , 2019, , .		312
534	Neural packet classification. , 2019, , .		83
535	Long-term crash trends at single- and double-lane roundabouts in Washington State. Journal of Safety Research, 2019, 70, 207-212.	3.6	7
536	A self-learning dynamic path planning method for evacuation in large public buildings based on neural networks. Neurocomputing, 2019, 365, 71-85.	5.9	67
537	A Lightweight Residual-Inception Convolutional Neural Network. Journal of Physics: Conference Series, 2019, 1237, 032058.	0.4	3
538	Optimizing dynamics of integrated foodâ€“energyâ€“water systems under the risk of climate change. Environmental Research Letters, 2019, 14, 074010.	5.2	11

#	ARTICLE	IF	CITATIONS
539	A Low-Power Actor-Critic Framework Based on Memristive Spiking Neural Network. IOP Conference Series: Earth and Environmental Science, 2019, 252, 032157.	0.3	0
540	Memetic Evolution Strategy for Reinforcement Learning. , 2019, , .		4
541	Training Genetic Neural Networks Algorithms for Autonomous Cars with the LAOP Platform. , 2019, , .		2
542	Branes with brains: exploring string vacua with deep reinforcement learning. Journal of High Energy Physics, 2019, 2019, 1.	4.7	40
543	State-of-the-Art Review on the Applicability of AI Methods to Automated Construction Manufacturing. , 2019, , .		10
544	A Review of combinatorial optimization with graph neural networks. , 2019, , .		1
545	A Blockchain-Enabled Decentralized Time Banking for a New Social Value System. , 2019, , .		3
546	Biasing MCTS with Features for General Games. , 2019, , .		6
547	Learning Primitive Skills for Mobile Robots. , 2019, , .		4
548	Uncertainty-Aware Data Aggregation for Deep Imitation Learning. , 2019, , .		10
549	PokerBot: Hand Strength Reinforcement Learning. , 2019, , .		1
550	Green, Yellow, Yield: End-Host Traffic Scheduling for Distributed Deep Learning with TensorLights. , 2019, , .		1
551	Preliminary tests of a real-valued anticipatory classifier system. , 2019, , .		3
552	New Approach of Big Data and Education. , 2019, , .		4
553	Chic. , 2019, , .		2
554	Leveling the playing field. , 2019, , .		10
555	Towards a topological“geometrical theory of group equivariant non-expansive operators for data analysis and machine learning. Nature Machine Intelligence, 2019, 1, 423-433.	16.0	21
556	Load Balancing for Ultradense Networks: A Deep Reinforcement Learning-Based Approach. IEEE Internet of Things Journal, 2019, 6, 9399-9412.	8.7	63

#	ARTICLE	IF	CITATIONS
557	Where Does Value Come From?. Trends in Cognitive Sciences, 2019, 23, 836-850.	7.8	73
558	Deep Q-Network Based Decision Making for Autonomous Driving. , 2019, , .		17
559	Thalamocortical Circuit Motifs: A General Framework. Neuron, 2019, 103, 762-770.	8.1	171
560	Monetary-Incentive Competition Between Humans and Robots: Experimental Results. , 2019, , .		6
561	How learning can change the course of evolution. PLoS ONE, 2019, 14, e0219502.	2.5	2
562	Artificial Intelligence and Deep Learning in Video Games A Brief Review. , 2019, , .		21
563	On Theoretical Analysis of Single Hidden Layer Feedforward Neural Networks with Relu Activations. , 2019, , .		4
564	Demystifying Parallel and Distributed Deep Learning. ACM Computing Surveys, 2020, 52, 1-43.	23.0	292
565	Artificial Intelligence for Bioinformatics: Applications in Protein Folding Prediction. , 2019, , .		4
566	Towards a data-driven framework for realistic self-organized virtual humans. , 2019, , .		0
567	Automatic Detection of Circulating Tumor Cells with Very Deep Residual Networks. , 2019, , .		0
568	Reinforcement Learning in Topology-based Representation for Human Body Movement with Whole Arm Manipulation. , 2019, , .		14
569	Semiparametrical Gaussian Processes Learning of Forward Dynamical Models for Navigating in a Circular Maze. , 2019, , .		15
570	A Short Introduction to Procedural Content Generation Algorithms for Videogames. International Journal on Artificial Intelligence Tools, 2019, 28, 1930001.	1.0	15
571	Reinforcement Learning Approach to Design Practical Adaptive Control for a Small-Scale Intelligent Vehicle. Symmetry, 2019, 11, 1139.	2.2	21
572	General Multi-Fidelity Framework for Training Artificial Neural Networks With Computational Models. Frontiers in Materials, 2019, 6, .	2.4	23
573	Integrations between Autonomous Systems and Modern Computing Techniques: A Mini Review. Sensors, 2019, 19, 3897.	3.8	10
574	The calculation of meaning: on the misunderstanding of new artificial intelligence as culture. The Cultureory and Critique, 2019, 60, 264-278.	0.4	6

#	ARTICLE	IF	CITATIONS
575	Making the Black Box More Transparent: Understanding the Physical Implications of Machine Learning. Bulletin of the American Meteorological Society, 2019, 100, 2175-2199.	3.3	251
576	Design, Implementation and Evaluation of Reinforcement Learning for an Adaptive Order Dispatching in Job Shop Manufacturing Systems. Procedia CIRP, 2019, 81, 234-239.	1.9	51
577	Two-dimensional frustrated $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{J} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 13 \langle \text{mml:mn} \rangle 104 \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \text{model studied with neural network quantum states. Physical Review B, 2019, 100, .$	3.2	104
578	Prediction of amyloid aggregation rates by machine learning and feature selection. Journal of Chemical Physics, 2019, 151, 084106.	3.0	8
579	Machine Learning, Ethics and Law. Australasian Journal of Information Systems, 0, 23, .	0.3	4
580	Machine Learning in the Air. IEEE Journal on Selected Areas in Communications, 2019, 37, 2184-2199.	14.0	152
581	A Reinforcement Learning Model Based on Temporal Difference Algorithm. IEEE Access, 2019, 7, 121922-121930.	4.2	14
582	Multi-agent reinforcement learning with approximate model learning for competitive games. PLoS ONE, 2019, 14, e0222215.	2.5	9
583	Unsupervised Deep Learning for Instrumented Infrastructure: A Case Study. , 2019, , .		1
584	Some insights from high-dimensional spheres. Physics of Life Reviews, 2019, 29, 98-100.	2.8	5
585	Predicting Materials Properties with Little Data Using Shotgun Transfer Learning. ACS Central Science, 2019, 5, 1717-1730.	11.3	223
586	Linking synthesis and structure descriptors from a large collection of synthetic records of zeolite materials. Nature Communications, 2019, 10, 4459.	12.8	74
587	Intelligent Control Strategy for Transient Response of a Variable Geometry Turbocharger System Based on Deep Reinforcement Learning. Processes, 2019, 7, 601.	2.8	24
588	A deep reinforcement learning-based autonomous ventilation control system for smart indoor air quality management in a subway station. Energy and Buildings, 2019, 202, 109440.	6.7	45
589	Development and Arealization of the Cerebral Cortex. Neuron, 2019, 103, 980-1004.	8.1	241
590	Deep-space applications for point-of-care technologies. Current Opinion in Biomedical Engineering, 2019, 11, 45-50.	3.4	6
591	A Novel Method for Improving the Training Efficiency of Deep Multi-Agent Reinforcement Learning. IEEE Access, 2019, 7, 137992-137999.	4.2	6
592	Intelligent Massive MIMO Antenna Selection Using Monte Carlo Tree Search. IEEE Transactions on Signal Processing, 2019, 67, 5380-5390.	5.3	46

#	ARTICLE	IF	CITATIONS
593	Mixing Loop Control using Reinforcement Learning. E3S Web of Conferences, 2019, 111, 05013.	0.5	3
594	Decoupling Capacitor Selection Algorithm for PDN Based on Deep Reinforcement Learning. , 2019, , .		20
595	Incorporated Artificial Intelligence and Digital Imaging System for Unconventional Reservoirs Characterization. , 2019, , .		1
596	Optimal Data-driven Control of Embedded Micro-grids in Developing Countries. , 2019, , .		0
597	The Matthew Effect in Computation Contests: High Difficulty May Lead to 51% Dominance?. , 2019, , .		2
599	Learning task-state representations. Nature Neuroscience, 2019, 22, 1544-1553.	14.8	200
600	Novel frontier of photonics for data processingâ€”Photonic accelerator. APL Photonics, 2019, 4, 090901.	5.7	127
601	Continuous control of a polymerization system with deep reinforcement learning. Journal of Process Control, 2019, 75, 40-47.	3.3	100
602	Robot-Assisted Training in Laparoscopy Using Deep Reinforcement Learning. IEEE Robotics and Automation Letters, 2019, 4, 485-492.	5.1	35
603	Ignorance is strength: May human mindâ€™s unique capabilities stem from its limitations?. Consciousness and Cognition, 2019, 69, 1-13.	1.5	2
604	Deep Learning for Daily Peak Load Forecastingâ€”A Novel Gated Recurrent Neural Network Combining Dynamic Time Warping. IEEE Access, 2019, 7, 17184-17194.	4.2	92
605	Subclinical Interstitial Lung Abnormalities: Lumping and Splitting Revisited. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 121-123.	5.6	13
606	A Survey on Bayesian Nonparametric Learning. ACM Computing Surveys, 2020, 52, 1-36.	23.0	16
607	Data Science for Child Health. Journal of Pediatrics, 2019, 208, 12-22.	1.8	22
608	Intelligent nanophotonics: merging photonics and artificial intelligence at the nanoscale. Nanophotonics, 2019, 8, 339-366.	6.0	226
609	The Text-Based Adventure AI Competition. IEEE Transactions on Games, 2019, 11, 260-266.	1.4	11
610	Robot skill acquisition in assembly process using deep reinforcement learning. Neurocomputing, 2019, 345, 92-102.	5.9	69
611	Robust Single-Shot T₂ Mapping via Multiple Overlapping-Echo Acquisition and Deep Neural Network. IEEE Transactions on Medical Imaging, 2019, 38, 1801-1811.	8.9	23

#	ARTICLE	IF	CITATIONS
612	Clinical Personal Connectomics Using Hybrid PET/MRI. Nuclear Medicine and Molecular Imaging, 2019, 53, 153-163.	1.0	3
613	Enhancing cardiovascular artificial intelligence (AI) research in the Netherlands: CVON-AI consortium. Netherlands Heart Journal, 2019, 27, 414-425.	0.8	6
614	Bio-inspired digit recognition using reward-modulated spike-timing-dependent plasticity in deep convolutional networks. Pattern Recognition, 2019, 94, 87-95.	8.1	99
615	Simultaneous modeling of car-following and lane-changing behaviors using deep learning. Transportation Research Part C: Emerging Technologies, 2019, 104, 287-304.	7.6	111
616	A Comparative Study of Texture and Convolutional Neural Network Features for Detecting Collapsed Buildings After Earthquakes Using Pre- and Post-Event Satellite Imagery. Remote Sensing, 2019, 11, 1202.	4.0	63
617	A cooperative game for automated learning of elasto-plasticity knowledge graphs and models with AI-guided experimentation. Computational Mechanics, 2019, 64, 467-499.	4.0	42
618	Reinforcement learning-based cell selection in sparse mobile crowdsensing. Computer Networks, 2019, 161, 102-114.	5.1	41
619	Data-Driven Decision-Making (D^3M): Framework, Methodology, and Directions. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 286-296.	4.9	17
620	Precision Medicine in Cancer Therapy. Cancer Treatment and Research, 2019, , .	0.5	4
621	A Novel Deep Recurrent Belief Network Model for Trend Prediction of Transformer DGA Data. IEEE Access, 2019, 7, 80069-80078.	4.2	27
622	xSS: A Soccer Server extension for automated learning of high-level robotic soccer strategies. , 2019, , .		1
623	Artificial Intelligence and Personalized Medicine. Cancer Treatment and Research, 2019, 178, 265-283.	0.5	150
624	Critical Care, Critical Data. Biomedical Engineering and Computational Biology, 2019, 10, 117959721985656.	2.0	33
625	Exploiting the Vulnerability of Deep Learning-Based Artificial Intelligence Models in Medical Imaging: Adversarial Attacks. Journal of the Korean Society of Radiology, 2019, 80, 259.	0.2	23
626	Deep Learning-based Job Placement in Distributed Machine Learning Clusters. , 2019, , .		80
627	Machine Learning Tips and Tricks for Power Line Communications. IEEE Access, 2019, 7, 82434-82452.	4.2	24
628	Generation of ice states through deep reinforcement learning. Physical Review E, 2019, 99, 062106.	2.1	9
629	A Review and Proposed Framework for Artificial General Intelligence. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
630	Enhancing Time Series Momentum Strategies Using Deep Neural Networks. SSRN Electronic Journal, 2019, , .	0.4	2
631	Recent progresses on object detection: a brief review. Multimedia Tools and Applications, 2019, 78, 27809-27847.	3.9	25
632	Hard X-Ray Emission Detection Using Deep Learning Analysis of the Radiated UHF Electromagnetic Signal From a Plasma Focus Discharge. IEEE Access, 2019, 7, 74899-74908.	4.2	12
633	Determination of chaotic behaviour in time series generated by charged particle motion around magnetized Schwarzschild black holes. European Physical Journal C, 2019, 79, 1.	3.9	42
634	Two-stage population based training method for deep reinforcement learning. , 2019, , .		0
635	Deep reinforcement learning applied to the k-server problem. Expert Systems With Applications, 2019, 135, 212-218.	7.6	2
636	An effective asynchronous framework for small scale reinforcement learning problems. Applied Intelligence, 2019, 49, 4303-4318.	5.3	12
637	Multi-Agent Planning under Uncertainty with Monte Carlo Q-Value Function. Applied Sciences (Switzerland), 2019, 9, 1430.	2.5	0
638	Artificial Intelligence Approach in Melanoma. , 2019, , 1-31.		5
639	A First Look at Deep Learning Apps on Smartphones. , 2019, , .		89
640	Predicting pathogenicity of missense variants with weakly supervised regression. Human Mutation, 2019, 40, 1579-1592.	2.5	5
641	Human-level performance in 3D multiplayer games with population-based reinforcement learning. Science, 2019, 364, 859-865.	12.6	286
642	Learning Retrosynthetic Planning through Simulated Experience. ACS Central Science, 2019, 5, 970-981.	11.3	97
644	Design Guidelines of RRAM based Neural-Processing-Unit. , 2019, , .		39
645	Marketing Meets Data Science: Bridging the Gap. , 2019, , 3-117.		2
646	An Evolutionary Theory of Learning. SSRN Electronic Journal, 2019, , .	0.4	0
647	Circumventing the solution of inverse problems in mechanics through deep learning: Application to elasticity imaging. Computer Methods in Applied Mechanics and Engineering, 2019, 353, 448-466.	6.6	24
648	Exploration Versus Exploitation in Reinforcement Learning: A Stochastic Control Approach. SSRN Electronic Journal, 0, , .	0.4	7

#	ARTICLE	IF	CITATIONS
649	Solving Combinatorial Problems with Machine Learning Methods. Springer Optimization and Its Applications, 2019, , 207-229.	0.9	10
650	An RNA Scoring Function for Tertiary Structure Prediction Based on Multi-Layer Neural Networks. Molecular Biology, 2019, 53, 118-126.	1.3	3
651	Deep Hierarchical Encoderâ€“Decoder Network for Image Captioning. IEEE Transactions on Multimedia, 2019, 21, 2942-2956.	7.2	61
652	RankNet for evaluation functions of the game of Go. ICGA Journal, 2019, 41, 78-91.	0.3	1
653	Metaheuristic Framework Introducing the Concept of Reinforcement Learning for Combinatorial Optimization Problems. Transactions of the Institute of Systems Control and Information Engineers, 2019, 32, 79-86.	0.1	0
654	The digitization of organic synthesis. Nature, 2019, 570, 175-181.	27.8	69
655	Analog Circuit Generator based on Deep Neural Network enhanced Combinatorial Optimization. , 2019, , .		5
656	Stochastic Double Deep Q-Network. IEEE Access, 2019, 7, 79446-79454.	4.2	10
657	Teaching AI Algorithms with Games Including Mahjong and FightTheLandlord on the Botzone Online Platform. , 2019, , .		1
658	Intelligent Resource Scheduling for 5G Radio Access Network Slicing. IEEE Transactions on Vehicular Technology, 2019, 68, 7691-7703.	6.3	132
659	From Reflex to Reflection: Two Tricks AI Could Learn from Us. Philosophies, 2019, 4, 27.	0.7	0
660	Guided goal generation for hindsight multi-goal reinforcement learning. Neurocomputing, 2019, 359, 353-367.	5.9	11
661	Addiction beyond pharmacological effects: The role of environment complexity and bounded rationality. Neural Networks, 2019, 116, 269-278.	5.9	27
662	The new division of labor between human and machine and its educational implications. Technology in Society, 2019, 59, 101142.	9.4	17
663	The Dots and Boxes Records Storing Standard Format for Machine Learning and The Design and Implementation of Its Generation Tool. Journal of Physics: Conference Series, 2019, 1176, 032009.	0.4	1
664	Link prediction via linear optimization. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121319.	2.6	66
665	A novel deep residual network-based incomplete information competition strategy for four-players Mahjong games. Multimedia Tools and Applications, 2019, 78, 23443-23467.	3.9	5
666	Reinforcement Learning â€“ Overview of recent progress and implications for process control. Computers and Chemical Engineering, 2019, 127, 282-294.	3.8	155

#	ARTICLE	IF	CITATIONS
667	Simulation to scaled city. , 2019, , .		29
668	Scalable Deep Multi-Agent Reinforcement Learning via Observation Embedding and Parameter Noise. IEEE Access, 2019, 7, 54615-54622.	4.2	7
669	Learning to Communicate Efficiently with Group Division in Decentralized Multi-agent Cooperation. , 2019, , .		0
670	A Review of the Application of Machine Learning and Data Mining Approaches in Continuum Materials Mechanics. Frontiers in Materials, 2019, 6, .	2.4	223
671	Inverse design of photonic topological state via machine learning. Applied Physics Letters, 2019, 114, .	3.3	101
672	Fault location in AC transmission lines with backâ€”back MMCâ€”HVDC using ConvNets. Journal of Engineering, 2019, 2019, 2430-2434.	1.1	8
673	Computation Offloading in Multi-Access Edge Computing Using a Deep Sequential Model Based on Reinforcement Learning. IEEE Communications Magazine, 2019, 57, 64-69.	6.1	174
674	Machine learning for wearable IoTâ€”based applications: A survey. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3635.	3.9	49
675	Phased microphone array for sound source localization with deep learning. Aerospace Systems, 2019, 2, 71-81.	1.4	28
676	Delay-Tolerance-Based Mobile Data Offloading Using Deep Reinforcement Learning. Sensors, 2019, 19, 1674.	3.8	6
677	An End-to-End Deep Neural Network for Autonomous Driving Designed for Embedded Automotive Platforms. Sensors, 2019, 19, 2064.	3.8	87
678	Supervised Reinforcement Learning via Value Function. Symmetry, 2019, 11, 590.	2.2	1
679	Towards learning-to-learn. Current Opinion in Behavioral Sciences, 2019, 29, 45-50.	3.9	10
680	Deep learning in bioinformatics: Introduction, application, and perspective in the big data era. Methods, 2019, 166, 4-21.	3.8	247
681	Machine behaviour. Nature, 2019, 568, 477-486.	27.8	536
682	Non-local Self-attention Structure for Function Approximation in Deep Reinforcement Learning. , 2019, , .		0
683	Incremental Reinforcement Learning With Prioritized Sweeping for Dynamic Environments. IEEE/ASME Transactions on Mechatronics, 2019, 24, 621-632.	5.8	43
684	Cooperative Deep Q-Learning With Q-Value Transfer for Multi-Intersection Signal Control. IEEE Access, 2019, 7, 40797-40809.	4.2	88

#	ARTICLE	IF	CITATIONS
685	Online scheduling of image satellites based on neural networks and deep reinforcement learning. Chinese Journal of Aeronautics, 2019, 32, 1011-1019.	5.3	53
686	Deep Reinforcement Scheduling for Mobile Crowdsensing in Fog Computing. ACM Transactions on Internet Technology, 2019, 19, 1-18.	4.4	86
687	Large data sets and machine learning: Applications to statistical arbitrage. European Journal of Operational Research, 2019, 278, 330-342.	5.7	78
688	Deep Learning: A Rapid and Efficient Route to Automatic Metasurface Design. Advanced Science, 2019, 6, 1900128.	11.2	236
690	The capacity of feedforward neural networks. Neural Networks, 2019, 116, 288-311.	5.9	39
691	A Generative Adversarial Neural Network for Beamforming Ultrasound Images : Invited Presentation. , 2019, , .		34
692	Reinforcement Learning and Deep Learning Based Lateral Control for Autonomous Driving [Application Notes]. IEEE Computational Intelligence Magazine, 2019, 14, 83-98.	3.2	100
693	Reinforcement Learning: Connections, Surprises, Challenges. AI Magazine, 2019, 40, 3-15.	1.6	6
695	Big data in nanoscale connectomics, and the greed for training labels. Current Opinion in Neurobiology, 2019, 55, 180-187.	4.2	15
696	Search for Catalysts by Inverse Design: Artificial Intelligence, Mountain Climbers, and Alchemists. Chemical Reviews, 2019, 119, 6595-6612.	47.7	142
697	Editors' Introduction: Computational Approaches to Social Cognition. Topics in Cognitive Science, 2019, 11, 281-298.	1.9	10
698	Reinforcement Learning to Diversify Top-N Recommendation. Lecture Notes in Computer Science, 2019, , 104-120.	1.3	13
699	Applying Machine Learning to Improve Simulations of a Chaotic Dynamical System Using Empirical Error Correction. Journal of Advances in Modeling Earth Systems, 2019, 11, 1402-1417.	3.8	44
700	CRYSTAL: a multi-agent AI system for automated mapping of materials' crystal structures. MRS Communications, 2019, 9, 600-608.	1.8	22
701	A cooperative multi-agent deep reinforcement learning framework for real-time residential load scheduling. , 2019, , .		17
702	Efficient Online Hyperparameter Adaptation for Deep Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 141-155.	1.3	4
703	Reinforcement Learning, Fast and Slow. Trends in Cognitive Sciences, 2019, 23, 408-422.	7.8	364
704	Machine learning in a data-limited regime: Augmenting experiments with synthetic data uncovers order in crumpled sheets. Science Advances, 2019, 5, eaau6792.	10.3	47

#	ARTICLE	IF	CITATIONS
705	iRAF: A Deep Reinforcement Learning Approach for Collaborative Mobile Edge Computing IoT Networks. IEEE Internet of Things Journal, 2019, 6, 7011-7024.	8.7	162
706	What can AI do for me?. , 2019, , .		38
707	Demonstrating Advantages of Neuromorphic Computation: A Pilot Study. Frontiers in Neuroscience, 2019, 13, 260.	2.8	83
708	Cost Benefits of Multi-cloud Deployment of Dynamic Computational Intelligence Applications. Advances in Intelligent Systems and Computing, 2019, , 1041-1054.	0.6	4
709	Reverse Parking a Car-Like Mobile Robot with Deep Reinforcement Learning and Preview Control. , 2019, , .		8
710	Artificial Intelligence in Pathology. Journal of Pathology and Translational Medicine, 2019, 53, 1-12.	1.1	144
711	Training convolutional neural networks to estimate turbulent sub-grid scale reaction rates. Combustion and Flame, 2019, 203, 255-264.	5.2	119
712	A new generation of AI: A review and perspective on machine learning technologies applied to smart energy and electric power systems. International Journal of Energy Research, 2019, 43, 1928-1973.	4.5	169
713	A graph convolutional neural network for classification of building patterns using spatial vector data. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 150, 259-273.	11.1	133
714	Reinforcement learning for linear continuous-time systems: an incremental learning approach. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 433-440.	13.1	17
715	Digital Image Steganalysis Based on Visual Attention and Deep Reinforcement Learning. IEEE Access, 2019, 7, 25924-25935.	4.2	24
716	Modelling complex investment decisions in Germany for renewables with different machine learning algorithms. Environmental Modelling and Software, 2019, 118, 61-75.	4.5	18
717	Machine learning as a contributor to physics: Understanding Mg alloys. Materials and Design, 2019, 172, 107759.	7.0	20
718	Deep neural network learning of complex binary sorption equilibria from molecular simulation data. Chemical Science, 2019, 10, 4377-4388.	7.4	38
719	Learning to dress. ACM Transactions on Graphics, 2018, 37, 1-10.	7.2	62
720	Patient-attentive sequential strategy for perimetry-based visual field acquisition. Medical Image Analysis, 2019, 54, 179-192.	11.6	3
721	FPGA-based approximate calculation system of General Vector Machine. Microelectronics Journal, 2019, 86, 87-96.	2.0	2
722	Unmasking Clever Hans predictors and assessing what machines really learn. Nature Communications, 2019, 10, 1096.	12.8	602

#	ARTICLE	IF	CITATIONS
723	A State-of-the-Art Survey on Deep Learning Theory and Architectures. Electronics (Switzerland), 2019, 8, 292.	3.1	954
724	Dynamic Replication and Hedging: <i>A Reinforcement Learning Approach</i>. The Journal of Financial Data Science, 2019, 1, 159-171.	1.3	54
725	JigsawNet: Shredded Image Reassembly Using Convolutional Neural Network and Loop-Based Composition. IEEE Transactions on Image Processing, 2019, 28, 4000-4015.	9.8	20
726	A Second Chance to Get Causal Inference Right: A Classification of Data Science Tasks. Chance, 2019, 32, 42-49.	0.2	247
727	Machine Learning With Observers Predicts Complex Spatiotemporal Behavior. Frontiers in Physics, 2019, 7, .	2.1	11
728	Convolutional neural network to predict the local recurrence of giant cell tumor of bone after curettage based on pre-surgery magnetic resonance images. European Radiology, 2019, 29, 5441-5451.	4.5	30
729	Reinforcement learning with analogue memristor arrays. Nature Electronics, 2019, 2, 115-124.	26.0	247
730	Memristors learn to play. Nature Electronics, 2019, 2, 96-97.	26.0	3
731	Some improvements in Monte Carlo tree search algorithms for sudden death games. ICGA Journal, 2019, 40, 460-470.	0.3	4
732	A Novel Nested Q-Learning Method to Tackle Time-Constrained Competitive Influence Maximization. IEEE Access, 2019, 7, 6337-6352.	4.2	15
733	Joint Task Difficulties Estimation and Testees Ranking for Intelligence Evaluation. IEEE Transactions on Computational Social Systems, 2019, 6, 221-226.	4.4	9
734	Lessons for artificial intelligence from the study of natural stupidity. Nature Machine Intelligence, 2019, 1, 174-180.	16.0	55
735	Learning to Reconstruct Computed Tomography Images Directly From Sinogram Data Under A Variety of Data Acquisition Conditions. IEEE Transactions on Medical Imaging, 2019, 38, 2469-2481.	8.9	109
736	An investigation of strength analysis metrics for game-playing programs: A case study in Chinese dark chess. ICGA Journal, 2019, 40, 77-104.	0.3	3
737	Hidden Link Prediction in Criminal Networks Using the Deep Reinforcement Learning Technique. Computers, 2019, 8, 8.	3.3	43
738	A deep learning approach to anomaly detection in geological carbon sequestration sites using pressure measurements. Journal of Hydrology, 2019, 573, 885-894.	5.4	44
739	Can Biological Quantum Networks Solve NP-Hard Problems?. Advanced Quantum Technologies, 2019, 2, 1800081.	3.9	2
740	Deep learning in estimating prevalence and systemic risk factors for diabetic retinopathy: a multi-ethnic study. Npj Digital Medicine, 2019, 2, 24.	10.9	53

#	ARTICLE	IF	CITATIONS
741	Intelligent inverse treatment planning via deep reinforcement learning, a proof-of-principle study in high dose-rate brachytherapy for cervical cancer. <i>Physics in Medicine and Biology</i> , 2019, 64, 115013.	3.0	70
742	Revisiting a theory of cerebellar cortex. <i>Neuroscience Research</i> , 2019, 148, 1-8.	1.9	21
743	A Mixed Signal Architecture for Convolutional Neural Networks. <i>ACM Journal on Emerging Technologies in Computing Systems</i> , 2019, 15, 1-26.	2.3	16
744	Design Space Exploration of Memory Controller Placement in Throughput Processors with Deep Learning. <i>IEEE Computer Architecture Letters</i> , 2019, 18, 51-54.	1.5	7
745	A Deep Reinforcement Learning-Enabled Dynamic Redeployment System for Mobile Ambulances. , 2019, 3, 1-20.		23
746	Review of Deep Reinforcement Learning for Robot Manipulation. , 2019, , .		109
747	Electronic synapses based on ultrathin quasi-two-dimensional gallium oxide memristor. <i>Chinese Physics B</i> , 2019, 28, 017304.	1.4	16
748	Analyzing biological and artificial neural networks: challenges with opportunities for synergy?. <i>Current Opinion in Neurobiology</i> , 2019, 55, 55-64.	4.2	71
749	A Monte Carlo Tree Search approach to finding efficient patrolling schemes on graphs. <i>European Journal of Operational Research</i> , 2019, 277, 255-268.	5.7	14
750	Learning and Acting in Peripersonal Space: Moving, Reaching, and Grasping. <i>Frontiers in Neurorobotics</i> , 2019, 13, 4.	2.8	7
751	The Pathway to Intelligence: Using Stimuli-Responsive Materials as Building Blocks for Constructing Smart and Functional Systems. <i>Advanced Materials</i> , 2019, 31, e1804540.	21.0	169
752	Smart dispatching for energy internet with complex cyber-physical-social systems: A parallel dispatch perspective. <i>International Journal of Energy Research</i> , 2019, 43, 3080-3133.	4.5	19
753	Comparative Principles for Next-Generation Neuroscience. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 12.	2.0	18
754	Deep new: The shifting narratives of artificial intelligence from Deep Blue to AlphaGo. <i>Convergence</i> , 2019, 25, 627-642.	2.7	35
755	Deep neural networks in psychiatry. <i>Molecular Psychiatry</i> , 2019, 24, 1583-1598.	7.9	166
756	Teaming up with Artificial Intelligence: The Human in the Loop of Serious Game Pathfinding Algorithms. <i>Lecture Notes in Computer Science</i> , 2019, , 354-363.	1.3	1
757	Intuition, intelligence, data compression. <i>Synthese</i> , 2019, , 1.	1.1	2
758	Decision-making in brains and robots – the case for an interdisciplinary approach. <i>Current Opinion in Behavioral Sciences</i> , 2019, 26, 137-145.	3.9	8

#	ARTICLE	IF	CITATIONS
759	Integral equations and machine learning. Mathematics and Computers in Simulation, 2019, 161, 2-12.	4.4	11
760	Unconventional Inorganicâ€Based Memristive Devices for Advanced Intelligent Systems. Advanced Materials Technologies, 2019, 4, 1900080.	5.8	14
761	Deep Neural Networks and Explainable Machine Learning. Lecture Notes in Computer Science, 2019, , 253-256.	1.3	2
762	Machine learning meets quantum physics. Physics Today, 2019, 72, 48-54.	0.3	117
764	Nanomaterials Discovery and Design through Machine Learning. Small Methods, 2019, 3, 1900025.	8.6	67
765	Deep Reinforcement Learning in Strategic Board Game Environments. Lecture Notes in Computer Science, 2019, , 233-248.	1.3	10
766	Large-Scale Full-Coverage Traffic Speed Estimation under Extreme Traffic Conditions Using a Big Data and Deep Learning Approach: Case Study in China. Journal of Transportation Engineering Part A: Systems, 2019, 145, .	1.4	18
767	Combining Subgoal Graphs with Reinforcement Learning to Build a Rational Pathfinder. Applied Sciences (Switzerland), 2019, 9, 323.	2.5	4
768	Big Data and Machine Learning Meet the Health Sciences. , 2019, , 1-13.		8
770	Using neuroscience to develop artificial intelligence. Science, 2019, 363, 692-693.	12.6	142
771	Marketing in the Digital Age: A Moveable Feast of Information. Review of Marketing Research, 2019, , 13-33.	0.2	2
772	Graph Colouring Meets Deep Learning: Effective Graph Neural Network Models for Combinatorial Problems. , 2019, , .		23
773	Research on Intelligent Translation System Based on Deep Learning. , 2019, , .		0
774	Switching Decision of Air-Ground Amphibious Robot using Neural Network-based Reinforcement Learning. , 2019, , .		1
775	Model Learning for Look-Ahead Exploration in Continuous Control. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 3151-3158.	4.9	4
776	Strategy research based on chess shapes for Tibetan JIU computer game. ICGA Journal, 2019, 40, 318-328.	0.3	3
777	A transferable neural network for Hex. ICGA Journal, 2019, 40, 224-233.	0.3	0
778	2017 â€œCITIC Securities Cupâ€ The 1st World AI Go Open. ICGA Journal, 2019, 40, 363-368.	0.3	1

#	ARTICLE	IF	CITATIONS
779	Memory Bounded Open-Loop Planning in Large POMDPs Using Thompson Sampling. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 7941-7948.	4.9	2
780	Unsupervised deep-learning-powered anomaly detection for instrumented infrastructure. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2019, 172, 135-147.	1.7	3
781	Trust Region Evolution Strategies. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 4352-4359.	4.9	14
782	Using machine learning to aid in the parameter optimisation process for metal-based additive manufacturing. Rapid Prototyping Journal, 2019, 26, 625-637.	3.2	39
783	A Reinforcement Learning-Based Framework for Solving Physical Design Routing Problem in the Absence of Large Test Sets. , 2019, , .		13
784	A hybrid training method of convolution neural networks using adaptive cooperative particle swarm optimiser. International Journal of Wireless and Mobile Computing, 2019, 16, 18.	0.2	2
785	Analysis and Comparison of Monte Carlo Tree Search versus ACO Algorithms in Distribution of Resources and Environment. IOP Conference Series: Materials Science and Engineering, 2019, 612, 052005.	0.6	0
786	Parallel Monte Carlo Integration Algorithm Based on GPU. , 2019, , .		2
787	A Dynamic Adjusting Reward Function Method for Deep Reinforcement Learning with Adjustable Parameters. Mathematical Problems in Engineering, 2019, 2019, 1-10.	1.1	22
788	Bolt Detection of Key Component for High-speed Trains Based on Deep Learning. , 2019, , .		2
789	Application of FPGA in the Electric Customer Service Hall. , 2019, , .		0
790	Reinforcement Fuzzy Tree: A Method extracting Rules from Reinforcement Learning Models. , 2019, , .		4
791	Autonomous Voltage Control for Grid Operation Using Deep Reinforcement Learning. , 2019, , .		54
792	Sequential decomposition of repeated games with asymmetric information and dependent states. , 2019, , .		1
793	A Generic Framework for Task Selection Driven by Synthetic Emotions. , 2019, , .		0
794	Trajectory Optimization for Unknown Constrained Systems using Reinforcement Learning. , 2019, , .		14
795	Deep Reinforcement Learning for Network Slicing with Heterogeneous Resource Requirements and Time Varying Traffic Dynamics. , 2019, , .		35
796	Universal Notice Network: Transferable Knowledge Among Agents. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
797	TrackDQN: Visual Tracking via Deep Reinforcement Learning. , 2019, , .		3
798	A Hierarchical Model for StarCraft II Mini-Game. , 2019, , .		1
799	Monte Carlo Tree Search with Variable Simulation Periods for Continuously Running Tasks. , 2019, , .		1
800	Optimal Solving of Constrained Path-Planning Problems with Graph Convolutional Networks and Optimized Tree Search. , 2019, , .		5
801	Neural Malware Control with Deep Reinforcement Learning. , 2019, , .		5
802	Policy Distillation and Value Matching in Multiagent Reinforcement Learning. , 2019, , .		10
803	Sample-Efficient Policy Learning based on Completely Behavior Cloning. , 2019, , .		0
804	Can a Robot Become a Movie Director? Learning Artistic Principles for Aerial Cinematography. , 2019, , .		37
805	Reducing the Maximum Length of Connections in Single Flux Quantum Circuits During Routing. , 2019, , .		0
806	Hidden Markov Model Estimation-Based Q-learning for Partially Observable Markov Decision Process. , 2019, , .		5
807	A Redundant Fault-tolerant Aviation Control System Based on Deep Neural Network. , 2019, , .		6
808	How to Learn Quickly: An investigation of how to optimally train deep neural networks and its implications for human learning. , 2019, , .		0
809	The Application of Reinforcement Learning in Amazons. , 2019, , .		2
810	A Configurable and Versatile Architecture for Low Power, Energy Efficient Hardware Acceleration of Convolutional Neural Networks. , 2019, , .		0
811	Selector-Actor-Critic and Tuner-Actor-Critic Algorithms for Reinforcement Learning. , 2019, , .		3
812	Multi-agent Negotiation in Real-time Bidding. , 2019, , .		0
813	A Human-Like Agent Based on a Hybrid of Reinforcement and Imitation Learning. , 2019, , .		4
814	Analysis of Evolutionary Behavior in Self-Learning Media Search Engines. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
815	Coordination of PV Smart Inverters Using Deep Reinforcement Learning for Grid Voltage Regulation. , 2019, , .		26
816	Deep Active Imitation Learning in FIFA Free-Kicks Player Platforms Based on Raw Image and Object Detection State Representations. , 2019, , .		0
817	Alternative Loss Functions in AlphaZero-like Self-play. , 2019, , .		9
818	Analysis of Boardgames using Eye-tracking: Case Study with Gomoku. , 2019, , .		0
819	The Concept of Criticality in Reinforcement Learning. , 2019, , .		1
820	Learning Physics-Based Manipulation in Clutter: Combining Image-Based Generalization and Look-Ahead Planning. , 2019, , .		14
821	Reinforcement Learning under Threats. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9939-9940.	4.9	11
822	Modeling and Predicting Protein-Protein Interactions of Type 2 Diabetes Mellitus Using Feedforward Neural Networks. , 2019, , .		0
823	Generating adversarial examples for DNN using pooling layers. Journal of Intelligent and Fuzzy Systems, 2019, 37, 4615-4620.	1.4	2
824	A Review on Machine Learning and Deep Learning Techniques Applied to Liquid Biopsy. , 0, , .		2
825	Autonomous Highway Driving using Deep Reinforcement Learning. , 2019, , .		68
826	The way toward autonomy in industry - taxonomy, process framework, enablers, and implications. , 2019, , .		4
827	End-To-End Interpretable Neural Motion Planner. , 2019, , .		190
828	Deep reinforcement learning-based beam Hopping algorithm in multibeam satellite systems. IET Communications, 2019, 13, 2485-2491.	2.2	38
829	Deep Auto-Encoded Clustering Algorithm for Community Detection in Complex Networks. Chinese Journal of Electronics, 2019, 28, 489-496.	1.5	15
830	Link Prediction in Time-Evolving Criminal Network With Deep Reinforcement Learning Technique. IEEE Access, 2019, 7, 184797-184807.	4.2	28
831	Convergence and Iteration Complexity of Policy Gradient Method for Infinite-horizon Reinforcement Learning. , 2019, , .		4
832	Resource Management for Multifunction Multichannel Cognitive Radars. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
833	Smart DAG Task Scheduling with Efficient Pruning-Based MCTS Method. , 2019, , .		3
834	Overcoming Catastrophic Forgetting With Unlabeled Data in the Wild. , 2019, , .		78
835	Bit-Flip Attack: Crushing Neural Network With Progressive Bit Search. , 2019, , .		97
836	Towards Learning Multi-Agent Negotiations via Self-Play. , 2019, , .		11
837	Encoding Topology Information for Deep Reinforcement Learning with Continuous Action Space. , 2019, , .		0
838	Learning to Flip Successive Cancellation Decoding of Polar Codes with LSTM Networks. , 2019, , .		15
839	Curating Explanations of Machine Learning Models for Business Stakeholders. , 2019, , .		1
840	Application Research of Artificial Intelligence in the Fifth Generation Mobile Communication Technology. , 2019, , .		0
841	Universally Slimmable Networks and Improved Training Techniques. , 2019, , .		165
842	Two-Phase-Win Strategy for Improving the AlphaZero™s Strength. , 2019, , .		0
843	RePack: Dense Object Packing Using Deep CNN with Reinforcement Learning. , 2019, , .		1
844	AdaTransform: Adaptive Data Transformation. , 2019, , .		9
845	Production flow control through the use of reinforcement learning. Procedia Manufacturing, 2019, 38, 194-202.	1.9	3
846	Deep Reinforcement Learning for Market Making in Corporate Bonds: Beating the Curse of Dimensionality. Applied Mathematical Finance, 2019, 26, 387-452.	1.2	41
847	Taxiing Speed Intelligent Management of Aircraft Based on DQN for A-SMGCS. Journal of Physics: Conference Series, 2019, 1345, 042015.	0.4	3
848	Research on the Development of Integration of Neuroscience and Artificial Intelligence. IOP Conference Series: Earth and Environmental Science, 2019, 384, 012007.	0.3	0
849	Interpretable Approximation of a Deep Reinforcement Learning Agent as a Set of If-Then Rules. , 2019, , .		7
850	Marking Key Segment of Program Input via Attention Mechanism. IEEE Access, 2019, 7, 183877-183891.	4.2	0

#	ARTICLE	IF	CITATIONS
851	Learning Policies from Human Data for Skat. , 2019, , .		6
852	Evaluating the Performance of the Deep Active Imitation Learning Algorithm in the Dynamic Environment of FIFA Player Agents. , 2019, , .		0
853	Developing Robot Reaching Skill via Look-ahead Planning. , 2019, , .		1
854	Pay Attention! - Robustifying a Deep Visuomotor Policy Through Task-Focused Visual Attention. , 2019, , .		12
855	A Multi-agent Design of a Computer Player for Nine Men's Morris Board Game using Deep Reinforcement Learning. , 2019, , .		0
856	Adaptive cooperative detection method for unmanned planetary vehicles based on deep reinforcement learning. , 2019, , .		2
857	Position Control and Production of Various Strategies for Deep Learning Go Programs. , 2019, , .		0
858	Study on the Play Strategy of Dou Dizhu Poker Based on Convolution Neural Network. , 2019, , .		1
859	Combining Deep Deterministic Policy Gradient with Cross-Entropy Method. , 2019, , .		0
860	Propagation Mechanism for Deep and Wide Neural Networks. , 2019, , .		4
861	Predicting Futures Market Movement using Deep Neural Networks. , 2019, , .		7
862	Solving Traveling Salesman Problem with Image-Based Classification. , 2019, , .		1
863	Design of No-Go Game Algorithm Based on Reinforcement Learning. , 2019, , .		2
864	An FPGA Accelerator for Embedded Microcontrollers Implementing a Ternarized Backpropagation Algorithm. , 2019, , .		1
865	Sim-Real Joint Reinforcement Transfer for 3D Indoor Navigation. , 2019, , .		15
866	Re-determinizing MCTS in Hanabi. , 2019, , .		3
867	Obstacle Avoidance with Reinforcement Learning and Adaptive Resonance Theory. , 2019, , .		1
868	Deep Learning for the Degraded Broadcast Channel. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
869	Rainbow Deep Reinforcement Learning Agent for Improved Solution of the Traffic Congestion. , 2019, , .		7
870	Autonomous Information Behaviour: Towards a Conceptual Model. Proceedings of the Annual Conference of CAIS / Actes Du CongrÃ's Annuel De L ACSI, 0, , .	0.0	0
871	Reinforcement learning control for indoor comfort: a survey. IOP Conference Series: Materials Science and Engineering, 2019, 609, 062011.	0.6	0
872	Challenges and Ways Forward for Avionics Platforms and their Development in 2019. , 2019, , .		15
873	Visual Tracking by Means of Deep Reinforcement Learning and an Expert Demonstrator. , 2019, , .		27
874	Reinforcement Learning for Cognitive Radar Task Scheduling. , 2019, , .		8
875	A framework for scheduling in cloud manufacturing with deep reinforcement learning. , 2019, , .		5
876	Deep Reinforcement Learning-Based Topology Optimization for Self-Organized Wireless Sensor Networks. , 2019, , .		16
877	A Study on the Game System of Dots and Boxes Based on Reinforcement Learning. , 2019, , .		0
878	Learning Policies from Self-Play with Policy Gradients and MCTS Value Estimates. , 2019, , .		1
879	Enhancing Rolling Horizon Evolution with Policy and Value Networks. , 2019, , .		6
880	Ludii as a Competition Platform. , 2019, , .		9
881	Joint Offloading and Streaming in Mobile Edges: A Deep Reinforcement Learning Approach. , 2019, , .		5
882	Ensemble Decision Systems for General Video Game Playing. , 2019, , .		1
883	On the Robustness of Deep K-Nearest Neighbors. , 2019, , .		25
884	Spear: Optimized Dependency-Aware Task Scheduling with Deep Reinforcement Learning. , 2019, , .		37
885	Software Developers Learning Machine Learning: Motivations, Hurdles, and Desires. , 2019, , .		24
886	Learn to Navigate: Cooperative Path Planning for Unmanned Surface Vehicles Using Deep Reinforcement Learning. IEEE Access, 2019, 7, 165262-165278.	4.2	82

#	ARTICLE	IF	CITATIONS
887	Design and Implementation of Surakarta Game System Based on Reinforcement Learning. , 2019, , .		2
888	DL-CFAR: A Novel CFAR Target Detection Method Based on Deep Learning. , 2019, , .		15
889	Towards Deep Learning-Based Approach for Detecting Android Malware. International Journal of Software Innovation, 2019, 7, 1-24.	0.4	4
890	Hybrid intelligent technique for voltage/VAR control in power systems. IET Generation, Transmission and Distribution, 2019, 13, 4724-4732.	2.5	6
891	Multi-Agent Autonomous On-Demand Free Flight Operations in Urban Air Mobility. , 2019, , .		22
892	Model-free Deep Reinforcement Learning for Urban Autonomous Driving. , 2019, , .		146
893	Data Management Challenges for Deep Learning. , 2019, , .		53
894	Evaluationâ€function modeling with neural networks for RoboCup soccer. Electronics and Communications in Japan, 2019, 102, 40-46.	0.5	3
895	A modified Monte-Carlo Tree Search Algorithm for Two-sided Assembly Line Balancing Problem. IFAC-PapersOnLine, 2019, 52, 1920-1924.	0.9	3
896	Towards Learning- and Knowledge-Based Methods of Artificial Intelligence for Short-Term Operative Planning Tasks in Production and Logistics: Research Idea and Framework. IFAC-PapersOnLine, 2019, 52, 2716-2721.	0.9	6
898	Dynamics-Enabled Safe Deep Reinforcement Learning: Case Study on Active Suspension Control. , 2019, , .		10
899	Simulation-Based Algorithms for Markov Decision Processes: Monte Carlo Tree Search from AlphaGo to AlphaZero. Asia-Pacific Journal of Operational Research, 2019, 36, 1940009.	1.3	11
900	Model Predictive Control Based on Deep Reinforcement Learning Method with Discrete-Valued Input. , 2019, , .		9
901	Exploiting locality and translational invariance to design effective deep reinforcement learning control of the 1-dimensional unstable falling liquid film. AIP Advances, 2019, 9, .	1.3	45
902	Towards spike-based machine intelligence with neuromorphic computing. Nature, 2019, 575, 607-617.	27.8	869
903	Analysis of the Human Protein Atlas Image Classification competition. Nature Methods, 2019, 16, 1254-1261.	19.0	88
904	An Exploration on the Problems of Replacing Accounting Professions by AI in the Future. , 2019, , .		3
905	Artificial intelligence in detecting early RA. Seminars in Arthritis and Rheumatism, 2019, 49, S25-S28.	3.4	18

#	ARTICLE	IF	CITATIONS
906	Service Function Chain Embedding for NFV-Enabled IoT Based on Deep Reinforcement Learning. IEEE Communications Magazine, 2019, 57, 102-108.	6.1	52
908	Who should bid higher, NS or WE, in a given Bridge deal? , 2019, , .		1
909	Representing Multiword Chemical Terms through Phrase-Level Preprocessing and Word Embedding. ACS Omega, 2019, 4, 18510-18519.	3.5	7
910	Data-Driven Learning Systems for Chemical Reaction Prediction: An Analysis of Recent Approaches. ACS Symposium Series, 2019, , 61-79.	0.5	11
911	Memristor-Based Neural Network Circuit of Full-Function Pavlov Associative Memory With Time Delay and Variable Learning Rate. IEEE Transactions on Cybernetics, 2019, 50, 1-11.	9.5	101
912	Computer Shogi Tournaments and Techniques. IEEE Transactions on Games, 2019, 11, 267-274.	1.4	2
913	Sparsity as the Implicit Gating Mechanism for Residual Blocks. , 2019, , .		2
914	A Deep Actor-Critic Reinforcement Learning Framework for Dynamic Multichannel Access. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 1125-1139.	7.9	63
915	Playing Game 2048 with Deep Convolutional Neural Networks Trained by Supervised Learning. Journal of Information Processing, 2019, 27, 340-347.	0.4	8
916	A Deep Reinforcement Learning Approach to High-speed Train Timetable Rescheduling under Disturbances. , 2019, , .		41
918	Digitale Geschäftsmodelle – Band 2. Edition HMD, 2019, , .	0.2	2
919	Multi-Reward Architecture based Reinforcement Learning for Highway Driving Policies. , 2019, , .		13
920	Learning to Operate a Fleet of Cars. , 2019, , .		8
921	Parallel Nested Rollout Policy Adaptation. , 2019, , .		3
922	Constrained Deep Q-Learning Gradually Approaching Ordinary Q-Learning. Frontiers in Neurorobotics, 2019, 13, 103.	2.8	35
923	Guidance and control for own aircraft in the autonomous air combat: A historical review and future prospects. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5943-5991.	1.3	14
924	Deep Reinforcement Learning for Mobile Robot Navigation. , 2019, , .		5
925	The scientific events that shaped the decade. Nature, 2019, 576, 337-338.	27.8	6

#	ARTICLE	IF	CITATIONS
926	Learning to Recover Sparse Signals. , 2019, , .		3
927	Optimization of Wireless Ad Hoc Network Node Layout Self-play Based on AlphaZero Algorithm. , 2019, , .		0
928	RevCuT Tree Search Method in Complex Single-player Game with Continuous Search Space. , 2019, , .		0
929	Automated acquisition of explainable knowledge from unannotated histopathology images. Nature Communications, 2019, 10, 5642.	12.8	92
930	Towards Concept Based Software Engineering for Intelligent Agents. , 2019, , .		1
931	Artificial Intelligence and Machine Learning in Anesthesiology. Anesthesiology, 2019, 131, 1346-1359.	2.5	133
932	Deep Learning Based Harmonics and Interharmonics Pre-Detection Designed for Compensating Significantly Time-varying EAF Currents. , 2019, , .		3
933	RPR-BP: A Deep Reinforcement Learning Method for Automatic Hyperparameter Optimization. , 2019, , .		2
934	May I Cut Into Your Lane?: A Policy Network to Learn Interactive Lane Change Behavior for Autonomous Driving. , 2019, , .		5
935	Memory-Centric Neuromorphic Computing With Nanodevices. , 2019, , .		0
936	Analyzing the Effect of Stochastic Transitions in Policy Gradients in Deep Reinforcement Learning. , 2019, , .		3
937	Development of a Computer Player for Seejeh (A.K.A Seega, Siga, Kharbga) Board Game with Deep Reinforcement Learning. Procedia Computer Science, 2019, 160, 241-247.	2.0	1
938	Traffic Light Cycle Configuration of Single Intersection Based on Modified Q-Learning. Applied Sciences (Switzerland), 2019, 9, 4558.	2.5	6
939	On-demand design of nanophotonic gratings using artificial neural network. , 2019, , .		0
940	Pilot Allocation Game: A Monte Carlo Tree Based Method. , 2019, , .		3
941	SAI a Sensible Artificial Intelligence that plays Go. , 2019, , .		6
942	A Timetable Rescheduling Approach for Railway based on Monte Carlo Tree Search. , 2019, , .		14
943	Urban Parking System Based on Dynamic Resource Allocation in an Era of Connected and Automated Vehicles. , 2019, , .		6

#	ARTICLE	IF	CITATIONS
944	An Actor-Critic Deep Reinforcement Learning Based Computation Offloading for Three-Tier Mobile Computing Networks. , 2019, , .		7
945	A Review of Incomplete Information Game about Games. , 2019, , .		0
946	Deep Deterministic Policy Gradients with Transfer Learning Framework in StarCraft Micromanagement. , 2019, , .		0
947	Developing the Interpretability of Deep Artificial Neural Network on Application Problems. , 2019, , .		0
948	Applications of machine learning in decision analysis for dose management for dofetilide. PLoS ONE, 2019, 14, e0227324.	2.5	25
949	Rapid modeling of human-defined AI behavior patterns in games. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2683-2692.	4.9	5
950	Applications of asynchronous deep reinforcement learning based on dynamic updating weights. Applied Intelligence, 2019, 49, 581-591.	5.3	15
951	Machine learning: applications of artificial intelligence to imaging and diagnosis. Biophysical Reviews, 2019, 11, 111-118.	3.2	218
952	A reinforcement learning approach to personalized learning recommendation systems. British Journal of Mathematical and Statistical Psychology, 2019, 72, 108-135.	1.4	48
953	100 Years of Progress in Applied Meteorology. Part III: Additional Applications. Meteorological Monographs, 2019, 59, 24.1-24.35.	5.0	5
954	Enhancing transportation systems via deep learning: A survey. Transportation Research Part C: Emerging Technologies, 2019, 99, 144-163.	7.6	193
955	Embracing Environmental Genomics and Machine Learning for Routine Biomonitoring. Trends in Microbiology, 2019, 27, 387-397.	7.7	116
956	Recent Advances in Transparent Electronics with Stretchable Forms. Advanced Materials, 2019, 31, e1804690.	21.0	114
957	An overview of deep learning in medical imaging focusing on MRI. Zeitschrift Fur Medizinische Physik, 2019, 29, 102-127.	1.5	1,266
958	On the Crossroad of Artificial Intelligence: A Revisit to Alan Turing and Norbert Wiener. IEEE Transactions on Cybernetics, 2019, 49, 3618-3626.	9.5	20
959	Data-driven activity scheduler for agent-based mobility models. Transportation Research Part C: Emerging Technologies, 2019, 98, 370-390.	7.6	37
960	New Shades of the Vehicle Routing Problem: Emerging Problem Formulations and Computational Intelligence Solution Methods. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 230-244.	4.9	37
961	A Deep Reinforcement Learning Network for Traffic Light Cycle Control. IEEE Transactions on Vehicular Technology, 2019, 68, 1243-1253.	6.3	318

#	ARTICLE	IF	CITATIONS
962	A survey on metaheuristic optimization for random single-hidden layer feedforward neural network. <i>Neurocomputing</i> , 2019, 335, 261-273.	5.9	59
963	Mechanisms for Enhanced State Retention and Stability in Redox-Gated Organic Neuromorphic Devices. <i>Advanced Electronic Materials</i> , 2019, 5, 1800686.	5.1	66
964	\$L1\$ -Norm Batch Normalization for Efficient Training of Deep Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2043-2051.	11.3	90
965	Deep learning for pyrolysis reactor monitoring: From thermal imaging toward smart monitoring system. <i>AIChE Journal</i> , 2019, 65, 582-591.	3.6	24
966	Data-Flow Graph Mapping Optimization for CGRA With Deep Reinforcement Learning. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2019, 38, 2271-2283.	2.7	27
967	Artificial Intelligence for infectious disease Big Data Analytics. <i>Infection, Disease and Health</i> , 2019, 24, 44-48.	1.1	152
968	Parallel Cyber-Physical-Social Systems Based Smart Energy Robotic Dispatcher and Knowledge Automation: Concepts, Architectures, and Challenges. <i>IEEE Intelligent Systems</i> , 2019, 34, 54-64.	4.0	17
969	Quasi-Hodgkin-Huxley Neurons with Leaky Integrate-and-Fire Functions Physically Realized with Memristive Devices. <i>Advanced Materials</i> , 2019, 31, e1803849.	21.0	87
970	Machine learning methods for research highlight prediction in biomedical effects of nanomaterial application. <i>Pattern Recognition Letters</i> , 2019, 117, 111-118.	4.2	14
971	Toward high-performance, memory-efficient, and fast reinforcement learning—Lessons from decision neuroscience. <i>Science Robotics</i> , 2019, 4, .	17.6	8
972	Polymer Analog Memristive Synapse with Atomic-Scale Conductive Filament for Flexible Neuromorphic Computing System. <i>Nano Letters</i> , 2019, 19, 839-849.	9.1	139
973	Analogues of mental simulation and imagination in deep learning. <i>Current Opinion in Behavioral Sciences</i> , 2019, 29, 8-16.	3.9	30
974	Designing neural networks through neuroevolution. <i>Nature Machine Intelligence</i> , 2019, 1, 24-35.	16.0	406
975	DeepSpectra: An end-to-end deep learning approach for quantitative spectral analysis. <i>Analytica Chimica Acta</i> , 2019, 1058, 48-57.	5.4	201
976	Closed-Loop Control in Active Target Defense Using Machine Learning. , 2019, , .		3
977	A Comprehensive Evaluation of Approaches for Built-Up Area Extraction from Landsat OLI Images Using Massive Samples. <i>Remote Sensing</i> , 2019, 11, 2.	4.0	28
978	The effect of context-dependent information and sentence constructions on perceived humanness of an agent in a Turing test. <i>Knowledge-Based Systems</i> , 2019, 163, 794-799.	7.1	11
979	AI Paradigms for Teaching Biotechnology. <i>Trends in Biotechnology</i> , 2019, 37, 1-5.	9.3	17

#	ARTICLE	IF	CITATIONS
980	Hybrid-Sparsity Constrained Dictionary Learning for Iterative Deblending of Extremely Noisy Simultaneous-Source Data. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2249-2262.	6.3	57
981	Deep Reinforcement Learning in Medicine. Kidney Diseases (Basel, Switzerland), 2019, 5, 18-22.	2.5	54
982	Computers Versus Brains. , 2019, , 205-218.		3
983	Intelligent controller for passivity-based biped robot using deep Q network. Journal of Intelligent and Fuzzy Systems, 2019, 36, 731-745.	1.4	12
984	Automated Design of Energy Efficient Control Strategies for Building Clusters Using Reinforcement Learning. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	9
985	X-Mechanics“An endless frontier. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	17
986	Value Iteration Architecture Based Deep Learning for Intelligent Routing Exploiting Heterogeneous Computing Platforms. IEEE Transactions on Computers, 2019, 68, 939-950.	3.4	29
987	Will machine learning end the viability of radiology as a thriving medical specialty?. British Journal of Radiology, 2019, 92, 20180416.	2.2	55
988	Hierarchical Tracking by Reinforcement Learning-Based Searching and Coarse-to-Fine Verifying. IEEE Transactions on Image Processing, 2019, 28, 2331-2341.	9.8	65
989	Interactive machine learning: experimental evidence for the human in the algorithmic loop. Applied Intelligence, 2019, 49, 2401-2414.	5.3	151
990	Machine Learning for Organic Cage Property Prediction. Chemistry of Materials, 2019, 31, 714-727.	6.7	50
991	Deep reinforcement learning-based path planning of underactuated surface vessels. Cyber-Physical Systems, 2019, 5, 1-17.	2.0	25
992	Machine learning applications in minerals processing: A review. Minerals Engineering, 2019, 132, 95-109.	4.3	186
993	Artificial Neural Network With Composite Architectures for Prediction of Local Control in Radiotherapy. IEEE Transactions on Radiation and Plasma Medical Sciences, 2019, 3, 242-249.	3.7	15
994	Meta-modeling game for deriving theory-consistent, microstructure-based traction“separation laws via deep reinforcement learning. Computer Methods in Applied Mechanics and Engineering, 2019, 346, 216-241.	6.6	89
995	K�nstliche Intelligenz. , 2019, , .		36
996	Classification, Denoising, and Deinterleaving of Pulse Streams With Recurrent Neural Networks. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 1624-1639.	4.7	87
997	The Ghost in the Machine. Human Arenas, 2019, 2, 60-78.	1.4	16

#	ARTICLE	IF	CITATIONS
998	Memristor devices for neural networks. Journal Physics D: Applied Physics, 2019, 52, 023003.	2.8	86
999	High-precision ice-flow velocities from ground observations on Dalk Glacier, Antarctica. Polar Science, 2019, 19, 13-23.	1.2	12
1000	Continuous Control Monte Carlo Tree Search Informed by Multiple Experts. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 2540-2553.	4.4	6
1001	Relationship journeys in the internet of things: a new framework for understanding interactions between consumers and smart objects. Journal of the Academy of Marketing Science, 2019, 47, 216-237.	11.2	187
1002	Self-learning control for wavefront sensorless adaptive optics system through deep reinforcement learning. Optik, 2019, 178, 785-793.	2.9	15
1003	A deep material network for multiscale topology learning and accelerated nonlinear modeling of heterogeneous materials. Computer Methods in Applied Mechanics and Engineering, 2019, 345, 1138-1168.	6.6	190
1004	Combining knowledge with data for efficient and generalizable visual learning. Pattern Recognition Letters, 2019, 124, 31-38.	4.2	4
1005	Drawing on different disciplines: macroeconomic agent-based models. Journal of Evolutionary Economics, 2019, 29, 39-66.	1.7	48
1006	Enriching behavioral ecology with reinforcement learning methods. Behavioural Processes, 2019, 161, 94-100.	1.1	38
1007	Relationship banking and information technology: the role of artificial intelligence and FinTech. Risk Management, 2019, 21, 1-18.	2.3	130
1008	Machine intelligence: a chimera. AI and Society, 2019, 34, 215-242.	4.6	7
1009	A vegetable category recognition system: a comparison study for caffe and Chainer DNN frameworks. Soft Computing, 2019, 23, 3129-3136.	3.6	10
1010	What do we owe to intelligent robots?. AI and Society, 2020, 35, 209-223.	4.6	34
1011	VR-SGD: A Simple Stochastic Variance Reduction Method for Machine Learning. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 188-202.	5.7	38
1013	Gamorithm. IEEE Transactions on Games, 2020, 12, 115-118.	1.4	1
1014	Research Progress on Intelligent Systemâ€™s Learning, Optimization, and Controlâ€™Part II: Online Sparse Kernel Adaptive Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5369-5385.	9.3	8
1015	Reinforcement Learning to Create Value and Policy Functions Using Minimax Tree Search in <i>Hex</i>. IEEE Transactions on Games, 2020, 12, 63-73.	1.4	3
1016	CT evaluation of extranodal extension of cervical lymph node metastases in patients with oral squamous cell carcinoma using deep learning classification. Oral Radiology, 2020, 36, 148-155.	1.9	47

#	ARTICLE	IF	CITATIONS
1017	Dense adaptive cascade forest: a self-adaptive deep ensemble for classification problems. Soft Computing, 2020, 24, 2955-2968.	3.6	16
1018	Recent Advances in Big Data and Deep Learning. Proceedings of the International Neural Networks Society, 2020, , .	0.6	3
1019	Deep learning mitigates but does not annihilate the need of aligned traces and a generalized ResNet model for side-channel attacks. Journal of Cryptographic Engineering, 2020, 10, 85-95.	1.8	23
1020	Performance Guarantees for Model-Based Approximate Dynamic Programming in Continuous Spaces. IEEE Transactions on Automatic Control, 2020, 65, 143-158.	5.7	9
1021	15 challenges for AI: or what AI (currently) can't do. AI and Society, 2020, 35, 355-365.	4.6	42
1022	The Gap of Semantic Parsing: A Survey on Automatic Math Word Problem Solvers. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2020, 42, 2287-2305.	13.9	59
1023	On building a person: benchmarks for robotic personhood. Journal of Experimental and Theoretical Artificial Intelligence, 2020, 32, 581-600.	2.8	3
1024	Deep Reinforcement Learning for EV Charging Navigation by Coordinating Smart Grid and Intelligent Transportation System. IEEE Transactions on Smart Grid, 2020, 11, 1714-1723.	9.0	134
1025	A distributed algorithm to obtain repeated games equilibria with discounting. Applied Mathematics and Computation, 2020, 367, 124785.	2.2	3
1026	Optimizing Throughput Performance in Distributed MIMO Wi-Fi Networks Using Deep Reinforcement Learning. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 135-150.	7.9	10
1027	Deep learning in business analytics and operations research: Models, applications and managerial implications. European Journal of Operational Research, 2020, 281, 628-641.	5.7	194
1028	Bayesian Deep Learning-Based Probabilistic Load Forecasting in Smart Grids. IEEE Transactions on Industrial Informatics, 2020, 16, 4703-4713.	11.3	109
1029	All-metal oxide synaptic transistor with modulatable plasticity. Nanotechnology, 2020, 31, 065201.	2.6	13
1030	Deep Reinforcement Learning for Weak Human Activity Localization. IEEE Transactions on Image Processing, 2020, 29, 1522-1535.	9.8	7
1032	Autonomous Discovery in the Chemical Sciences Part I: Progress. Angewandte Chemie - International Edition, 2020, 59, 22858-22893.	13.8	180
1033	Route selection for a three-dimensional elevator using deep reinforcement learning. Building Services Engineering Research and Technology, 2020, 41, 480-491.	1.8	2
1034	Visual Object Tracking via Guessing and Matching. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4182-4191.	8.3	11
1035	Efficient Navigation of Colloidal Robots in an Unknown Environment via Deep Reinforcement Learning. Advanced Intelligent Systems, 2020, 2, 1900106.	6.1	40

#	ARTICLE	IF	CITATIONS
1036	Autonome Entdeckung in den chemischen Wissenschaften, Teilâ€¦: Fortschritt. Angewandte Chemie, 2020, 132, 23054-23091.	2.0	11
1037	Advancing to precision medicine through big data and artificial intelligence. , 2020, , 337-349.		3
1038	Privacy-enhanced multi-party deep learning. Neural Networks, 2020, 121, 484-496.	5.9	37
1039	Weighted Densely Connected Convolutional Networks for Reinforcement Learning. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2052001.	1.2	11
1040	Quantitative Parameter Estimation, Model Selection, and Variable Selection in Battery Science. Journal of the Electrochemical Society, 2020, 167, 013501.	2.9	19
1041	Incremental Reinforcement Learning in Continuous Spaces via Policy Relaxation and Importance Weighting. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1870-1883.	11.3	22
1044	TensorFlow: A Vegetable Classification System and Its Performance Evaluation. Advances in Intelligent Systems and Computing, 2020, , 132-141.	0.6	2
1045	Predicting outcomes in crowdfunding campaigns with textual, visual, and linguistic signals. Small Business Economics, 2020, 55, 627-649.	6.7	76
1046	Decision Making Photonics: Solving Bandit Problems Using Photons. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-10.	2.9	14
1048	Group Normalization. International Journal of Computer Vision, 2020, 128, 742-755.	15.6	203
1049	Sentiment Analysis of the News Media on Artificial Intelligence Does Not Support Claims of Negative Bias Against Artificial Intelligence. OMICS A Journal of Integrative Biology, 2020, 24, 286-299.	2.0	23
1050	Programmable One-Pot Synthesis of Oligosaccharides. Biochemistry, 2020, 59, 3078-3088.	2.5	33
1051	Fourth paradigm GIScience? Prospects for automated discovery and explanation from data. International Journal of Geographical Information Science, 2020, 34, 1-21.	4.8	35
1052	T-GCN: A Temporal Graph Convolutional Network for Traffic Prediction. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3848-3858.	8.0	1,257
1053	Adaptive Power System Emergency Control Using Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 1171-1182.	9.0	205
1055	Multi-robot Target Encirclement Control with Collision Avoidance via Deep Reinforcement Learning. Journal of Intelligent and Robotic Systems: Theory and Applications, 2020, 99, 371-386.	3.4	33
1056	An Online Search Method for Representative Risky Fault Chains Based on Reinforcement Learning and Knowledge Transfer. IEEE Transactions on Power Systems, 2020, 35, 1856-1867.	6.5	27
1057	Review: Materials Ecosystem for Additive Manufacturing Powder Bed Fusion Processes. Jom, 2020, 72, 561-576.	1.9	25

#	ARTICLE	IF	CITATIONS
1058	AlphaSeq: Sequence Discovery With Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3319-3333.	11.3	12
1059	Development of an Efficient Driving Strategy for Connected and Automated Vehicles at Signalized Intersections: A Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 433-443.	8.0	169
1060	Dynamic Service Function Chain Embedding for NFV-Enabled IoT: A Deep Reinforcement Learning Approach. IEEE Transactions on Wireless Communications, 2020, 19, 507-519.	9.2	78
1061	Autonomous deep learning: A genetic DCNN designer for image classification. Neurocomputing, 2020, 379, 152-161.	5.9	65
1062	Bidding strategy for trading wind energy and purchasing reserve of wind power producer – A DRL based approach. International Journal of Electrical Power and Energy Systems, 2020, 117, 105648.	5.5	43
1063	Prediction of turbulent heat transfer using convolutional neural networks. Journal of Fluid Mechanics, 2020, 882, .	3.4	98
1064	When QoE meets learning: A distributed traffic-processing framework for elastic resource provisioning in HetNets. Computer Networks, 2020, 167, 106904.	5.1	1
1065	Operating Electric Vehicle Fleet for Ride-Hailing Services With Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4822-4834.	8.0	69
1066	A Computer Conquers Tactical Combinations. Chem, 2020, 6, 12-13.	11.7	2
1067	Deep Reinforcement Learning Control for Aerobatic Maneuvering of Agile Fixed-Wing Aircraft. , 2020, , .		26
1068	Machine intelligence in peptide therapeutics: A next-generation tool for rapid disease screening. Medicinal Research Reviews, 2020, 40, 1276-1314.	10.5	189
1069	Optimal production ramp-up in the smartphone manufacturing industry. Naval Research Logistics, 2020, 67, 685-704.	2.2	0
1070	Quality, Reliability, Security and Robustness in Heterogeneous Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , .	0.3	0
1071	Multicore Parallel Dynamic Programming Algorithm for Short-Term Hydro-Unit Load Dispatching of Huge Hydropower Stations Serving Multiple Power Grids. Water Resources Management, 2020, 34, 359-376.	3.9	7
1072	Epigenetics Analysis and Integrated Analysis of Multiomics Data, Including Epigenetic Data, Using Artificial Intelligence in the Era of Precision Medicine. Biomolecules, 2020, 10, 62.	4.0	61
1073	Learning Reliable Visual Saliency For Model Explanations. IEEE Transactions on Multimedia, 2020, 22, 1796-1807.	7.2	19
1074	The design and dispatch strategy of renewable energy absorption facility on pelagic island. International Journal of Electrical Power and Energy Systems, 2020, 118, 105748.	5.5	1
1075	Learning to Be Conscious. Trends in Cognitive Sciences, 2020, 24, 112-123.	7.8	51

#	ARTICLE	IF	CITATIONS
1076	Neural network models for the anisotropic Reynolds stress tensor in turbulent channel flow. Journal of Turbulence, 2020, 21, 525-543.	1.4	25
1077	Optimal VNF Placement via Deep Reinforcement Learning in SDN/NFV-Enabled Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 263-278.	14.0	149
1078	Reinforcement Learning for Bioretrosynthesis. ACS Synthetic Biology, 2020, 9, 157-168.	3.8	77
1079	Renewal Monte Carlo: Renewal Theory-Based Reinforcement Learning. IEEE Transactions on Automatic Control, 2020, 65, 3663-3670.	5.7	4
1080	Optimizing zinc electrowinning processes with current switching via Deep Deterministic Policy Gradient learning. Neurocomputing, 2020, 380, 190-200.	5.9	20
1081	Jointly dampening traffic oscillations and improving energy consumption with electric, connected and automated vehicles: A reinforcement learning based approach. Applied Energy, 2020, 257, 114030.	10.1	177
1082	Reinforcement learning approach for optimal control of multiple electric locomotives in a heavy-haul freight train: A Double-Switch-Q-network architecture. Knowledge-Based Systems, 2020, 190, 105173.	7.1	26
1083	Data science applications to string theory. Physics Reports, 2020, 839, 1-117.	25.6	71
1084	Synchronization of reservoir computers with applications to communications. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123453.	2.6	7
1085	A Survey on Policy Search Algorithms for Learning Robot Controllers in a Handful of Trials. IEEE Transactions on Robotics, 2020, 36, 328-347.	10.3	78
1086	Model-free Adaptive Optimal Control of Episodic Fixed-horizon Manufacturing Processes Using Reinforcement Learning. International Journal of Control, Automation and Systems, 2020, 18, 1593-1604.	2.7	24
1087	When Gaussian Process Meets Big Data: A Review of Scalable GPs. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4405-4423.	11.3	342
1088	Scalable reinforcement learning on Cray XC. Concurrency Computation Practice and Experience, 2020, 32, e5636.	2.2	1
1089	Big geodata mining: Objective, connotations and research issues. Journal of Chinese Geography, 2020, 30, 251-266.	3.9	24
1090	Control of the neuromorphic learning behavior based on the aggregation of thiol-protected Ag-Ag ₂ S core-shell nanoparticles. Japanese Journal of Applied Physics, 2020, 59, 015001.	1.5	9
1091	Artificial intelligence and machine learning as business tools: A framework for diagnosing value destruction potential. Business Horizons, 2020, 63, 183-193.	5.2	153
1092	Multimodal Object-Based Environment Representation for Assistive Robotics. International Journal of Social Robotics, 2020, 12, 807-826.	4.6	0
1094	Low-level autonomous control and tracking of quadrotor using reinforcement learning. Control Engineering Practice, 2020, 95, 104222.	5.5	53

#	ARTICLE	IF	CITATIONS
1095	A review of machine learning for new generation smart dispatch in power systems. Engineering Applications of Artificial Intelligence, 2020, 88, 103372.	8.1	46
1096	The Hanabi challenge: A new frontier for AI research. Artificial Intelligence, 2020, 280, 103216.	5.8	82
1097	Deep-Learning-Based Image Reconstruction and Enhancement in Optical Microscopy. Proceedings of the IEEE, 2020, 108, 30-50.	21.3	90
1098	Emerging Devices for Biologically Accurate Neuron. ACS Applied Electronic Materials, 2020, 2, 389-397.	4.3	7
1099	Randomly generated node-state-update procedure for dipole-coupled magnetic reservoir computing with voltage control of the magnetism. Journal Physics D: Applied Physics, 2020, 53, 094001.	2.8	1
1100	Robot-assisted flexible needle insertion using universal distributional deep reinforcement learning. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 341-349.	2.8	16
1101	Automatic Gain Tuning Method of a Quad-Rotor Geometric Attitude Controller Using A3C. International Journal of Aeronautical and Space Sciences, 2020, 21, 469-478.	2.0	7
1102	Combining Planning and Deep Reinforcement Learning in Tactical Decision Making for Autonomous Driving. IEEE Transactions on Intelligent Vehicles, 2020, 5, 294-305.	12.7	148
1103	Improving Massive MIMO Message Passing Detectors With Deep Neural Network. IEEE Transactions on Vehicular Technology, 2020, 69, 1267-1280.	6.3	36
1104	Reinforcement learning in dual-arm trajectory planning for a free-floating space robot. Aerospace Science and Technology, 2020, 98, 105657.	4.8	86
1105	Two-Stage Model-Agnostic Meta-Learning With Noise Mechanism for One-Shot Imitation. IEEE Access, 2020, 8, 182720-182730.	4.2	4
1106	Automatic Gesture Recognition in Robot-assisted Surgery with Reinforcement Learning and Tree Search. , 2020, , .		28
1107	Bayesian Learning-Based Adaptive Control for Safety Critical Systems. , 2020, , .		35
1108	Learning Pregrasp Manipulation of Objects from Ungraspable Poses. , 2020, , .		10
1109	Local Policy Optimization for Trajectory-Centric Reinforcement Learning. , 2020, , .		7
1110	Learning of Key Pose Evaluation for Efficient Multi-contact Motion Planner. , 2020, , .		2
1111	Advancing Fusion with Machine Learning Research Needs Workshop Report. Journal of Fusion Energy, 2020, 39, 123-155.	1.2	17
1112	Artificial intelligence-based radiotherapy machine parameter optimization using reinforcement learning. Medical Physics, 2020, 47, 6140-6150.	3.0	15

#	ARTICLE	IF	CITATIONS
1113	QN-Docking: An innovative molecular docking methodology based on Q-Networks. Applied Soft Computing Journal, 2020, 96, 106678.	7.2	10
1114	Neural circuit policies enabling auditable autonomy. Nature Machine Intelligence, 2020, 2, 642-652.	16.0	98
1115	In-Memory Computing in Emerging Memory Technologies for Machine Learning: An Overview. , 2020, , .		28
1116	Deep learned finite elements. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113401.	6.6	34
1117	Application of two promising Reinforcement Learning algorithms for load shifting in a cooling supply system. Energy and Buildings, 2020, 229, 110490.	6.7	40
1118	ReLU Networks Are Universal Approximators via Piecewise Linear or Constant Functions. Neural Computation, 2020, 32, 2249-2278.	2.2	12
1119	Fast and Flexible Protein Design Using Deep Graph Neural Networks. Cell Systems, 2020, 11, 402-411.e4.	6.2	121
1120	Artificial Intelligence, Machine Learning, and Cardiovascular Disease. Clinical Medicine Insights: Cardiology, 2020, 14, 117954682092740.	1.8	70
1121	Performance assessment methodology for AI-supported decision-making in production management. Procedia CIRP, 2020, 93, 891-896.	1.9	15
1122	Untangling the complexity of multimorbidity with machine learning. Mechanisms of Ageing and Development, 2020, 190, 111325.	4.6	23
1123	When Autonomous Systems Meet Accuracy and Transferability through AI: A Survey. Patterns, 2020, 1, 100050.	5.9	15
1124	Overview of Machine Learning: Part 2. Neuroimaging Clinics of North America, 2020, 30, 417-431.	1.0	31
1125	Machine Prediction of Topological Transitions in Photonic Crystals. Physical Review Applied, 2020, 14, .	3.8	17
1126	An operational robotic pollen monitoring network based on automatic image recognition. Environmental Research, 2020, 191, 110031.	7.5	48
1127	Learning Credit Assignment. Physical Review Letters, 2020, 125, 178301.	7.8	9
1128	High Robustness Memristor Neural State Machines. ACS Applied Electronic Materials, 2020, 2, 3633-3642.	4.3	8
1129	Towards Selective Data Enhanced Implicit Discourse Relation Recognition via Reinforcement Learning. , 2020, , .		2
1130	Beyond-Visual-Range Air Combat Tactics Auto-Generation by Reinforcement Learning. , 2020, , .		12

#	ARTICLE	IF	CITATIONS
1131	Integrating Machine Learning with Human Knowledge. IScience, 2020, 23, 101656.	4.1	95
1132	Restraining Bolts for Reinforcement Learning Agents. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 13659-13662.	4.9	5
1133	Optimizing the Sensor Placement for Foot Plantar Center of Pressure without Prior Knowledge Using Deep Reinforcement Learning. Sensors, 2020, 20, 5588.	3.8	7
1134	PORF-DDPG: Learning Personalized Autonomous Driving Behavior with Progressively Optimized Reward Function. Sensors, 2020, 20, 5626.	3.8	9
1135	Vehicle Control in Highway Traffic by Using Reinforcement Learning and Microscopic Traffic Simulation. , 2020, , .		7
1137	Artificial intelligence techniques for stability analysis and control in smart grids: Methodologies, applications, challenges and future directions. Applied Energy, 2020, 278, 115733.	10.1	118
1138	Convergence analysis of the deep neural networks based globalized dual heuristic programming. Automatica, 2020, 122, 109222.	5.0	9
1139	The role of technological innovation in plastic production within a circular economy framework. Resources, Conservation and Recycling, 2020, 163, 105094.	10.8	44
1140	Reward design for driver repositioning using multi-agent reinforcement learning. Transportation Research Part C: Emerging Technologies, 2020, 119, 102738.	7.6	25
1141	A bi-level cooperative driving strategy allowing lane changes. Transportation Research Part C: Emerging Technologies, 2020, 120, 102773.	7.6	53
1142	Automatic Auroral Boundary Determination Algorithm With Deep Feature and Dual Level Set. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA027833.	2.4	0
1143	The duality between particle methods and artificial neural networks. Scientific Reports, 2020, 10, 16247.	3.3	8
1144	Solving optimization tasks in condensed matter. Nature Machine Intelligence, 2020, 2, 557-558.	16.0	1
1145	Shape-adaptable biodevices for wearable and implantable applications. Lab on A Chip, 2020, 20, 4321-4341.	6.0	27
1146	Reinforcement learning for bluff body active flow control in experiments and simulations. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26091-26098.	7.1	114
1147	Increasing sample efficiency in deep reinforcement learning using generative environment modelling. Expert Systems, 2020, 38, e12537.	4.5	4
1148	Highly Linear and Symmetric Weight Modification in HfO ₂ -Based Memristive Devices for High-Precision Weight Entries. Advanced Electronic Materials, 2020, 6, 2000434.	5.1	16
1149	Consistency of Medical Data Using Intelligent Neuron Faster R-CNN Algorithm for Smart Health Care Application. Healthcare (Switzerland), 2020, 8, 185.	2.0	9

#	ARTICLE	IF	CITATIONS
1150	Generating attentive goals for prioritized hindsight reinforcement learning. Knowledge-Based Systems, 2020, 203, 106140.	7.1	8
1151	Neuro-inspired computing chips. Nature Electronics, 2020, 3, 371-382.	26.0	402
1152	Synthesis and Generalization of Parallel Algorithms Considering Communication Constraints. , 2020, , .		1
1153	Resistive Crossbars as Approximate Hardware Building Blocks for Machine Learning: Opportunities and Challenges. Proceedings of the IEEE, 2020, 108, 2276-2310.	21.3	55
1154	Deep Reinforcement Learning for Intelligent Transportation Systems: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11-32.	8.0	196
1155	A Reinforcement Learning Scheme for Active Multi-Debris Removal Mission Planning With Modified Upper Confidence Bound Tree Search. IEEE Access, 2020, 8, 108461-108473.	4.2	6
1156	Learning Combinatorial Optimization on Graphs: A Survey With Applications to Networking. IEEE Access, 2020, 8, 120388-120416.	4.2	75
1157	Modeling the System Acquisition Using Deep Reinforcement Learning. IEEE Access, 2020, 8, 124894-124904.	4.2	1
1158	Causal inference and counterfactual prediction in machine learning for actionable healthcare. Nature Machine Intelligence, 2020, 2, 369-375.	16.0	147
1159	Optical Coherence Tomography-Guided Robotic Ophthalmic Microsurgery via Reinforcement Learning from Demonstration. IEEE Transactions on Robotics, 2020, 36, 1207-1218.	10.3	26
1160	Deep Learning at the Mobile Edge: Opportunities for 5G Networks. Applied Sciences (Switzerland), 2020, 10, 4735.	2.5	60
1161	Using Deep Learning to Predict Fracture Patterns in Crystalline Solids. Matter, 2020, 3, 197-211.	10.0	93
1162	The Role of Artificial Intelligence in Surgery. Advances in Surgery, 2020, 54, 89-101.	1.3	40
1163	Deep Reinforcement Learning and Its Neuroscientific Implications. Neuron, 2020, 107, 603-616.	8.1	102
1164	A machine learning based approach for phononic crystal property discovery. Journal of Applied Physics, 2020, 128, .	2.5	27
1165	Cost-Effective Malware Detection as a Service Over Serverless Cloud Using Deep Reinforcement Learning. , 2020, , .		6
1166	Unexplainability and Incomprehensibility of AI. Journal of Artificial Intelligence and Consciousness, 2020, 07, 277-291.	1.2	23
1167	Accelerated Modeling of Lithium Diffusion in Solid State Electrolytes using Artificial Neural Networks. Advanced Theory and Simulations, 2020, 3, 2000097.	2.8	11

#	ARTICLE	IF	CITATIONS
1168	Towards Establishing Criteria for the Ethical Analysis of Artificial Intelligence. Science and Engineering Ethics, 2020, 26, 2413-2425.	2.9	9
1169	Learning to Delay in Ride-Sourcing Systems: A Multi-Agent Deep Reinforcement Learning Framework. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 2280-2292.	5.7	41
1170	Machine learning meets quantum foundations: A brief survey. AVS Quantum Science, 2020, 2, 034101.	4.9	30
1171	Attentive multi-view reinforcement learning. International Journal of Machine Learning and Cybernetics, 2020, 11, 2461-2474.	3.6	4
1172	The Game Is Not over Yet—Go in the Post-AlphaGo Era. Philosophies, 2020, 5, 37.	0.7	11
1173	Study on the Strategy of Playing Doudizhu Game Based on Multirole Modeling. Complexity, 2020, 2020, 1-9.	1.6	4
1174	Tumor Phylogeny Topology Inference via Deep Learning. IScience, 2020, 23, 101655.	4.1	11
1175	Machine invention systems: a (r)evolution of the invention process?. AI and Society, 2021, 36, 829-837.	4.6	2
1176	Understanding adversarial examples requires a theory of artefacts for deep learning. Nature Machine Intelligence, 2020, 2, 731-736.	16.0	28
1177	Beyond Human: Deep Learning, Explainability and Representation. Theory, Culture and Society, 2021, 38, 55-77.	2.4	34
1178	A Monte Carlo tree search for traveling salesman problem with drone. Asian Transport Studies, 2020, 6, 100028.	1.4	8
1179	Cyber-Physical-Social Intelligence. , 2020, , .		18
1180	Deep Learning in Protein Structural Modeling and Design. Patterns, 2020, 1, 100142.	5.9	119
1181	Memristors—From In-Memory Computing, Deep Learning Acceleration, and Spiking Neural Networks to the Future of Neuromorphic and Bio-Inspired Computing. Advanced Intelligent Systems, 2020, 2, 2000085.	6.1	143
1182	Machine learning for quantum matter. Advances in Physics: X, 2020, 5, 1797528.	4.1	100
1183	Fast Unsupervised Anomaly Detection in Traffic Videos. , 2020, , .		30
1184	Powertrain Control for Hybrid-Electric Vehicles Using Supervised Machine Learning. Vehicles, 2020, 2, 267-286.	3.1	14
1185	Neuromorphic Engineering for Hardware Computational Acceleration and Biomimetic Perception Motion Integration. Advanced Intelligent Systems, 2020, 2, 2000124.	6.1	17

#	ARTICLE	IF	CITATIONS
1186	Control of superheat of organic Rankine cycle under transient heat source based on deep reinforcement learning. Applied Energy, 2020, 278, 115637.	10.1	31
1187	Deep deterministic portfolio optimization. Journal of Finance and Data Science, 2020, 6, 16-30.	3.2	12
1188	Lessons from reinforcement learning for biological representations of space. Vision Research, 2020, 174, 79-93.	1.4	3
1189	Defect Detection of Industry Wood Veneer Based on NAS and Multi-Channel Mask R-CNN. Sensors, 2020, 20, 4398.	3.8	60
1190	Improving the accuracy of medical diagnosis with causal machine learning. Nature Communications, 2020, 11, 3923.	12.8	206
1191	Deep Reinforcement Learning Algorithm Based on Optimal Energy Dispatching for Microgrid. , 2020, , .		5
1192	Smart Products: Conceptual Review, Synthesis, and Research Directions*. Journal of Product Innovation Management, 2020, 37, 379-404.	9.5	92
1193	Understanding the future of Deep Reinforcement Learning from the perspective of Game Theory. Journal of Physics: Conference Series, 2020, 1453, 012076.	0.4	2
1194	Allosteric Regulation at the Crossroads of New Technologies: Multiscale Modeling, Networks, and Machine Learning. Frontiers in Molecular Biosciences, 2020, 7, 136.	3.5	44
1195	Spatio-temporal feature fusion for dynamic taxi route recommendation via deep reinforcement learning. Knowledge-Based Systems, 2020, 205, 106302.	7.1	36
1196	Physics for neuromorphic computing. Nature Reviews Physics, 2020, 2, 499-510.	26.6	422
1197	Unanswerable Questions About Images and Texts. Frontiers in Artificial Intelligence, 2020, 3, 51.	3.4	4
1198	Interpretable policy derivation for reinforcement learning based on evolutionary feature synthesis. Complex & Intelligent Systems, 2020, 6, 741-753.	6.5	11
1199	A Survey of Planning and Learning in Games. Applied Sciences (Switzerland), 2020, 10, 4529.	2.5	14
1200	Deep Reinforcement Learning for the Management of Software-Defined Networks and Network Function Virtualization in an Edge-IoT Architecture. Sustainability, 2020, 12, 5706.	3.2	17
1201	A field-programmable gate array system for sonar image recognition based on convolutional neural network. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2021, 235, 1808-1818.	1.0	3
1202	High-performance stock index trading via neural networks and trees. Applied Soft Computing Journal, 2020, 96, 106567.	7.2	19
1203	Evolutionary reinforcement learning of dynamical large deviations. Journal of Chemical Physics, 2020, 153, 044113.	3.0	18

#	ARTICLE	IF	CITATIONS
1204	Multi-task deep learning of near infrared spectra for improved grain quality trait predictions. Journal of Near Infrared Spectroscopy, 2020, 28, 275-286.	1.5	20
1205	Knowledge-primed neural networks enable biologically interpretable deep learning on single-cell sequencing data. Genome Biology, 2020, 21, 190.	8.8	67
1206	Continual Reinforcement Learning in 3D Non-stationary Environments. , 2020, , .		12
1207	Continual Learning for Anomaly Detection in Surveillance Videos. , 2020, , .		64
1208	Driving on Highway by Using Reinforcement Learning with CNN and LSTM Networks. , 2020, , .		5
1209	Photonic Perceptron Based on a Kerr Microcomb for High-Speed, Scalable, Optical Neural Networks. Laser and Photonics Reviews, 2020, 14, 2000070.	8.7	84
1210	Unbiased identification of novel subclinical imaging biomarkers using unsupervised deep learning. Scientific Reports, 2020, 10, 12954.	3.3	22
1211	Construction of an indoor radio environment map using gradient boosting decision tree. Wireless Networks, 2020, 26, 6215-6236.	3.0	18
1212	An In-Network Architecture for Accelerating Shared-Memory Multiprocessor Collectives. , 2020, , .		31
1213	Strength Adjustment and Assessment for MCTS-Based Programs [Research Frontier]. IEEE Computational Intelligence Magazine, 2020, 15, 60-73.	3.2	4
1214	Sample Efficient Reinforcement Learning Method via High Efficient Episodic Memory. IEEE Access, 2020, 8, 129274-129284.	4.2	13
1215	A Review of Face Recognition Technology. IEEE Access, 2020, 8, 139110-139120.	4.2	136
1216	Conscious Machines: A Possibility? If So, How?. Journal of Artificial Intelligence and Consciousness, 2020, 07, 183-198.	1.2	3
1217	Dependable Deep Learning: Towards Cost-Efficient Resilience of Deep Neural Network Accelerators against Soft Errors and Permanent Faults. , 2020, , .		7
1218	Do We Trust in AI? Role of Anthropomorphism and Intelligence. Journal of Computer Information Systems, 2021, 61, 481-491.	2.9	37
1219	Building Thinking Machines by Solving Animal Cognition Tasks. Minds and Machines, 2020, 30, 589-615.	4.8	15
1220	Variational Quantum Circuits for Deep Reinforcement Learning. IEEE Access, 2020, 8, 141007-141024.	4.2	134
1221	Machine learning in additive manufacturing: State-of-the-art and perspectives. Additive Manufacturing, 2020, 36, 101538.	3.0	230

#	ARTICLE	IF	CITATIONS
1222	Real-world Robot Reaching Skill Learning Based on Deep Reinforcement Learning. , 2020, , .		2
1223	Optimal control with deep reinforcement learning for shunt compensations to enhance voltage stability. , 2020, , .		1
1224	Research on Topology Planning for Wireless Mesh Networks Based on Deep Reinforcement Learning. , 2020, , .		1
1225	Cooperative channel assignment for VANETs based on multiagent reinforcement learning. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 1047-1058.	2.6	6
1226	Fast reinforcement learning with generalized policy updates. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30079-30087.	7.1	33
1227	Vehicle Control with Prediction Model Based Monte-Carlo Tree Search. , 2020, , .		1
1228	Understanding exploration in humans and machines by formalizing the function of curiosity. Current Opinion in Behavioral Sciences, 2020, 35, 118-124.	3.9	12
1229	Anti-push Method of Biped Robot Based on Motion Capture Point and Reinforcement Learning. , 2020, , .		0
1230	Towards Quantifying Intrinsic Generalization of Deep ReLU Networks. , 2020, , .		0
1231	DECIMER: towards deep learning for chemical image recognition. Journal of Cheminformatics, 2020, 12, 65.	6.1	41
1232	A Generic Markov Decision Process Model and Reinforcement Learning Method for Scheduling Agile Earth Observation Satellites. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1463-1474.	9.3	40
1233	Design of an Artificial Game Entertainer by Reinforcement Learning. , 2020, , .		1
1234	Manipulating the Distributions of Experience used for Self-Play Learning in Expert Iteration. , 2020, , .		4
1235	Factored Radix-8 Systolic Array for Tensor Processing. , 2020, , .		8
1236	Cooperative Multi-Agent Deep Reinforcement Learning with Counterfactual Reward. , 2020, , .		2
1237	Deep learning-assisted comparative analysis of animal trajectories with DeepHL. Nature Communications, 2020, 11, 5316.	12.8	36
1238	Model Predictive Control Guided Reinforcement Learning Control Scheme. , 2020, , .		8
1239	An Improved Minimax-Q Algorithm Based on Generalized Policy Iteration to Solve a Chaser-Invader Game. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
1240	Circuits and Architectures for In-Memory Computing-Based Machine Learning Accelerators. IEEE Micro, 2020, 40, 8-22.	1.8	18
1241	Against neuroclassicism: On the perils of armchair neuroscience. Mind and Language, 2022, 37, 329-355.	2.3	1
1242	Multistage opto-neuromorphic process system based on commercial optoelectric devices. Current Applied Physics, 2020, 20, 1125-1129.	2.4	4
1243	Deep Reinforcement Learning for Traveling Salesman Problem with Time Windows and Rejections. , 2020, , .		18
1244	Deep Learning Based Poisson Solver in Particle Simulation of PN Junction with Transient ESD Excitation. , 2020, , .		1
1245	Integral Investing. , 2020, , .		9
1246	Controlling Rayleigh-Bénard convection via reinforcement learning. Journal of Turbulence, 2020, 21, 585-605.	1.4	49
1247	Robust Reinforcement Learning-based Autonomous Driving Agent for Simulation and Real World. , 2020, , .		10
1248	Prioritized Experience Replay in Multi-Actor-Attention-Critic for Reinforcement Learning. Journal of Physics: Conference Series, 2020, 1631, 012040.	0.4	0
1249	The Genius of the 'Original Imitation Game' Test. Minds and Machines, 2020, 30, 469-486.	4.8	2
1250	An OpenSim guided tour in machine learning for e-health applications. , 2020, , 57-75.		1
1251	Accelerating Chip Design With Machine Learning. IEEE Micro, 2020, 40, 23-32.	1.8	30
1252	Direct Cell Counting Using Macro-Scale Smartphone Images of Cell Aggregates. IEEE Access, 2020, 8, 170033-170043.	4.2	5
1253	Class-Incremental Learning of Convolutional Neural Networks Based on Double Consolidation Mechanism. IEEE Access, 2020, 8, 172553-172562.	4.2	1
1254	Nuclear Power Plants With Artificial Intelligence in Industry 4.0 Era: Top-Level Design and Current Applications—A Systemic Review. IEEE Access, 2020, 8, 194315-194332.	4.2	33
1255	Deep Q-learning for the Control of PLC-based Automated Production Systems. , 2020, , .		5
1256	Mastering Fighting Game Using Deep Reinforcement Learning With Self-play. , 2020, , .		5
1257	GCN-RL Circuit Designer: Transferable Transistor Sizing with Graph Neural Networks and Reinforcement Learning. , 2020, , .		126

#	ARTICLE	IF	CITATIONS
1258	A Conceptual Framework for Stochastic Neuromorphic Computing. IEEE Design and Test, 2020, , 1-1.	1.2	3
1259	Distributed Non-Communicating Multi-Robot Collision Avoidance via Map-Based Deep Reinforcement Learning. Sensors, 2020, 20, 4836.	3.8	22
1260	Optimizing the Post-Disaster Control of Islanded Microgrid: A Multi-Agent Deep Reinforcement Learning Approach. IEEE Access, 2020, 8, 153455-153469.	4.2	29
1261	Multi-Agent Decision Processes for Space-Based Battle Management, Command & Control Systems. , 2020, , .		1
1262	Imperfect and Cooperative Guandan Game System. , 2020, , .		1
1263	Exploring the Use of Machine Learning as Game Mechanic “ Demonstrative Learning Multiplayer Game Prototype. , 2020, , .		1
1264	A Parallel Framework of Adaptive Dynamic Programming Algorithm With Off-Policy Learning. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3578-3587.	11.3	13
1265	Machine learning and structural econometrics: contrasts and synergies. Econometrics Journal, 2020, 23, S81-S124.	2.3	15
1266	Research on integrated computer game algorithm for dots and boxes. Journal of Engineering, 2020, 2020, 601-606.	1.1	1
1267	UAS Conflict Resolution in Continuous Action Space Using Deep Reinforcement Learning. , 2020, , .		6
1268	Collaborative Robot-Assisted Endovascular Catheterization with Generative Adversarial Imitation Learning. , 2020, , .		43
1269	Research on BIM Building Space Design under the Background of Internet of Things. , 2020, , .		0
1270	An adaptive deep reinforcement learning framework enables curling robots with human-like performance in real-world conditions. Science Robotics, 2020, 5, .	17.6	42
1271	Artificial Neural Networks for Neuroscientists: A Primer. Neuron, 2020, 107, 1048-1070.	8.1	148
1272	Dynamic Actor-Advisor Programming for Scalable Safe Reinforcement Learning. , 2020, , .		4
1273	Reinforcement Learning Based Control Design for a Floating Piston Pneumatic Gearbox Actuator. IEEE Access, 2020, 8, 147295-147312.	4.2	9
1274	Mastering the Working Sequence in Human-Robot Collaborative Assembly Based on Reinforcement Learning. IEEE Access, 2020, 8, 163868-163877.	4.2	31
1275	K-EmoCon, a multimodal sensor dataset for continuous emotion recognition in naturalistic conversations. Scientific Data, 2020, 7, 293.	5.3	62

#	ARTICLE	IF	CITATIONS
1276	Towards efficient discovery of green synthetic pathways with Monte Carlo tree search and reinforcement learning. Chemical Science, 2020, 11, 10959-10972.	7.4	31
1277	Deep Merging: Vehicle Merging Controller Based on Deep Reinforcement Learning with Embedding Network. , 2020, , .		13
1278	Testing Randomness Using Artificial Neural Network. IEEE Access, 2020, 8, 163685-163693.	4.2	11
1279	Operational Index Evaluation Based on Greedy Strategy in a Combat of Multi-Arms. , 2020, , .		0
1280	Considerations for Comparing Video Game AI Agents with Humans. Challenges, 2020, 11, 18.	1.7	3
1281	Enhanced Rolling Horizon Evolution Algorithm With Opponent Model Learning: Results for the Fighting Game AI Competition. IEEE Transactions on Games, 2023, 15, 5-15.	1.4	12
1282	An Edge Based Multi-Agent Auto Communication Method for Traffic Light Control. Sensors, 2020, 20, 4291.	3.8	18
1283	A Moist Physics Parameterization Based on Deep Learning. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002076.	3.8	59
1284	Deep Reinforcement Learning for General Game Playing. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1701-1708.	4.9	18
1285	Reinforcement Learning with Imitation for Cavity Filter Tuning. , 2020, , .		3
1286	A Framework for Multi-Agent UAV Exploration and Target-Finding in GPS-Denied and Partially Observable Environments. Sensors, 2020, 20, 4739.	3.8	18
1287	Multilayer optical thin film design with deep Q learning. Scientific Reports, 2020, 10, 12780.	3.3	28
1288	Coordinated crawling via reinforcement learning. Journal of the Royal Society Interface, 2020, 17, 20200198.	3.4	4
1289	Reinforcement Learning-Based Motion Planning for Automatic Parking System. IEEE Access, 2020, 8, 154485-154501.	4.2	38
1290	A Survey on Visual Navigation for Artificial Agents With Deep Reinforcement Learning. IEEE Access, 2020, 8, 135426-135442.	4.2	52
1291	An Enhanced Deep Reinforcement Learning Algorithm for Decoupling Capacitor Selection in Power Distribution Network Design. , 2020, , .		14
1292	An Insulin Bolus Advisor for Type 1 Diabetes Using Deep Reinforcement Learning. Sensors, 2020, 20, 5058.	3.8	35
1293	Contrasting Classical and Machine Learning Approaches in the Estimation of Value-Added Scores in Large-Scale Educational Data. Frontiers in Psychology, 2020, 11, 2190.	2.1	7

#	ARTICLE	IF	CITATIONS
1294	DeepWiERL: Bringing Deep Reinforcement Learning to the Internet of Self-Adaptive Things. , 2020, , .		18
1295	Significant Sampling for Shortest Path Routing: A Deep Reinforcement Learning Solution. IEEE Journal on Selected Areas in Communications, 2020, 38, 2234-2248.	14.0	23
1296	Exchangeable Input Representations for Reinforcement Learning. , 2020, , .		1
1297	Raven: Scheduling Virtual Machine Migration During Datacenter Upgrades with Reinforcement Learning. Mobile Networks and Applications, 2022, 27, 303-314.	3.3	3
1298	The State Space of Artificial Intelligence. Minds and Machines, 2020, 30, 325-347.	4.8	12
1299	You Only Search Once: Single Shot Neural Architecture Search via Direct Sparse Optimization. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2891-2904.	13.9	21
1300	Recent Advances on Neuromorphic Devices Based on Chalcogenide Phase-Change Materials. Advanced Functional Materials, 2020, 30, 2003419.	14.9	144
1301	Smooth Actor-Critic Algorithm for End-to-End Autonomous Driving. , 2020, , .		2
1302	Finding the ground state of spin Hamiltonians with reinforcement learning. Nature Machine Intelligence, 2020, 2, 509-517.	16.0	17
1303	Knowledge Federation: A Unified and Hierarchical Privacy-Preserving AI Framework. , 2020, , .		4
1304	In-Memory Logic Operations and Neuromorphic Computing in Non-Volatile Random Access Memory. Materials, 2020, 13, 3532.	2.9	31
1305	Eagle: Refining Congestion Control by Learning from the Experts. , 2020, , .		27
1306	Cooperative Highway Work Zone Merge Control Based on Reinforcement Learning in a Connected and Automated Environment. Transportation Research Record, 2020, 2674, 363-374.	1.9	19
1307	DRLViz: Understanding Decisions and Memory in Deep Reinforcement Learning. Computer Graphics Forum, 2020, 39, 49-61.	3.0	15
1308	Monte-Carlo Tree Search in Continuous Action Spaces with Value Gradients. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 4561-4568.	4.9	9
1309	Making deep neural networks right for the right scientific reasons by interacting with their explanations. Nature Machine Intelligence, 2020, 2, 476-486.	16.0	91
1310	An Internal Covariate Shift Bounding Algorithm for Deep Neural Networks by Unitizing Layersâ€™ Outputs. , 2020, , .		2
1311	Using Games to Study Law of Motions in Mind. IEEE Access, 2020, 8, 138701-138709.	4.2	21

#	ARTICLE	IF	CITATIONS
1312	Survey of Multi-Agent Strategy Based on Reinforcement Learning. , 2020, , .		4
1313	Energy-Efficient Ultra-Dense Network using Deep Reinforcement Learning. , 2020, , .		10
1314	Development of a Reinforcement Learning Inspired Monte Carlo Tree Search Design Optimization Algorithm for Fixed-Wing VTOL UAV Propellers. , 2020, , .		1
1315	Application of Systems Engineering Principles and Techniques in Biological Big Data Analytics: A Review. Processes, 2020, 8, 951.	2.8	10
1316	Straight to the Point: Fast-Forwarding Videos via Reinforcement Learning Using Textual Data. , 2020, , .		4
1317	Learning Generative State Space Models for Active Inference. Frontiers in Computational Neuroscience, 2020, 14, 574372.	2.1	24
1318	Interactive Robot for Playing Russian Checkers. Robotics, 2020, 9, 107.	3.5	3
1319	Deep Reinforcement Learning for Traffic Signal Control: A Review. IEEE Access, 2020, 8, 208016-208044.	4.2	54
1320	Cooperative Control for Multi-Intersection Traffic Signal Based on Deep Reinforcement Learning and Imitation Learning. IEEE Access, 2020, 8, 199573-199585.	4.2	14
1321	Training a Gaming Agent on Brainwaves. IEEE Transactions on Games, 2020, , 1-1.	1.4	2
1322	A Gentle Introduction to Reinforcement Learning and its Application in Different Fields. IEEE Access, 2020, 8, 209320-209344.	4.2	73
1323	Two-Stage Model Compression and Acceleration: Optimal Student Network for Better Performance. IEEE Access, 2020, 8, 217816-217829.	4.2	0
1324	PlanLight: Learning to Optimize Traffic Signal Control With Planning and Iterative Policy Improvement. IEEE Access, 2020, 8, 219244-219255.	4.2	4
1325	Design and Implementation of Intelligent Chinese Chess System Device. , 2020, , .		1
1326	BIT: A Blockchain Integrated Time Banking System for Community Exchange Economy. , 2020, , .		1
1327	Research Statement. , 2020, , .		0
1328	Learning the Car-following Behavior of Drivers Using Maximum Entropy Deep Inverse Reinforcement Learning. Journal of Advanced Transportation, 2020, 2020, 1-13.	1.7	16
1329	Data Efficient Reinforcement Learning for Integrated Lateral Planning and Control in Automated Parking System. Sensors, 2020, 20, 7297.	3.8	15

#	ARTICLE	IF	CITATIONS
1330	Explainable Artificial Intelligence: Objectives, Stakeholders, and Future Research Opportunities. Information Systems Management, 2022, 39, 53-63.	5.7	139
1331	Research on Image Recognition of Machine Tool Based on Semantic Segmentation. Journal of Physics: Conference Series, 2020, 1646, 012147.	0.4	0
1332	Off-policy adversarial imitation learning for robotic tasks with low-quality demonstrations. Applied Soft Computing Journal, 2020, 97, 106795.	7.2	6
1333	Mastering Atari, Go, chess and shogi by planning with a learned model. Nature, 2020, 588, 604-609.	27.8	570
1334	Will We Ever Have Conscious Machines?. Frontiers in Computational Neuroscience, 2020, 14, 556544.	2.1	18
1335	Potential Neural Mediators of Mom Power Parenting Intervention Effects on Maternal Intersubjectivity and Stress Resilience. Frontiers in Psychiatry, 2020, 11, 568824.	2.6	16
1336	GANs for generating EFT models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135798.	4.1	9
1337	Artificial intelligence method for predicting the maximum stress of an off-center casing under non-uniform ground stress with support vector machine. Science China Technological Sciences, 2020, 63, 2553-2561.	4.0	22
1338	Neuron Blockchain Algorithm for Legal Problems in Inheritance of Legacy. Electronics (Switzerland), 2020, 9, 1595.	3.1	5
1339	Exploring Unknown States with Action Balance. , 2020, , .		1
1340	Informatical Analysis of Go, Part 1: Evolutionary Changes of Board Size. , 2020, , .		1
1341	The FESS Algorithm: A Feature Based Approach to Single-Agent Search. , 2020, , .		2
1342	AI for Computer Architecture: Principles, Practice, and Prospects. Synthesis Lectures on Computer Architecture, 2020, 15, 1-142.	1.3	0
1343	Notice of Retraction: Integrated Double Estimator Architecture for Reinforcement Learning. IEEE Transactions on Cybernetics, 2022, 52, 1-12.	9.5	5
1344	An Efficient Parameter-Free Learning Automaton Scheme. IEEE Transactions on Neural Networks and Learning Systems, 2020, 32, 1-15.	11.3	4
1345	Machine Learning-Based Unbalance Detection of a Rotating Shaft Using Vibration Data. , 2020, , .		18
1346	Evolving Near Optimal Kiting Behavior with an Anchor Point Parameterization. , 2020, , .		3
1347	Design of a Reinforcement Learning-Based Lane Keeping Planning Agent for Automated Vehicles. Applied Sciences (Switzerland), 2020, 10, 7171.	2.5	25

#	ARTICLE	IF	CITATIONS
1348	Twenty Years Beyond the Turing Test: Moving Beyond the Human Judges Too. Minds and Machines, 2020, 30, 533-562.	4.8	4
1349	Fairness Control of Traffic Light via Deep Reinforcement Learning. , 2020, , .		8
1350	A survey on deep learning in DNA/RNA motif mining. Briefings in Bioinformatics, 2021, 22, .	6.5	59
1351	Guiding Multiplayer MCTS by Focusing on Yourself. , 2020, , .		7
1352	Novelty-Guided Reinforcement Learning via Encoded Behaviors. , 2020, , .		2
1353	Mobile Robot Path Planning in Dynamic Environments Through Globally Guided Reinforcement Learning. IEEE Robotics and Automation Letters, 2020, 5, 6932-6939.	5.1	118
1354	Hardware-Level Thread Migration to Reduce On-Chip Data Movement Via Reinforcement Learning. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 3638-3649.	2.7	4
1355	Self-Adaptive Priority Correction for Prioritized Experience Replay. Applied Sciences (Switzerland), 2020, 10, 6925.	2.5	10
1356	A Deep Reinforcement Learning Framework for Architectural Exploration: A Routerless NoC Case Study. , 2020, , .		17
1357	Fuzzy Inference Enabled Deep Reinforcement Learning-Based Traffic Light Control for Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4919-4928.	8.0	79
1358	User Mobility Synthesis based on Generative Adversarial Networks: A Survey. , 2020, , .		6
1359	A framework based on (probabilistic) soft logic and neural network for NLP. Applied Soft Computing Journal, 2020, 93, 106232.	7.2	11
1360	Machine learning in materials genome initiative: A review. Journal of Materials Science and Technology, 2020, 57, 113-122.	10.7	110
1361	Quantum adiabatic algorithm design using reinforcement learning. Physical Review A, 2020, 101, .	2.5	25
1362	Deep Neural Evolution. Natural Computing Series, 2020, , .	2.2	15
1363	Accelerated design and characterization of non-uniform cellular materials via a machine-learning based framework. Npj Computational Materials, 2020, 6, .	8.7	41
1364	Enhanced Coordinated Operations of Electric Power and Transportation Networks via EV Charging Services. IEEE Transactions on Smart Grid, 2020, 11, 3019-3030.	9.0	87
1365	Driving Maneuvers Prediction Based Autonomous Driving Control by Deep Monte Carlo Tree Search. IEEE Transactions on Vehicular Technology, 2020, 69, 7146-7158.	6.3	25

#	ARTICLE	IF	CITATIONS
1366	Deep reinforcement learning in fluid mechanics: A promising method for both active flow control and shape optimization. Journal of Hydrodynamics, 2020, 32, 234-246.	3.2	64
1367	Using deep learning to recognize liquid–liquid flow patterns in microchannels. AIChE Journal, 2020, 66, e16260.	3.6	23
1368	Automatic Virtual Network Embedding: A Deep Reinforcement Learning Approach With Graph Convolutional Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1040-1057.	14.0	145
1369	Intelligent, Autonomous Machines in Surgery. Journal of Surgical Research, 2020, 253, 92-99.	1.6	21
1370	Learning physical properties of liquid crystals with deep convolutional neural networks. Scientific Reports, 2020, 10, 7664.	3.3	44
1371	Learning to grow: Control of material self-assembly using evolutionary reinforcement learning. Physical Review E, 2020, 101, 052604.	2.1	36
1372	Learning self-play agents for combinatorial optimization problems. Knowledge Engineering Review, 2020, 35, .	2.6	4
1373	Two-Level Data Compression using Machine Learning in Time Series Database. , 2020, , .		14
1374	SSM: a high-performance scheme for in situ training of imprecise memristor neural networks. Neurocomputing, 2020, 407, 270-280.	5.9	12
1375	Biosystems Design by Machine Learning. ACS Synthetic Biology, 2020, 9, 1514-1533.	3.8	76
1376	Combining a gradient-based method and an evolution strategy for multi-objective reinforcement learning. Applied Intelligence, 2020, 50, 3301-3317.	5.3	10
1377	Throwing light on black boxes: emergence of visual categories from deep learning. Synthese, 2021, 198, 10021-10041.	1.1	3
1378	Deep learning for fabrication and maturation of 3D bioprinted tissues and organs. Virtual and Physical Prototyping, 2020, 15, 340-358.	10.4	79
1379	UVI Image Segmentation of Auroral Oval: Dual Level Set and Convolutional Neural Network Based Approach. Applied Sciences (Switzerland), 2020, 10, 2590.	2.5	2
1380	Improved Feature Learning: A Maximum-Average-Out Deep Neural Network for the Game Go. Mathematical Problems in Engineering, 2020, 2020, 1-6.	1.1	3
1381	Generative Design by Using Exploration Approaches of Reinforcement Learning in Density-Based Structural Topology Optimization. Designs, 2020, 4, 10.	2.4	26
1383	An intelligent nonlinear meta element for elastoplastic continua: deep learning using a new Time-distributed Residual U-Net architecture. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113088.	6.6	39
1384	Exploiting Bias for Cooperative Planning in Multi-Agent Tree Search. IEEE Robotics and Automation Letters, 2020, 5, 1819-1826.	5.1	3

#	ARTICLE	IF	CITATIONS
1385	Climatology and Variability of Warm and Cold Fronts over North America from 1979 to 2018. Journal of Climate, 2020, 33, 6531-6554.	3.2	15
1386	Deep learning for predicting the occurrence of cardiopulmonary diseases in Nanjing, China. Chemosphere, 2020, 257, 127176.	8.2	13
1387	Systematizing heterogeneous expert knowledge, scenarios and goals via a goal-reasoning artificial intelligence agent for democratic urban land use planning. Cities, 2020, 101, 102703.	5.6	11
1388	An intelligent task offloading algorithm (iTOA) for UAV edge computing network. Digital Communications and Networks, 2020, 6, 433-443.	5.0	48
1389	Theoretical and experimental analysis on the generalizability of distribution regression network. Neurocomputing, 2020, 401, 257-270.	5.9	0
1390	MRCDDL: Multi-robot coordination with deep reinforcement learning. Neurocomputing, 2020, 406, 68-76.	5.9	29
1391	An up-to-date overview of computational polypharmacology in modern drug discovery. Expert Opinion on Drug Discovery, 2020, 15, 1025-1044.	5.0	44
1392	Real-time order dispatching for a fleet of autonomous mobile robots using multi-agent reinforcement learning. CIRP Annals - Manufacturing Technology, 2020, 69, 397-400.	3.6	42
1393	A Monte Carlo Search-Based Triplet Sampling Method for Learning Disentangled Representation of Impulsive Noise on Steering Gear. , 2020, , .		5
1394	Deep reinforcement learning for long-term pavement maintenance planning. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1230-1245.	9.8	85
1395	GRATIS: GeneRATING Time Series with diverse and controllable characteristics. Statistical Analysis and Data Mining, 2020, 13, 354-376.	2.8	64
1396	Towards an intelligent photonic system. Science China Information Sciences, 2020, 63, 1.	4.3	7
1397	Distance-based classifier on the Quantum Inspire. Digitale Welt, 2020, 4, 85-91.	0.3	7
1398	Chemists: AI Is Here; Unite To Get the Benefits. Journal of Medicinal Chemistry, 2020, 63, 8695-8704.	6.4	28
1399	Interpret Neural Networks by Extracting Critical Subnetworks. IEEE Transactions on Image Processing, 2020, 29, 6707-6720.	9.8	3
1400	A closed-loop healthcare processing approach based on deep reinforcement learning. Multimedia Tools and Applications, 2022, 81, 3107-3129.	3.9	10
1401	Deep active inference as variational policy gradients. Journal of Mathematical Psychology, 2020, 96, 102348.	1.8	50
1402	Reliable Computational Prediction of the Supramolecular Ordering of Complex Molecules under Electrochemical Conditions. Journal of Chemical Theory and Computation, 2020, 16, 5227-5243.	5.3	5

#	ARTICLE	IF	CITATIONS
1403	High-Throughput Convolutional Neural Network on an FPGA by Customized JPEG Compression. , 2020, , .		25
1404	Indoor Navigation with Deep Reinforcement Learning. , 2020, , .		6
1405	Norm-Preservation: Why Residual Networks Can Become Extremely Deep?. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 3980-3990.	13.9	34
1406	Adaptive stock trading strategies with deep reinforcement learning methods. Information Sciences, 2020, 538, 142-158.	6.9	110
1407	Artificial intelligence and machine learning approaches to energy demand-side response: A systematic review. Renewable and Sustainable Energy Reviews, 2020, 130, 109899.	16.4	253
1408	Prediction of Natural Product Classes Using Machine Learning and ¹³ C NMR Spectroscopic Data. Journal of Chemical Information and Modeling, 2020, 60, 3376-3386.	5.4	34
1409	A deep reinforcement learning approach for chemical production scheduling. Computers and Chemical Engineering, 2020, 141, 106982.	3.8	89
1410	Hierarchical reinforcement learning for self-driving decision-making without reliance on labelled driving data. IET Intelligent Transport Systems, 2020, 14, 297-305.	3.0	107
1411	Alpha C2â€“An Intelligent Air Defense Commander Independent of Human Decision-Making. IEEE Access, 2020, 8, 87504-87516.	4.2	15
1412	Deep reinforcement learning for a color-batching resequencing problem. Journal of Manufacturing Systems, 2020, 56, 175-187.	13.9	25
1413	IConMHC: a deep learning convolutional neural network model to predict peptide and MHC-I binding affinity. Immunogenetics, 2020, 72, 295-304.	2.4	4
1414	Reinforcement learning for an intelligent and autonomous production control of complex job-shops under time constraints. Production Engineering, 2020, 14, 319-328.	2.3	39
1415	Corridor segmentation for automatic robot navigation in indoor environment using edge devices. Computer Networks, 2020, 178, 107374.	5.1	11
1416	An intelligent financial portfolio trading strategy using deep Q-learning. Expert Systems With Applications, 2020, 158, 113573.	7.6	46
1417	Application of Internet of Things to Live Logging of Chinese Chess. , 2020, , .		0
1418	Improved reinforcement learning with curriculum. Expert Systems With Applications, 2020, 158, 113515.	7.6	4
1419	Self-organization of action hierarchy and compositionality by reinforcement learning with recurrent neural networks. Neural Networks, 2020, 129, 149-162.	5.9	10
1420	Sampling Rate Decay in Hindsight Experience Replay for Robot Control. IEEE Transactions on Cybernetics, 2022, 52, 1515-1526.	9.5	12

#	ARTICLE	IF	CITATIONS
1421	Reducing Estimation Bias via Triplet-Average Deep Deterministic Policy Gradient. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4933-4945.	11.3	34
1422	An effective maximum entropy exploration approach for deceptive game in reinforcement learning. Neurocomputing, 2020, 403, 98-108.	5.9	4
1425	Machine learning-assisted enzyme engineering. Methods in Enzymology, 2020, 643, 281-315.	1.0	59
1426	A survey of safety and trustworthiness of deep neural networks: Verification, testing, adversarial attack and defence, and interpretability. Computer Science Review, 2020, 37, 100270.	15.3	203
1427	Cooperative control for multi-player pursuit-evasion games with reinforcement learning. Neurocomputing, 2020, 412, 101-114.	5.9	62
1428	Gesture recognition using a bioinspired learning architecture that integrates visual data with somatosensory data from stretchable sensors. Nature Electronics, 2020, 3, 563-570.	26.0	298
1429	Artificial Intelligence and Management: The Automation-Augmentation Paradox. Academy of Management Review, 0, , .	11.7	53
1430	Digital Normativity: A Challenge for Human Subjectivation. Frontiers in Artificial Intelligence, 2020, 3, 27.	3.4	4
1431	Reinforcement Learning and Graph Embedding for Binary Truss Topology Optimization Under Stress and Displacement Constraints. Frontiers in Built Environment, 2020, 6, .	2.3	27
1432	Use of artificial intelligence in infectious diseases. , 2020, , 415-438.		78
1433	Deep Learning on Graphs: A Survey. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 249-270.	5.7	552
1434	Toward a unified framework for interpreting machine-learning models in neuroimaging. Nature Protocols, 2020, 15, 1399-1435.	12.0	88
1435	Deep Spiking Neural Networks for Large Vocabulary Automatic Speech Recognition. Frontiers in Neuroscience, 2020, 14, 199.	2.8	59
1436	Redeployment or robocalypse? Workers and automation in Ohio manufacturing SMEs. Cambridge Journal of Regions, Economy and Society, 2020, 13, 99-115.	3.0	8
1437	Minimalistic Attacks: How Little It Takes to Fool Deep Reinforcement Learning Policies. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 806-817.	3.8	17
1438	Exploration of Long Time-of-Flight Three-Body Transfers Using Deep Reinforcement Learning. , 2020, , .		2
1439	Technology, Anthropology, and Dimensions of Responsibility. Techno:Phil, 2020, , .	0.3	2
1440	Q-Learning: Theory and Applications. Annual Review of Statistics and Its Application, 2020, 7, 279-301.	7.0	112

#	ARTICLE	IF	CITATIONS
1441	RLBench: The Robot Learning Benchmark & Learning Environment. IEEE Robotics and Automation Letters, 2020, 5, 3019-3026.	5.1	89
1442	Operating a treatment planning system using a deep reinforcement learning-based virtual treatment planner for prostate cancer intensity-modulated radiation therapy treatment planning. Medical Physics, 2020, 47, 2329-2336.	3.0	52
1443	ALSTM: An attention-based long short-term memory framework for knowledge base reasoning. Neurocomputing, 2020, 399, 342-351.	5.9	23
1444	Deep Learning for Feynman's Path Integral in Strong-Field Time-Dependent Dynamics. Physical Review Letters, 2020, 124, 113202.	7.8	99
1445	Artificial-intelligence-driven scanning probe microscopy. Communications Physics, 2020, 3, .	5.3	92
1446	An alternative to backpropagation through time. Nature Machine Intelligence, 2020, 2, 155-156.	16.0	8
1447	Playtesting in Match 3 Game Using Strategic Plays via Reinforcement Learning. IEEE Access, 2020, 8, 51593-51600.	4.2	12
1448	Machine Learning Computers With Fractal von Neumann Architecture. IEEE Transactions on Computers, 2020, 69, 998-1014.	3.4	7
1449	Efficient Construction of a Chemical Reaction Network Guided By a Monte Carlo Tree Search. ChemSystemsChem, 2020, 2, e1900057.	2.6	5
1450	The scenario coevolution paradigm: adaptive quality assurance for adaptive systems. International Journal on Software Tools for Technology Transfer, 2020, 22, 457-476.	1.9	13
1451	The Challenge of Modeling the Acquisition of Mathematical Concepts. Frontiers in Human Neuroscience, 2020, 14, 100.	2.0	9
1452	Mean Field Game Guided Deep Reinforcement Learning for Task Placement in Cooperative Multiaccess Edge Computing. IEEE Internet of Things Journal, 2020, 7, 9330-9340.	8.7	34
1453	An Adaptive Financial Trading System Using Deep Reinforcement Learning With Candlestick Decomposing Features. IEEE Access, 2020, 8, 63666-63678.	4.2	19
1454	DRiLLS: Deep Reinforcement Learning for Logic Synthesis. , 2020, , .		47
1455	Deep Q-Learning With Q-Matrix Transfer Learning for Novel Fire Evacuation Environment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7363-7381.	9.3	41
1456	Artificial intelligence as structural estimation: Deep Blue, Bonanza, and AlphaGo. Econometrics Journal, 2020, 23, S1-S24.	2.3	19
1457	Dynamic Beam Hopping Method Based on Multi-Objective Deep Reinforcement Learning for Next Generation Satellite Broadband Systems. IEEE Transactions on Broadcasting, 2020, 66, 630-646.	3.2	80
1458	Learning to learn from data: Using deep adversarial learning to construct optimal statistical procedures. Science Advances, 2020, 6, eaaw2140.	10.3	7

#	ARTICLE	IF	CITATIONS
1459	Efficient hindsight reinforcement learning using demonstrations for robotic tasks with sparse rewards. International Journal of Advanced Robotic Systems, 2020, 17, 172988141989834.	2.1	11
1460	Real-World Transfer for Real-World Robot Control Policy Learning with Deep Reinforcement Learning. Applied Sciences (Switzerland), 2020, 10, 1555.	2.5	14
1461	Adaptive Real-Time Offloading Decision-Making for Mobile Edges: Deep Reinforcement Learning Framework and Simulation Results. Applied Sciences (Switzerland), 2020, 10, 1663.	2.5	9
1462	The Algorithms of Distributed Learning and Distributed Estimation about Intelligent Wireless Sensor Network. Sensors, 2020, 20, 1302.	3.8	13
1463	Measuring the Quality of Explanations: The System Causability Scale (SCS). KI - Kunstliche Intelligenz, 2020, 34, 193-198.	3.2	173
1464	Mathematical Consistency and Long-Term Behaviour of a Dynamical System with a Self-Organising Vector Field. Journal of Dynamics and Differential Equations, 2022, 34, 63-78.	1.9	2
1465	Multiple birth support vector machine based on recurrent neural networks. Applied Intelligence, 2020, 50, 2280-2292.	5.3	11
1466	Memristive devices for deep learning applications. , 2020, , 313-327.		0
1467	Neuronal realizations based on memristive devices. , 2020, , 407-426.		0
1468	Learning the Game of <i>Go</i> by Scalable Network Without Prior Knowledge of Komi. IEEE Transactions on Games, 2020, 12, 187-198.	1.4	4
1469	Winning Is Not Everything: Enhancing Game Development With Intelligent Agents. IEEE Transactions on Games, 2020, 12, 199-212.	1.4	18
1470	Dynamic Network Pruning with Interpretable Layerwise Channel Selection. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 6299-6306.	4.9	26
1471	Multi-Agent Autonomous Operations in Urban Air Mobility with Communication Constraints. , 2020, , .		11
1472	Machine learning-based approach for automatically tuned feedback-controlled electromigration. AIP Advances, 2020, 10, .	1.3	3
1473	Hybrid Online and Offline Reinforcement Learning for Tibetan Jiu Chess. Complexity, 2020, 2020, 1-11.	1.6	4
1474	Proximal Distilled Evolutionary Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 3283-3290.	4.9	25
1475	Efficient Real-Time Traffic Generation for 5G RAN. , 2020, , .		3
1476	Neuromorphic computing with antiferromagnetic spintronics. Journal of Applied Physics, 2020, 128, .	2.5	40

#	ARTICLE	IF	CITATIONS
1477	Deinterleaving of Pulse Streams With Denoising Autoencoders. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4767-4778.	4.7	35
1478	The sounds of science—a symphony for many instruments and voices. Physica Scripta, 2020, 95, 062501.	2.5	9
1479	Machine intelligence and the data-driven future of marine science. ICES Journal of Marine Science, 2020, 77, 1274-1285.	2.5	82
1480	Creation and Manipulation of Quantized Vortices in Bose-Einstein Condensates Using Reinforcement Learning. Journal of the Physical Society of Japan, 2020, 89, 074006.	1.6	7
1481	Reinforcement learning applied to games. SN Applied Sciences, 2020, 2, 1.	2.9	3
1482	Machine learning enables design of on-chip integrated silicon T-junctions with footprint of $1.2\frac{1}{4}\mu\text{m}^2$ — $1.2\frac{1}{4}\mu\text{m}^2$. Nano Communication Networks, 2020, 25, 100312.	2.9	11
1483	Dialogue management in conversational agents through psychology of persuasion and machine learning. Multimedia Tools and Applications, 2020, 79, 35949-35971.	3.9	25
1484	Verification Plan Using Neural Algorithm Blockchain Smart Contract for Secure P2P Real Estate Transactions. Electronics (Switzerland), 2020, 9, 1052.	3.1	21
1485	Humans and Technology: Forms of Conjoined Agency in Organizations. Academy of Management Review, 2021, 46, 552-571.	11.7	126
1486	Decision analysis and reinforcement learning in surgical decision-making. Surgery, 2020, 168, 253-266.	1.9	18
1487	Overview of Phase-Change Materials Based Photonic Devices. IEEE Access, 2020, 8, 121211-121245.	4.2	44
1488	A Rapid, Accurate and Machine-Agnostic Segmentation and Quantification Method for CT-Based COVID-19 Diagnosis. IEEE Transactions on Medical Imaging, 2020, 39, 2638-2652.	8.9	149
1489	Robotics and Artificial Intelligence. , 2020, , 1-36.		3
1490	Deep-Learning-Enabled MXene-Based Artificial Throat: Toward Sound Detection and Speech Recognition. Advanced Materials Technologies, 2020, 5, 2000262.	5.8	45
1491	Power Allocation in Multi-User Cellular Networks: Deep Reinforcement Learning Approaches. IEEE Transactions on Wireless Communications, 2020, 19, 6255-6267.	9.2	137
1492	Discriminative Neural Network for Hero Selection in Professional <i>Heroes of the Storm</i> and <i>DOTA 2</i>. IEEE Transactions on Games, 2021, 13, 380-387.	1.4	6
1493	Artificial Intelligence for Cardiac Imaging-Genetics Research. Frontiers in Cardiovascular Medicine, 2020, 6, 195.	2.4	16
1494	3D CUBE Algorithm for the Key Generation Method: Applying Deep Neural Network Learning-Based. IEEE Access, 2020, 8, 33689-33702.	4.2	9

#	ARTICLE	IF	CITATIONS
1495	Petri-net-based dynamic scheduling of flexible manufacturing system via deep reinforcement learning with graph convolutional network. Journal of Manufacturing Systems, 2020, 55, 1-14.	13.9	111
1496	A Survey on Energy Management for Mobile and IoT Devices. IEEE Design and Test, 2020, 37, 7-24.	1.2	48
1497	From Apes to Cyborgs. , 2020, , .		1
1498	Neural network agent playing spin Hamiltonian games on a quantum computer. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 135303.	2.1	5
1499	Model-Free Control for Dynamic-Field Acoustic Manipulation Using Reinforcement Learning. IEEE Access, 2020, 8, 20597-20606.	4.2	13
1500	An Intelligent Deployment Policy for Deception Resources Based on Reinforcement Learning. IEEE Access, 2020, 8, 35792-35804.	4.2	18
1501	A model-based deep reinforcement learning method applied to finite-horizon optimal control of nonlinear control-affine system. Journal of Process Control, 2020, 87, 166-178.	3.3	41
1502	Improving Trust in Deep Neural Networks with Nearest Neighbors. , 2020, , .		3
1503	Maneuver Decision-Making of Deep Learning for UCAV Thorough Azimuth Angles. IEEE Access, 2020, 8, 12976-12987.	4.2	18
1504	Optimal Elevator Group Control via Deep Asynchronous Actor-Critic Learning. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5245-5256.	11.3	45
1505	Artificial Intelligence to Power the Future of Materials Science and Engineering. Advanced Intelligent Systems, 2020, 2, 1900143.	6.1	75
1506	Tianjic: A Unified and Scalable Chip Bridging Spike-Based and Continuous Neural Computation. IEEE Journal of Solid-State Circuits, 2020, 55, 2228-2246.	5.4	78
1507	Can artificial intelligence optimize case selection for hemi-England ablation?. BJU International, 2020, 125, 333-334.	2.5	1
1508	A Puzzle concerning Compositionality in Machines. Minds and Machines, 2020, 30, 47-75.	4.8	9
1509	From Chess and Atari to StarCraft and Beyond: How Game AI is Driving the World of AI. KI - Kunstliche Intelligenz, 2020, 34, 7-17.	3.2	33
1510	Artificial intelligence and machine learning for targeted energy storage solutions. Current Opinion in Electrochemistry, 2020, 21, 160-166.	4.8	33
1511	An adaptive deep reinforcement learning approach for MIMO PID control of mobile robots. ISA Transactions, 2020, 102, 280-294.	5.7	75
1512	Partial Observations and Conservation Laws: Gray-Box Modeling in Biotechnology and Optogenetics. Industrial & Engineering Chemistry Research, 2020, 59, 2611-2620.	3.7	15

#	ARTICLE	IF	CITATIONS
1513	Artificial Intelligence Explained for Nonexperts. Seminars in Musculoskeletal Radiology, 2020, 24, 003-011.	0.7	12
1514	Hierarchical Stochastic Optimization With Application to Parameter Tuning for Electronically Controlled Transmissions. IEEE Robotics and Automation Letters, 2020, 5, 628-635.	5.1	2
1515	FEA-Net: A physics-guided data-driven model for efficient mechanical response prediction. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112892.	6.6	47
1516	Improved day ahead heating demand forecasting by online correction methods. Energy and Buildings, 2020, 211, 109821.	6.7	28
1518	Data-Enabled Advancement of Computation in Engineering: A Robust Machine Learning Approach to Accelerating Variational Methods in Electromagnetics and Other Disciplines. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 626-630.	4.0	3
1519	Accelerating hybrid and compact neural networks targeting perception and control domains with coarse-grained dataflow reconfiguration. Journal of Semiconductors, 2020, 41, 022401.	3.7	5
1520	Coaching: accelerating reinforcement learning through human-assisted approach. Progress in Artificial Intelligence, 2020, 9, 155-169.	2.4	0
1521	Generating Stochastic Processes Through Convolutional Neural Networks. Journal of Control, Automation and Electrical Systems, 2020, 31, 294-303.	2.0	2
1522	Artificial intelligence using hyper-algebraic networks. Neurocomputing, 2020, 399, 414-448.	5.9	5
1523	Continuance Intentions to Use Gamification for Training in Higher Education: Integrating the Technology Acceptance Model (TAM), Social Motivation, and Task Technology Fit (TTF). IEEE Access, 2020, 8, 21473-21484.	4.2	104
1524	Global optimization of quantum dynamics with AlphaZero deep exploration. Npj Quantum Information, 2020, 6, .	6.7	57
1525	Diagnosing bias in data-driven algorithms for healthcare. Nature Medicine, 2020, 26, 25-26.	30.7	38
1526	Thirty Years of Machine Learning: The Road to Pareto-Optimal Wireless Networks. IEEE Communications Surveys and Tutorials, 2020, 22, 1472-1514.	39.4	361
1528	A Reinforcement Learning-Based Markov-Decision Process (MDP) Implementation for SRAM FPGAs. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2124-2128.	3.0	5
1529	Routing in congested baggage handling systems using deep reinforcement learning. Integrated Computer-Aided Engineering, 2020, 27, 139-152.	4.6	23
1530	On Deep Reinforcement Learning for Spacecraft Guidance. , 2020, , .		20
1531	Crossmodal attentive skill learner: learning in Atari and beyond with audio"video inputs. Autonomous Agents and Multi-Agent Systems, 2020, 34, 1.	2.1	1
1532	A Critical Review of Machine Learning of Energy Materials. Advanced Energy Materials, 2020, 10, 1903242.	19.5	319

#	ARTICLE	IF	CITATIONS
1533	An introduction to deep learning in medical physics: advantages, potential, and challenges. Physics in Medicine and Biology, 2020, 65, 05TR01.	3.0	123
1534	Robust prediction of complex spatiotemporal states through machine learning with sparse sensing. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126300.	2.1	10
1535	Cooperative Driving at Unsignalized Intersections Using Tree Search. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4563-4571.	8.0	109
1536	Universal approximation with quadratic deep networks. Neural Networks, 2020, 124, 383-392.	5.9	27
1537	Situation-Aware Deep Reinforcement Learning Link Prediction Model for Evolving Criminal Networks. IEEE Access, 2020, 8, 16550-16559.	4.2	30
1538	On the role of knowledge graphs in explainable AI. Semantic Web, 2020, 11, 41-51.	1.9	74
1539	Machine learning based on reservoir computing with time-delayed optoelectronic and photonic systems. Chaos, 2020, 30, 013111.	2.5	51
1540	Cyber-Physiochemical Interfaces. Advanced Materials, 2020, 32, e1905522.	21.0	64
1541	Double Coded Caching in Ultra Dense Networks: Caching and Multicast Scheduling via Deep Reinforcement Learning. IEEE Transactions on Communications, 2020, 68, 1071-1086.	7.8	42
1542	Multi-level anomalous Hall resistance in a single Hall cross for the applications of neuromorphic device. Scientific Reports, 2020, 10, 1285.	3.3	5
1543	Reinforcement learning for semi-autonomous approximate quantum eigensolver. Machine Learning: Science and Technology, 2020, 1, 015002.	5.0	14
1544	Applications of Phase Change Materials in Electrical Regime From Conventional Storage Memory to Novel Neuromorphic Computing. IEEE Access, 2020, 8, 76471-76499.	4.2	12
1545	Learning to Play the Chess Variant Crazyhouse Above World Champion Level With Deep Neural Networks and Human Data. Frontiers in Artificial Intelligence, 2020, 3, 24.	3.4	4
1546	Deep Reinforcement Learning in Agent Based Financial Market Simulation. Journal of Risk and Financial Management, 2020, 13, 71.	2.3	15
1547	Anthropomorphism in AI. AJOB Neuroscience, 2020, 11, 88-95.	1.1	72
1548	Performance Optimization for Blockchain-Enabled Distributed Network Function Virtualization Management and Orchestration. IEEE Transactions on Vehicular Technology, 2020, 69, 6670-6679.	6.3	26
1549	Managing Knowledge in Organizations. , 2020, , .		6
1550	A review On reinforcement learning: Introduction and applications in industrial process control. Computers and Chemical Engineering, 2020, 139, 106886.	3.8	253

#	ARTICLE	IF	CITATIONS
1551	Technological advances relevant to transport “ understanding what drives them. Transportation Research, Part A: Policy and Practice, 2020, 135, 80-95.	4.2	12
1552	How and What Can Humans Learn from Being in the Loop?. KI - Kunstliche Intelligenz, 2020, 34, 199-207.	3.2	10
1553	The autonomous industrial plant “ future of process engineering, operations and maintenance. Journal of Process Control, 2020, 88, 101-110.	3.3	24
1554	Accelerating deep reinforcement learning model for game strategy. Neurocomputing, 2020, 408, 157-168.	5.9	10
1555	Reinforcement learning-based collision avoidance: impact of reward function and knowledge transfer. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2020, 34, 207-222.	1.1	8
1556	Synergizing medical imaging and radiotherapy with deep learning. Machine Learning: Science and Technology, 2020, 1, 021001.	5.0	24
1557	Uncovering the key dimensions of high-throughput biomolecular data using deep learning. Nucleic Acids Research, 2020, 48, e56-e56.	14.5	9
1558	Ten Challenges in Advancing Machine Learning Technologies toward 6G. IEEE Wireless Communications, 2020, 27, 96-103.	9.0	248
1559	DDPG-Based Decision-Making Strategy of Adaptive Cruising for Heavy Vehicles Considering Stability. IEEE Access, 2020, 8, 59225-59246.	4.2	19
1560	Synthetic Biology, Artificial Intelligence, and Quantum Computing. , 2020, , .		1
1561	Actor-Critic Deep Reinforcement Learning for Solving Job Shop Scheduling Problems. IEEE Access, 2020, 8, 71752-71762.	4.2	119
1562	ADRL: An attention-based deep reinforcement learning framework for knowledge graph reasoning. Knowledge-Based Systems, 2020, 197, 105910.	7.1	29
1563	RLProph: a dynamic programming based reinforcement learning approach for optimal routing in opportunistic IoT networks. Wireless Networks, 2020, 26, 4319-4338.	3.0	25
1564	Use of Proximal Policy Optimization for the Joint Replenishment Problem. Computers in Industry, 2020, 119, 103239.	9.9	65
1565	Application of deep learning in ecological resource research: Theories, methods, and challenges. Science China Earth Sciences, 2020, 63, 1457-1474.	5.2	53
1566	Qualitative case-based reasoning and learning. Artificial Intelligence, 2020, 283, 103258.	5.8	26
1567	Addressing adjacency constraints in rectangular floor plans using Monte-Carlo Tree Search. Automation in Construction, 2020, 115, 103187.	9.8	22
1568	Backpropagation and the brain. Nature Reviews Neuroscience, 2020, 21, 335-346.	10.2	385

#	ARTICLE	IF	CITATIONS
1569	Spatial arrangement using deep reinforcement learning to minimise rearrangement in ship block stockyards. International Journal of Production Research, 2020, 58, 5062-5076.	7.5	17
1570	1.1 The Deep Learning Revolution and Its Implications for Computer Architecture and Chip Design. , 2020, , .		32
1571	Local motion simulation using deep reinforcement learning. Transactions in GIS, 2020, 24, 756-779.	2.3	10
1572	Automated endoscopic detection and classification of colorectal polyps using convolutional neural networks. Therapeutic Advances in Gastroenterology, 2020, 13, 175628482091065.	3.2	90
1573	Learnings from developing an applied data science curricula for undergraduate and graduate students. MRS Advances, 2020, 5, 347-353.	0.9	1
1574	Proofs and Predictions in Human Problem Solving. Computational Economics, 2021, 57, 935-947.	2.6	0
1575	When artificial intelligence meets educational leadersâ€™ data-informed decision-making: A cautionary tale. Studies in Educational Evaluation, 2021, 69, 100872.	2.3	23
1576	Weakly Supervised Reinforced Multi-Operator Image Retargeting. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 126-139.	8.3	22
1577	Safe Approximate Dynamic Programming via Kernelized Lipschitz Estimation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 405-419.	11.3	12
1578	Evolution of Bio-Inspired Artificial Synapses: Materials, Structures, and Mechanisms. Small, 2021, 17, e2000041.	10.0	55
1579	Solving the playing strategy of Dou Dizhu using convolutional neural network: A residual learning approach. Journal of Computational Methods in Sciences and Engineering, 2021, 21, 3-18.	0.2	2
1580	Learning Control for Air Conditioning Systems via Human Expressions. IEEE Transactions on Industrial Electronics, 2021, 68, 7662-7671.	7.9	25
1581	On the moral status of social robots: considering the consciousness criterion. AI and Society, 2021, 36, 429-443.	4.6	25
1582	Logistics-involved QoS-aware service composition in cloud manufacturing with deep reinforcement learning. Robotics and Computer-Integrated Manufacturing, 2021, 67, 101991.	9.9	80
1583	Hybrid collective intelligence in a humanâ€“AI society. AI and Society, 2021, 36, 217-238.	4.6	49
1584	Reinforcement Learning Based Decision Making of Operational Indices in Process Industry Under Changing Environment. IEEE Transactions on Industrial Informatics, 2021, 17, 2727-2736.	11.3	13
1585	A traffic prediction model based on multiple factors. Journal of Supercomputing, 2021, 77, 2928-2960.	3.6	11
1586	Pareto-Optimal Transit Route Planning With Multi-Objective Monte-Carlo Tree Search. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1185-1195.	8.0	16

#	ARTICLE	IF	CITATIONS
1587	Increasing GPS Localization Accuracy With Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2615-2626.	8.0	25
1588	Semi-Supervised Multi-View Deep Discriminant Representation Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2496-2509.	13.9	67
1589	Computationally rational agents can be moral agents. Ethics and Information Technology, 2021, 23, 137-145.	3.8	2
1590	AD-VAT+: An Asymmetric Dueling Mechanism for Learning and Understanding Visual Active Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1467-1482.	13.9	15
1591	Judging machines: philosophical aspects of deep learning. Synthese, 2021, 198, 1807-1827.	1.1	18
1592	A Threat Analysis of Human Bond Communications. Wireless Personal Communications, 2021, 118, 1987-2013.	2.7	0
1593	Reliability-based fault analysis models with industrial applications: A systematic literature review. Quality and Reliability Engineering International, 2021, 37, 1307-1333.	2.3	18
1594	Crop breeding “From experience-based selection to precision design. Journal of Plant Physiology, 2021, 256, 153313.	3.5	19
1595	Neuromorphic computing systems based on flexible organic electronics. , 2021, , 531-574.		6
1596	A bidirectional graph neural network for traveling salesman problems on arbitrary symmetric graphs. Engineering Applications of Artificial Intelligence, 2021, 97, 104061.	8.1	16
1597	A deep reinforcement learning-based on-demand charging algorithm for wireless rechargeable sensor networks. Ad Hoc Networks, 2021, 110, 102278.	5.5	33
1598	Constrained Cross-Entropy Method for Safe Reinforcement Learning. IEEE Transactions on Automatic Control, 2021, 66, 3123-3137.	5.7	10
1599	Fast Adaptive Task Offloading in Edge Computing Based on Meta Reinforcement Learning. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 242-253.	5.6	184
1600	SLER: Self-generated long-term experience replay for continual reinforcement learning. Applied Intelligence, 2021, 51, 185-201.	5.3	8
1602	Training a Multi-Layer Photonic Spiking Neural Network With Modified Supervised Learning Algorithm Based on Photonic STDP. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-9.	2.9	28
1603	Deep Reinforcement Learning for Smart City Communication Networks. IEEE Transactions on Industrial Informatics, 2021, 17, 4188-4196.	11.3	12
1604	Deep neural networks for grape bunch segmentation in natural images from a consumer-grade camera. Precision Agriculture, 2021, 22, 387-413.	6.0	42
1605	Designing an adaptive production control system using reinforcement learning. Journal of Intelligent Manufacturing, 2021, 32, 855-876.	7.3	70

#	ARTICLE	IF	CITATIONS
1606	Deep learning for small and big data in psychiatry. Neuropsychopharmacology, 2021, 46, 176-190.	5.4	82
1607	An Edge Computing Framework for Powertrain Control System Optimization of Intelligent and Connected Vehicles Based on Curiosity-Driven Deep Reinforcement Learning. IEEE Transactions on Industrial Electronics, 2021, 68, 7652-7661.	7.9	23
1608	A novel real-time design for fighting game AI. Evolving Systems, 2021, 12, 169-176.	3.9	4
1609	The voice of optimization. Machine Learning, 2021, 110, 249-277.	5.4	41
1610	A digital twin to train deep reinforcement learning agent for smart manufacturing plants: Environment, interfaces and intelligence. Journal of Manufacturing Systems, 2021, 58, 210-230.	13.9	131
1611	Information retrieval: a view from the Chinese IR community. Frontiers of Computer Science, 2021, 15, 1.	2.4	8
1612	Measuring creativity: an account of natural and artificial creativity. European Journal for Philosophy of Science, 2021, 11, 1.	1.1	19
1613	Enterprise AI Canvas Integrating Artificial Intelligence into Business. Applied Artificial Intelligence, 2021, 35, 1-12.	3.2	18
1615	An Automatic Cost Learning Framework for Image Steganography Using Deep Reinforcement Learning. IEEE Transactions on Information Forensics and Security, 2021, 16, 952-967.	6.9	83
1616	iPAS: A deep Monte Carlo Tree Search-based intelligent pilot-power allocation scheme for massive MIMO system. Digital Communications and Networks, 2021, 7, 362-372.	5.0	6
1617	Application of sigmoidal optimization to reconstruct nuclear medicine image: Comparison with filtered back projection and iterative reconstruction method. Nuclear Engineering and Technology, 2021, 53, 258-265.	2.3	3
1618	Big Data Justice: A Case for Regulating the Global Information Commons. Journal of Politics, 2021, 83, 577-588.	2.2	2
1619	Novel RFID anti-collision algorithm based on the Monte Carlo query tree search. Wireless Networks, 2021, 27, 621-634.	3.0	7
1620	The strategic use of artificial intelligence in the digital era: Systematic literature review and future research directions. International Journal of Information Management, 2021, 57, 102225.	17.5	222
1621	Cloud Resource Scheduling With Deep Reinforcement Learning and Imitation Learning. IEEE Internet of Things Journal, 2021, 8, 3576-3586.	8.7	48
1622	Classifying topological charge in SU(3) Yang-Mills theory with machine learning. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	3
1623	Optically excited threshold switching synapse characteristics on nitrogen-doped graphene oxide quantum dots (N-GOQDs). Journal of Alloys and Compounds, 2021, 855, 157514.	5.5	19
1624	Binarized Neural Architecture Search for Efficient Object Recognition. International Journal of Computer Vision, 2021, 129, 501-516.	15.6	8

#	ARTICLE	IF	CITATIONS
1625	Extraction of material properties through multi-fidelity deep learning from molecular dynamics simulation. Computational Materials Science, 2021, 188, 110187.	3.0	18
1626	LoOP: Iterative learning for optimistic planning on robots. Robotics and Autonomous Systems, 2021, 136, 103693.	5.1	2
1627	An Artificial Neuron Using a Bipolar Electrochemical Metallization Switch and Its Enhanced Spiking Properties through Filament Confinement. Advanced Electronic Materials, 2021, 7, .	5.1	15
1628	Memristor-based neural network circuit of pavlov associative memory with dual mode switching. AEU - International Journal of Electronics and Communications, 2021, 129, 153552.	2.9	45
1629	Multi-agent hierarchical policy gradient for Air Combat Tactics emergence via self-play. Engineering Applications of Artificial Intelligence, 2021, 98, 104112.	8.1	43
1630	Review: Machine learning techniques in analog/RF integrated circuit design, synthesis, layout, and test. The Integration VLSI Journal, 2021, 77, 113-130.	2.1	44
1631	Adversarial feature distribution alignment for semi-supervised learning. Computer Vision and Image Understanding, 2021, 202, 103109.	4.7	6
1632	Self-Driven Multistep Quantum Dot Synthesis Enabled by Autonomous Robotic Experimentation in Flow. Advanced Intelligent Systems, 2021, 3, 2000245.	6.1	58
1633	Deep learning powers cancer diagnosis in digital pathology. Computerized Medical Imaging and Graphics, 2021, 88, 101820.	5.8	17
1634	A reinforcement learning-based algorithm for the aircraft maintenance routing problem. Expert Systems With Applications, 2021, 169, 114399.	7.6	24
1635	Applications of reinforcement learning in energy systems. Renewable and Sustainable Energy Reviews, 2021, 137, 110618.	16.4	147
1636	A capsule-unified framework of deep neural networks for graphical programming. Soft Computing, 2021, 25, 3849-3871.	3.6	1
1637	Hierarchical Deep Q-Network from imperfect demonstrations in Minecraft. Cognitive Systems Research, 2021, 65, 74-78.	2.7	10
1638	Just what are we doing when we're describing AI? Harvey Sacks, the commentator machine, and the descriptive politics of the new artificial intelligence. Qualitative Research, 2021, 21, 341-359.	3.5	5
1639	Joint Traffic Control and Multi-Channel Reassignment for Core Backbone Network in SDN-IoT: A Multi-Agent Deep Reinforcement Learning Approach. IEEE Transactions on Network Science and Engineering, 2021, 8, 231-245.	6.4	24
1641	A non-cooperative meta-modeling game for automated third-party calibrating, validating and falsifying constitutive laws with parallelized adversarial attacks. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113514.	6.6	17
1642	The reinforcement learning method for occupant behavior in building control: A review. Energy and Built Environment, 2021, 2, 137-148.	5.9	20
1643	Futures of artificial intelligence through technology readiness levels. Telematics and Informatics, 2021, 58, 101525.	5.8	30

#	ARTICLE	IF	CITATIONS
1644	Direct shape optimization through deep reinforcement learning. Journal of Computational Physics, 2021, 428, 110080.	3.8	86
1645	Online Scheduling of a Residential Microgrid via Monte-Carlo Tree Search and a Learned Model. IEEE Transactions on Smart Grid, 2021, 12, 1073-1087.	9.0	50
1647	Digitalisierung souverän gestalten. , 2021, , .		4
1648	Modular deep reinforcement learning from reward and punishment for robot navigation. Neural Networks, 2021, 135, 115-126.	5.9	27
1649	Hierarchical Deep Learning Neural Network (HiDeNN): An artificial intelligence (AI) framework for computational science and engineering. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113452.	6.6	77
1650	Leveraging machine learning in the global fight against money laundering and terrorism financing: An affordances perspective. Journal of Business Research, 2021, 131, 441-452.	10.2	72
1651	An algorithm based on valuation forecasting for game tree search. International Journal of Machine Learning and Cybernetics, 2021, 12, 1083-1095.	3.6	0
1652	Modelling Stock Markets by Multi-agent Reinforcement Learning. Computational Economics, 2021, 57, 113-147.	2.6	26
1653	A Survey of Nash Equilibrium Strategy Solving Based on CFR. Archives of Computational Methods in Engineering, 2021, 28, 2749-2760.	10.2	4
1654	The International Collaboration for Cancer Classification and Research. International Journal of Cancer, 2021, 148, 560-571.	5.1	32
1655	Basal Glucose Control in Type 1 Diabetes Using Deep Reinforcement Learning: An <i>In Silico</i> Validation. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1223-1232.	6.3	51
1656	Age-Related Differences in Healthy Adults Walking Patterns Under a Cognitive Task With Deep Neural Networks. IEEE Sensors Journal, 2021, 21, 2353-2363.	4.7	3
1657	A Geometric Approach to the Unification of Symbolic Structures and Neural Networks. Studies in Computational Intelligence, 2021, , .	0.9	4
1658	TacticToe: Learning to Prove with Tactics. Journal of Automated Reasoning, 2021, 65, 257-286.	1.4	15
1659	Improved load forecasting model based on two-stage optimization of gray model with fractional order accumulation and Markov chain. Communications in Statistics - Theory and Methods, 2021, 50, 2659-2673.	1.0	4
1660	Winning Rate Prediction Model Based on Monte Carlo Tree Search for Computer <i>Dou Dizhu</i> . IEEE Transactions on Games, 2021, 13, 123-137.	1.4	3
1661	A Knee-Guided Evolutionary Algorithm for Compressing Deep Neural Networks. IEEE Transactions on Cybernetics, 2021, 51, 1626-1638.	9.5	49
1662	Integrating Classical Control into Reinforcement Learning Policy. Neural Processing Letters, 2021, 53, 1709-1722.	3.2	1

#	ARTICLE	IF	CITATIONS
1663	Assessing Transferability From Simulation to Reality for Reinforcement Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 1172-1183.	13.9	26
1664	ReinforcementDriving: Exploring Trajectories and Navigation for Autonomous Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 808-820.	8.0	16
1665	Deep-Reinforcement-Learning-Based Energy Management Strategy for Supercapacitor Energy Storage Systems in Urban Rail Transit. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1150-1160.	8.0	44
1667	Learning Empirically. , 2021, , 39-43.		0
1668	Adaptive Remote Sensing Image Attribute Learning for Active Object Detection. , 2021, , .		3
1669	Recapitulation of Research in Artificial Intelligence: A Bibliometric Analysis. Lecture Notes in Networks and Systems, 2021, , 539-548.	0.7	0
1670	Artificial intelligence accelerated by light. Nature, 2021, 589, 25-26.	27.8	25
1671	SAT-MARL: Specification Aware Training in Multi-Agent Reinforcement Learning. , 2021, , .		3
1672	Online Learning-Based Co-task Dispatching with Function Configuration in Edge Computing. Lecture Notes in Computer Science, 2021, , 198-209.	1.3	1
1673	Connected Urban Mobility: Einsatz Künstlicher Intelligenz zur Koordination von LastenrÄdern in der Last Mile Logistik. , 2021, , 533-547.		0
1674	Beyond Deep Event Prediction: Deep Event Understanding Based on Explainable Artificial Intelligence. Studies in Computational Intelligence, 2021, , 91-117.	0.9	1
1675	AI Efficiency Index: Identifying Regulatory and Policy Constraints for Resilient National AI Ecosystems. SSRN Electronic Journal, 0, , .	0.4	0
1676	New Methodology and Framework Information Science-Assisted Analysis of FMO Results for Drug Design. , 2021, , 511-528.		0
1677	Precision Global Health. , 2021, , 1-32.		0
1679	Machine learning models for the secondary Bjerknes force between two insonated bubbles. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 35-46.	3.4	3
1681	Distributed Reinforcement Learning with States Feature Encoding and States Stacking in Continuous Action Space. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 340-353.	0.3	0
1683	Graph-Based Heuristic Search for Module Selection Procedure in Neural Module Network. Lecture Notes in Computer Science, 2021, , 560-575.	1.3	0
1685	Optimal Planning of Emergency Communication Network Using Deep Reinforcement Learning. IEICE Transactions on Communications, 2021, E104.B, 20-26.	0.7	2

#	ARTICLE	IF	CITATIONS
1686	Modern AI and How We Got Here. , 2021, , 49-74.		0
1687	Photonic Perceptron at Gigabit/s Speeds with Kerr Microcombs. SSRN Electronic Journal, 0, , .	0.4	0
1688	Detecting and adapting to crisis pattern with context based Deep Reinforcement Learning. , 2021, , .		7
1689	Reinforcement learning decoders for fault-tolerant quantum computation. Machine Learning: Science and Technology, 2021, 2, 025005.	5.0	30
1690	Reinforcement learning for content's customization: a first step of experimentation in Skyscanner. Industrial Management and Data Systems, 2021, 121, 1417-1434.	3.7	4
1691	Explainability using Decision Trees and Monte Carlo Simulations. SSRN Electronic Journal, 0, , .	0.4	1
1693	The Road Most Rewarded. , 2021, , 141-157.		0
1694	An Improved Dyna-Q Algorithm for Mobile Robot Path Planning in Unknown Dynamic Environment. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4415-4425.	9.3	23
1695	Artificial Intelligence: Opportunity or Risk?. , 2021, , 149-157.		0
1696	Constructing Accurate and Efficient Deep Spiking Neural Networks With Double-Threshold and Augmented Schemes. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1714-1726.	11.3	23
1697	A Novel Hierarchical Soft Actor-Critic Algorithm for Multi-Logistics Robots Task Allocation. IEEE Access, 2021, 9, 42568-42582.	4.2	25
1698	Multi-agent Imitation Learning with Copulas. Lecture Notes in Computer Science, 2021, , 139-156.	1.3	0
1699	Compassion As an Intervention to Attune to Universal Suffering of Self and Others in Conflicts: A Translational Framework. Frontiers in Psychology, 2020, 11, 603385.	2.1	9
1700	Reinforcement Learning Methodologies for Controlling Occupant Comfort in Buildings. Sustainable Development Goals Series, 2021, , 179-205.	0.4	1
1701	Deep Q-Learning: Theoretical Insights From an Asymptotic Analysis. IEEE Transactions on Artificial Intelligence, 2022, 3, 139-151.	4.7	6
1702	A State-of-the-Art Review of Deep Reinforcement Learning Techniques for Real-Time Strategy Games. Studies in Computational Intelligence, 2021, , 285-307.	0.9	3
1703	A Data-Driven Simulator for Assessing Decision-Making in Soccer. Lecture Notes in Computer Science, 2021, , 687-698.	1.3	2
1704	MCTSteg: A Monte Carlo Tree Search-Based Reinforcement Learning Framework for Universal Non-Additive Steganography. IEEE Transactions on Information Forensics and Security, 2021, 16, 4306-4320.	6.9	11

#	ARTICLE	IF	CITATIONS
1705	Techniques for Automated Machine Learning. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2021, 22, 35-50.	4.0	20
1706	A Reinforcement Learning-Based Vehicle Platoon Control Strategy for Reducing Energy Consumption in Traffic Oscillations. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5309-5322.	11.3	33
1707	Deep Reinforcement Learning for Combinatorial Optimization: Covering Salesman Problems. IEEE Transactions on Cybernetics, 2022, 52, 13142-13155.	9.5	26
1708	Application of Artificial Intelligence to Cardiovascular Computed Tomography. Korean Journal of Radiology, 2021, 22, 1597.	3.4	7
1709	Learning from the Failure of Autonomous and Intelligent Systems: Accidents, Safety and Sociotechnical Sources of Risk. SSRN Electronic Journal, 0, , .	0.4	3
1710	An Empirical Survey on Methods for Integrating Scripts into Adversarial Search for RTS Games. IEEE Transactions on Games, 2021, , 1-1.	1.4	2
1711	Natural Emergence of Heterogeneous Strategies in Artificially Intelligent Competitive Teams. Lecture Notes in Computer Science, 2021, , 13-25.	1.3	7
1712	Optimizing the Neural Architecture of Reinforcement Learning Agents. Lecture Notes in Networks and Systems, 2021, , 591-606.	0.7	3
1713	Challenges of Model Predictive Control in a Black Box Environment. Studies in Computational Intelligence, 2021, , 177-187.	0.9	1
1714	Incorporating Actor-Critic in Monte Carlo tree search for symbolic regression. Neural Computing and Applications, 2021, 33, 8495-8511.	5.6	3
1715	SurvNet: A Novel Deep Neural Network for Lung Cancer Survival Analysis With Missing Values. Frontiers in Oncology, 2020, 10, 588990.	2.8	12
1716	A Comparison of Self-Play Algorithms Under a Generalized Framework. IEEE Transactions on Games, 2022, 14, 221-231.	1.4	3
1717	Money for Nothin™: Digitalization and Fluid Tax Bases. , 2021, , 185-209.		0
1718	Memristor-Based Neural Network Circuit of Associative Memory with Multimodal Synergy. Communications in Computer and Information Science, 2021, , 381-395.	0.5	1
1719	Developing Value Networks for Game 2048 with Reinforcement Learning. Journal of Information Processing, 2021, 29, 336-346.	0.4	3
1720	Utilizing Reinforcement Learning to Continuously Improve a Primitive-Based Motion Planner. , 2021, , .		3
1722	A Brief History of the Relationship Between Expertise and Artificial Intelligence. , 2021, , 149-175.		4
1723	Bibliometric Study on the Use of Machine Learning as Resolution Technique for Facility Layout Problems. IEEE Access, 2021, 9, 22569-22586.	4.2	16

#	ARTICLE	IF	CITATIONS
1724	Deep Reinforcement Learning. Cognitive Intelligence and Robotics, 2021, , 217-243.	0.6	15
1725	A Deep Reinforcement Learning-Based Framework for PolSAR Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	9
1726	The Mind Technology Problem and the Deep History of Mind Design. Studies in Brain and Mind, 2021, , 1-45.	0.5	0
1727	Hindsight Curriculum Generation Based Multi-Goal Experience Replay. Lecture Notes in Computer Science, 2021, , 182-194.	1.3	0
1728	Energy-Efficient Online Path Planning of Multiple Drones Using Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 9725-9740.	6.3	31
1729	Deep reinforcement learning of transition states. Physical Chemistry Chemical Physics, 2021, 23, 6888-6895.	2.8	17
1730	Can Reinforcement Learning Lead to Healthy Life?: Simulation Study Based on User Activity Logs. , 2021, , .		0
1731	A protet-based, protonic charge transfer model of energy coupling in oxidative and photosynthetic phosphorylation. Advances in Microbial Physiology, 2021, 78, 1-177.	2.4	11
1732	Flow-Achieving Online Planning and Dispatching for Continuous Transportation With Autonomous Vehicles. IEEE Transactions on Automation Science and Engineering, 2022, 19, 457-472.	5.2	6
1733	Evolutionary Shallowing Deep Neural Networks at Block Levels. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4635-4647.	11.3	16
1734	Reinforcement Learning Based Penetration Testing of a Microgrid Control Algorithm. , 2021, , .		7
1735	Automated Process Synthesis Using Reinforcement Learning. Computer Aided Chemical Engineering, 2021, 50, 209-214.	0.5	1
1736	Towards a Practical Approach for Assessing Pressure Relief Activities for Manual Wheelchair Users in Their Daily Lives. Lecture Notes in Computer Science, 2021, , 40-49.	1.3	0
1737	How Does AI Improve Human Decision-Making? Evidence from the AI-Powered Go Program. SSRN Electronic Journal, 0, , .	0.4	5
1738	Ball Motion Control in the Table Tennis Robot System Using Time-Series Deep Reinforcement Learning. IEEE Access, 2021, 9, 99816-99827.	4.2	15
1739	Universal Adversarial Examples and Perturbations for Quantum Classifiers. National Science Review, 0, , .	9.5	6
1740	Harnessing machine learning for development of microbiome therapeutics. Gut Microbes, 2021, 13, 1-20.	9.8	47
1741	Fast automated detection of COVID-19 from medical images using convolutional neural networks. Communications Biology, 2021, 4, 35.	4.4	43

#	ARTICLE	IF	CITATIONS
1742	Artificial Intelligence in Surgery. , 2021, , 1-8.		0
1743	Progressive Tandem Learning for Pattern Recognition With Deep Spiking Neural Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7824-7840.	13.9	33
1744	An Energy Efficient EdgeAI Autoencoder Accelerator for Reinforcement Learning. IEEE Open Journal of Circuits and Systems, 2021, 2, 182-195.	1.9	8
1745	Short-Term Traffic Prediction With Deep Neural Networks: A Survey. IEEE Access, 2021, 9, 54739-54756.	4.2	40
1746	Visualizing and Understanding Policy Networks of Computer Go. Journal of Information Processing, 2021, 29, 347-359.	0.4	0
1747	Grundlagen der Künstlichen Intelligenz und des Maschinellen Lernens. , 2021, , 3-25.		6
1748	Acceleration-based Quadrotor Guidance Under Time Delays Using Deep Reinforcement Learning. , 2021, , .		2
1749	Self-Play or Group Practice: Learning to Play Alternating Markov Game in Multi-Agent System. , 2021, , .		1
1750	Efficient Reinforcement Learning for <i>StarCraft</i> by Abstract Forward Models and Transfer Learning. IEEE Transactions on Games, 2022, 14, 294-307.	1.4	3
1751	Tectonic discrimination and application based on convolution neural network and incomplete big data. Journal of Geochemical Exploration, 2021, 220, 106662.	3.2	6
1752	Predicting the Generalization Ability of a Few-Shot Classifier. Information (Switzerland), 2021, 12, 29.	2.9	0
1753	A Review and a Proposal About Socio-economic Impacts of Artificial Intelligence. Springer Proceedings in Business and Economics, 2021, , 251-270.	0.3	4
1754	Wie lernt eine Maschine?. , 2021, , 33-75.		0
1755	What Is the Model in Model-Based Planning?. Cognitive Science, 2021, 45, e12928.	1.7	9
1756	Monte Carlo Tree Search and Cognitive Hierarchy Theory for Interactive-Behavior Prediction in Fast Trajectory Planning and Automated Lane Change. ASME Journal of Autonomous Vehicles and Systems, 2021, 1, .	0.7	1
1757	Efficient Searching With MCTS and Imitation Learning: A Case Study in Pommerman. IEEE Access, 2021, 9, 48851-48859.	4.2	2
1758	A Generalizable Model-and-Data Driven Approach for Open-Set RFF Authentication. IEEE Transactions on Information Forensics and Security, 2021, 16, 4435-4450.	6.9	42
1759	Leveraging Deep Reinforcement Learning for Traffic Engineering: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2064-2097.	39.4	36

#	ARTICLE	IF	CITATIONS
1760	The Cerebral Cortex: A Delay-Coupled Recurrent Oscillator Network?. Natural Computing Series, 2021, , 3-28.	2.2	3
1761	The Gap between Theory and Practice in Function Approximation with Deep Neural Networks. SIAM Journal on Mathematics of Data Science, 2021, 3, 624-655.	1.8	68
1762	Knowledge Transfer using Model-Based Deep Reinforcement Learning. , 2021, , .		1
1763	Human Motion Recognition and Prediction for Robot Control. , 2021, , 261-282.		1
1764	Reframing Jet Physics with New Computational Methods. EPJ Web of Conferences, 2021, 251, 03059.	0.3	5
1765	Towards Deep Learning-Based Approach for Detecting Android Malware. , 2021, , 2193-2219.		0
1766	Interpretable End-to-End Urban Autonomous Driving With Latent Deep Reinforcement Learning. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5068-5078.	8.0	77
1768	Integrated neuromorphic computing networks by artificial spin synapses and spin neurons. NPC Asia Materials, 2021, 13, .	7.9	28
1769	Wind-Farm Power Tracking Via Preview-Based Robust Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 1706-1715.	11.3	21
1770	A Top-Down Approach to Attain Decentralized Multi-agents. Studies in Systems, Decision and Control, 2021, , 419-431.	1.0	0
1771	Design of an Intelligent Driving Support System for Detecting Distracted Driving. Lecture Notes in Networks and Systems, 2021, , 377-382.	0.7	3
1772	Machine learning in polymer informatics. InformaÄMateriÄly, 2021, 3, 353-361.	17.3	74
1773	Quantum optimal control of multilevel dissipative quantum systems with reinforcement learning. Physical Review A, 2021, 103, .	2.5	26
1774	Raising Ethical Machines. Advances in Human and Social Aspects of Technology Book Series, 2021, , 47-68.	0.3	0
1776	Double Deep Reinforcement Learning-Based Energy Management for a Parallel Hybrid Electric Vehicle With Engine StartâStop Strategy. IEEE Transactions on Transportation Electrification, 2022, 8, 1376-1388.	7.8	56
1777	Distributed Deep Reinforcement Learning-Based Energy and Emission Management Strategy for Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2021, 70, 9922-9934.	6.3	74
1778	Artificial Intelligence and Management: The AutomationâAugmentation Paradox. Academy of Management Review, 2021, 46, 192-210.	11.7	402
1780	Precision Global Health. , 2021, , 1667-1698.		0

#	ARTICLE	IF	CITATIONS
1781	An Off-Policy Trust Region Policy Optimization Method With Monotonic Improvement Guarantee for Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2223-2235.	11.3	16
1782	J-POP: Japanese Puzzles as Optimization Problems. IEEE Transactions on Games, 2022, 14, 391-402.	1.4	1
1783	Real-Time Order Scheduling in Credit Factories: A Multi-agent Reinforcement Learning Approach. Communications in Computer and Information Science, 2021, , 461-475.	0.5	0
1784	Management of Heterogeneous Cloud Resources with Use of the PPO. Lecture Notes in Computer Science, 2021, , 148-159.	1.3	0
1785	Learning to Play Imperfect-Information Games by Imitating an Oracle Planner. IEEE Transactions on Games, 2022, 14, 262-272.	1.4	0
1787	Learning the Minimal Representation of a Dynamic System from Transition Data. SSRN Electronic Journal, 0, , .	0.4	1
1788	Artificial Intelligence (AI) in medicine as a strategic valuable tool. Pan African Medical Journal, 2021, 38, 184.	0.8	15
1789	Deployment Service for Scalable Distributed Deep Learning Training on Multiple Clouds. , 2021, , .		0
1790	AOAM: Automatic Optimization of Adjacency Matrix for Graph Convolutional Network. , 2021, , .		2
1791	Machine learning for rediscovering revolutionary ideas of the past. Adaptive Behavior, 2022, 30, 279-286.	1.9	4
1792	To Use or Not to Use Artificial Intelligence? A Framework for the Ideation and Evaluation of Problems to Be Solved with Artificial Intelligence. , 0, , .		4
1793	Machine learning assisted quantum adiabatic algorithm design. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 140306.	0.5	2
1794	Neuroevolution vs Reinforcement Learning for Training Non Player Characters in Games: The Case of a Self Driving Car. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 191-206.	0.3	3
1795	Approximate Collaborative Fleet Routing with a Pointer Generation Neural Network Approach. IFAC-PapersOnLine, 2021, 54, 195-202.	0.9	0
1796	Memory Recall: A Simple Neural Network Training Framework Against Catastrophic Forgetting. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 2010-2022.	11.3	6
1797	Multi-Agent Deep Reinforcement Learning Method for EV Charging Station Game. IEEE Transactions on Power Systems, 2022, 37, 1682-1694.	6.5	36
1798	Teaching Machine Learning in Kâ€™12 Classroom: Pedagogical and Technological Trajectories for Artificial Intelligence Education. IEEE Access, 2021, 9, 110558-110572.	4.2	52
1799	A Constructivist Rapprochement and an Epistemic Stance. , 2021, , 175-188.		0

#	ARTICLE	IF	CITATIONS
1800	Association and Connectionist Approaches to AI. , 2021, , 105-141.		0
1801	A Dark Art: The Machine Learning Labour Process. Marx, Engels, and Marxisms, 2021, , 171-206.	0.1	1
1802	Local Search is a Remarkably Strong Baseline for Neural Architecture Search. Lecture Notes in Computer Science, 2021, , 465-479.	1.3	13
1803	A Normative Supervisor for Reinforcement Learning Agents. Lecture Notes in Computer Science, 2021, , 565-576.	1.3	5
1804	Binary classification problem. , 2021, , 57-80.		0
1805	Evaluate, explain, and explore the state more exactly: an improved Actor-Critic algorithm for complex environment. Neural Computing and Applications, 2023, 35, 12271-12282.	5.6	3
1806	Path-Restore: Learning Network Path Selection for Image Restoration. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 7078-7092.	13.9	29
1807	Reinforcement-Tracking: An Effective Trajectory Tracking and Navigation Method for Autonomous Urban Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6991-7007.	8.0	13
1808	An Improved Reinforcement Learning for Security-Constrained Economic Dispatch of Battery Energy Storage in Microgrids. Communications in Computer and Information Science, 2021, , 303-318.	0.5	6
1809	A Preliminary Analysis on Software Frameworks for the Development of Spiking Neural Networks. Lecture Notes in Computer Science, 2021, , 564-575.	1.3	2
1810	Proactive and Aol-Aware Failure Recovery for Stateful NFV-Enabled Zero-Touch 6G Networks: Model-Free DRL Approach. IEEE Transactions on Network and Service Management, 2022, 19, 437-451.	4.9	10
1811	The Role of Entropy in Guiding a Connection Prover. Lecture Notes in Computer Science, 2021, , 218-235.	1.3	2
1812	Reinforcement Syntactic Dependency Tree Reasoning for Target-Oriented Opinion Word Extraction. Lecture Notes in Computer Science, 2021, , 531-543.	1.3	1
1813	Selection-Expansion: A Unifying Framework for Motion-Planning and Diversity Search Algorithms. Lecture Notes in Computer Science, 2021, , 568-579.	1.3	0
1814	Lernen durch Verstärkung (Reinforcement Learning). Computational Intelligence, 2021, , 351-377.	0.4	0
1815	A New Open-Source Off-Road Environment for Benchmark Generalization of Autonomous Driving. IEEE Access, 2021, 9, 136071-136082.	4.2	3
1816	Finding an Optimal Geometric Configuration for TDOA Location Systems With Reinforcement Learning. IEEE Access, 2021, 9, 63388-63397.	4.2	3
1817	Development of an Artificial Intelligence System to Design of Structures using Reinforcement Learning: Proof of Concept. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
1818	Verification of Neural Network Compression of ACAS Xu Lookup Tables with Star Set Reachability. , 2021, , .		4
1819	A Study of the Mathematics of Deep Learning. SSRN Electronic Journal, 0, , .	0.4	0
1820	CVaR Q-Learning. Studies in Computational Intelligence, 2021, , 333-358.	0.9	0
1821	Value-Based Continuous Control Without Concrete State-Action Value Function. Lecture Notes in Computer Science, 2021, , 352-364.	1.3	0
1822	Vau Da Muntanialas: Energy-Efficient Multi-Die Scalable Acceleration of RNN Inference. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 244-257.	5.4	3
1823	Copyrightability and Protection Path of the AI-Generated Work. Dispute Settlement, 2021, 07, 89-97.	0.0	0
1824	Model-Free Deep Reinforcement Learning Algorithms and Applications. Studies in Computational Intelligence, 2021, , 109-121.	0.9	6
1825	The promise and peril of deep learning in microscopy. Nature Methods, 2021, 18, 131-132.	19.0	27
1826	Addressing Hindsight Bias in Multigoal Reinforcement Learning. IEEE Transactions on Cybernetics, 2023, 53, 392-405.	9.5	4
1828	A context-aware approach to automated negotiation using reinforcement learning. Advanced Engineering Informatics, 2021, 47, 101229.	8.0	9
1829	Improving efficiency of training a virtual treatment planner network via knowledge-guided deep reinforcement learning for intelligent automatic treatment planning of radiotherapy. Medical Physics, 2021, 48, 1909-1920.	3.0	14
1830	Digital twin application with horizontal coordination for reinforcement-learning-based production control in a re-entrant job shop. International Journal of Production Research, 2022, 60, 2151-2167.	7.5	16
1831	Rolling Cargo Management Using a Deep Reinforcement Learning Approach. Logistics, 2021, 5, 10.	4.3	4
1832	Communication-efficient hierarchical distributed optimization for multi-agent policy evaluation. Journal of Computational Science, 2021, 49, 101280.	2.9	7
1833	Monte Carlo Tree Search as an intelligent search tool in structural design problems. Engineering With Computers, 2022, 38, 3219-3236.	6.1	7
1834	A framework for probabilistic weather forecast post-processing across models and lead times using machine learning. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200099.	3.4	8
1835	Automated multi-layer optical design via deep reinforcement learning. Machine Learning: Science and Technology, 2021, 2, 025013.	5.0	37
1836	An offline multi-scale unsaturated poromechanics model enabled by self-designed/self-improved neural networks. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1212-1237.	3.3	19

#	ARTICLE	IF	CITATIONS
1837	Endowing Artificial Intelligence with legal subjectivity. <i>AI and Society</i> , 2022, 37, 205-213.	4.6	14
1838	First return, then explore. <i>Nature</i> , 2021, 590, 580-586.	27.8	103
1839	Reducing Time to Discovery: Materials and Molecular Modeling, Imaging, Informatics, and Integration. <i>ACS Nano</i> , 2021, 15, 3971-3995.	14.6	36
1840	Learning earth system models from observations: machine learning or data assimilation?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200089.	3.4	63
1841	GradPIM: A Practical Processing-in-DRAM Architecture for Gradient Descent. , 2021, , .		15
1842	Core Placement Optimization for Multi-chip Many-core Neural Network Systems with Reinforcement Learning. <i>ACM Transactions on Design Automation of Electronic Systems</i> , 2021, 26, 1-27.	2.6	10
1844	Development of a Novel Feedforward Neural Network Model Based on Controllable Parameters for Predicting Effluent Total Nitrogen. <i>Engineering</i> , 2021, 7, 195-202.	6.7	15
1845	Deep Q-learning for the selection of optimal isocratic scouting runs in liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1638, 461900.	3.7	10
1846	Learning to unknot. <i>Machine Learning: Science and Technology</i> , 2021, 2, 025035.	5.0	17
1847	Adaptive deep-learning algorithm for signal recovery of broadband microwave photonic receiving systems based on supervised training. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 834.	2.1	2
1848	Using Reinforcement Learning to Estimate Human Joint Moments From Electromyography or Joint Kinematics: An Alternative Solution to Musculoskeletal-Based Biomechanics. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	1.3	15
1850	Self-Driven Multistep Quantum Dot Synthesis Enabled by Autonomous Robotic Experimentation in Flow. <i>Advanced Intelligent Systems</i> , 2021, 3, 2170022.	6.1	0
1851	Unraveling the deep learning gearbox in optical coherence tomography image segmentation towards explainable artificial intelligence. <i>Communications Biology</i> , 2021, 4, 170.	4.4	20
1852	Improving Monte Carlo Tree Search with Artificial Neural Networks without Heuristics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2056.	2.5	5
1853	Attention Mechanisms and Their Applications to Complex Systems. <i>Entropy</i> , 2021, 23, 283.	2.2	27
1854	When blockchain meets AI: Optimal mining strategy achieved by machine learning. <i>International Journal of Intelligent Systems</i> , 2021, 36, 2183-2207.	5.7	30
1855	Deep Reinforcement Learning Techniques in Diversified Domains: A Survey. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 4715-4754.	10.2	22
1857	Quantum Enhancements for Deep Reinforcement Learning in Large Spaces. <i>PRX Quantum</i> , 2021, 2, .	9.2	26

#	ARTICLE	IF	CITATIONS
1858	Cloth Consultant Robot With Temperature & Weather Report Using Uipath Rpa. , 2021, , .		1
1859	Quantum machine learning for particle physics using a variational quantum classifier. Journal of High Energy Physics, 2021, 2021, 1.	4.7	32
1860	High-Performance Organic Synaptic Transistors with an Ultrathin Active Layer for Neuromorphic Computing. ACS Applied Materials & Interfaces, 2021, 13, 8672-8681.	8.0	37
1861	Towards an interdisciplinary framework about intelligence. Heliyon, 2021, 7, e06268.	3.2	2
1862	Integrated optimal control strategies for freeway traffic mixed with connected automated vehicles: A model-based reinforcement learning approach. Transportation Research Part C: Emerging Technologies, 2021, 123, 102987.	7.6	29
1863	Promises and Perils of Experimentation: The Mutual-Internal-Validity Problem. Perspectives on Psychological Science, 2021, 16, 854-863.	9.0	26
1865	Searching and Tracking an Unknown Number of Targets: A Learning-Based Method Enhanced with Maps Merging. Sensors, 2021, 21, 1076.	3.8	6
1866	A Semiopportunistic Task Allocation Framework for Mobile Crowdsensing with Deep Learning. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	1.2	6
1867	On-chip trainable hardware-based deep Q-networks approximating a backpropagation algorithm. Neural Computing and Applications, 2021, 33, 9391-9402.	5.6	4
1868	Explainability in deep reinforcement learning. Knowledge-Based Systems, 2021, 214, 106685.	7.1	129
1869	Universal machine learning for topology optimization. Computer Methods in Applied Mechanics and Engineering, 2021, 375, 112739.	6.6	63
1870	Agent Decision Processes Using Double Deep Q-Networks + Minimax Q- Learning. , 2021, , .		0
1872	Trusting Magic. Circulation, 2021, 143, 1299-1301.	1.6	10
1873	Electromagnetic situation analysis and judgment based on deep learning. IET Communications, 2021, 15, 1455-1466.	2.2	3
1874	DDQP: A Double Deep Q-Learning Approach to Online Fault-Tolerant SFC Placement. IEEE Transactions on Network and Service Management, 2021, 18, 118-132.	4.9	29
1875	Deep Reinforcement Learning for Spacecraft Proximity Operations Guidance. Journal of Spacecraft and Rockets, 2021, 58, 254-264.	1.9	43
1876	Outlook for artificial intelligence and machine learning at the NSLS-II. Machine Learning: Science and Technology, 2021, 2, 013001.	5.0	11
1877	Research on the Difficulty of Mobile Node Deployment's Self-Play in Wireless Ad Hoc Networks Based on Deep Reinforcement Learning. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	1.2	1

#	ARTICLE	IF	CITATIONS
1878	Selective network discovery via deep reinforcement learning on embedded spaces. Applied Network Science, 2021, 6, .	1.5	3
1879	Applicability and Challenges of Deep Reinforcement Learning for Satellite Frequency Plan Design. , 2021, , .		2
1880	Long-term use of the hybrid artificial pancreas by adjusting carbohydrate ratios and programmed basal rate: A reinforcement learning approach. Computer Methods and Programs in Biomedicine, 2021, 200, 105936.	4.7	14
1881	Photonic convolutional accelerator and neural network in the Tera-OPs regime based on Kerr microcombs. , 2021, , .		1
1882	Human- versus Artificial Intelligence. Frontiers in Artificial Intelligence, 2021, 4, 622364.	3.4	97
1883	Machine learning for molecular thermodynamics. Chinese Journal of Chemical Engineering, 2021, 31, 227-239.	3.5	16
1884	Artificial Intelligence in Process Engineering. Advanced Intelligent Systems, 2021, 3, 2000261.	6.1	24
1885	Multiple method modelling reveals lack of robustness in natural resource management research. Journal of Environmental Management, 2021, 281, 111812.	7.8	1
1886	Comparing quantum hybrid reinforcement learning to classical methods. Human-Intelligent Systems Integration, 2021, 3, 15-23.	2.5	7
1887	Accurate Imputation of Greenhouse Environment Data for Data Integrity Utilizing Two-Dimensional Convolutional Neural Networks. Sensors, 2021, 21, 2187.	3.8	9
1888	Using reinforcement learning to minimize taxi idle times. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2022, 26, 498-509.	4.2	3
1889	Adversarial Reinforcement Learning in Dynamic Channel Access and Power Control. , 2021, , .		7
1890	Carry-Propagation-Adder-Factored Gemmini Systolic Array for Machine Learning Acceleration. Electronics (Switzerland), 2021, 10, 652.	3.1	4
1891	Study on Intelligent Control of Gas Turbines for Extending Service Life Based on Reinforcement Learning. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	15
1892	Experimental quantum speed-up in reinforcement learning agents. Nature, 2021, 591, 229-233.	27.8	85
1893	A knowledge-enhanced deep reinforcement learning-based shape optimizer for aerodynamic mitigation of wind-sensitive structures. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 733-746.	9.8	41
1894	Are We There Yet? Evaluating the Effectiveness of a Recurrent Neural Network-Based Stopping Algorithm for an Adaptive Assessment. International Journal of Artificial Intelligence in Education, 2021, 31, 304-336.	5.5	8
1895	Emerging Applications of Machine Learning in Food Safety. Annual Review of Food Science and Technology, 2021, 12, 513-538.	9.9	52

#	ARTICLE	IF	CITATIONS
1896	Low-Power Self-Rectifying Memristive Artificial Neural Network for Near Internet-of-Things Sensor Computing. Advanced Electronic Materials, 2021, 7, 2100050.	5.1	27
1897	Reinforcement learning and Bayesian data assimilation for model-informed precision dosing in oncology. CPT: Pharmacometrics and Systems Pharmacology, 2021, 10, 241-254.	2.5	17
1898	Optimal mileage-based PV array reconfiguration using swarm reinforcement learning. Energy Conversion and Management, 2021, 232, 113892.	9.2	51
1899	First-person representations and responsible agency in AI. Synthese, 2021, 199, 7061-7079.	1.1	5
1900	Improving ranking function and diversification in interactive recommendation systems based on deep reinforcement learning. , 2021, , .		2
1901	Sustainable society based on social gamification using Nova Empire ecology mining. Sustainable Cities and Society, 2021, 66, 102666.	10.4	5
1902	Investigating the impacts of artificial intelligence technology on technological innovation from a patent perspective. Applied Mathematics and Nonlinear Sciences, 2021, , .	1.6	2
1903	Machine Learning Methodologies for Prediction of Rhythm-Control Strategy in Patients Diagnosed With Atrial Fibrillation: Observational, Retrospective, Case-Control Study. JMIR Medical Informatics, 2021, 9, e29225.	2.6	5
1904	Simulating multi-exit evacuation using deep reinforcement learning. Transactions in GIS, 2021, 25, 1542-1564.	2.3	11
1905	An Automatic Identification Method for the Blink Artifacts in the Magnetoencephalography with Machine Learning. Applied Sciences (Switzerland), 2021, 11, 2415.	2.5	3
1906	Mobility-Aware Charging Scheduling for Shared On-Demand Electric Vehicle Fleet Using Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2021, 12, 1380-1393.	9.0	90
1907	Applying Neural Networks to the F-35 Seam Validation Process. , 2021, , .		1
1908	Competitive Physical Human-Robot Game Play. , 2021, , .		6
1909	Fusing Stretchable Sensing Technology with Machine Learning for Human-Machine Interfaces. Advanced Functional Materials, 2021, 31, 2008807.	14.9	84
1910	Data-driven control of complex networks. Nature Communications, 2021, 12, 1429.	12.8	72
1911	Identification circuit based on memristor. Journal of Physics: Conference Series, 2021, 1827, 012007.	0.4	1
1913	Deepening the IDA* algorithm for knowledge graph reasoning through neural network architecture. Neurocomputing, 2021, 429, 101-109.	5.9	11
1914	Review of deep learning for photoacoustic imaging. Photoacoustics, 2021, 21, 100215.	7.8	86

#	ARTICLE	IF	CITATIONS
1915	Pushing Mathematical Limits, a Neural Network Learns Fluid Flow. Engineering, 2021, 7, 550-550.	6.7	0
1916	The fundamental principles of reproducibility. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200210.	3.4	17
1917	Maximum Information Measure Policies in Reinforcement Learning with Deep Energy-Based Model. , 2021, , .		36
1918	A deep learning approach to identify unhealthy advertisements in street view images. Scientific Reports, 2021, 11, 4884.	3.3	12
1920	Morality in the Age of Artificially Intelligent Algorithms. Academy of Management Learning and Education, 2022, 21, 139-155.	2.5	35
1921	Potential Deep Learning Solutions to Persistent and Emerging Big Data Challenges”A Practitioners” Cookbook. ACM Computing Surveys, 2021, 54, 1-39.	23.0	1
1922	A study on a Q-Learning algorithm application to a manufacturing assembly problem. Journal of Manufacturing Systems, 2021, 59, 426-440.	13.9	16
1923	Parallelism in Autonomous Robotic Surgery. IEEE Robotics and Automation Letters, 2021, 6, 1824-1831.	5.1	6
1924	A Method of Delivering Fuel to Telecommunication Exchange Buildings in Disaster Response. , 2021, , .		0
1925	Automatic discovery of interpretable planning strategies. Machine Learning, 2021, 110, 2641-2683.	5.4	7
1926	A Hybrid MPC for Constrained Deep Reinforcement Learning applied for Planar Robotic Arm. ISA Transactions, 2021, , .	5.7	4
1927	Data-Driven Fairness-Aware Vehicle Displacement for Large-Scale Electric Taxi Fleets. , 2021, , .		13
1928	Player Behavior Modeling for Enhancing Role-Playing Game Engagement. IEEE Transactions on Computational Social Systems, 2021, 8, 464-474.	4.4	8
1929	Collective and synchronous dynamics of photonic spiking neurons. Nature Communications, 2021, 12, 2325.	12.8	25
1930	Machine learning in information systems - a bibliographic review and open research issues. Electronic Markets, 2021, 31, 643-670.	8.1	18
1931	The application of imperfect information game theory in social games. Journal of Physics: Conference Series, 2021, 1883, 012068.	0.4	1
1933	Intelligent Scheduling with Reinforcement Learning. Applied Sciences (Switzerland), 2021, 11, 3710.	2.5	11
1934	A DEVS Based Methodological Framework for Reinforcement Learning Agent Training. IEEE Latin America Transactions, 2021, 19, 679-687.	1.6	0

#	ARTICLE	IF	CITATIONS
1935	Wait, But Why?: Assessing Behavior Explanation Strategies for Real-Time Strategy Games. , 2021, , .		7
1936	CrowdRL: An End-to-End Reinforcement Learning Framework for Data Labelling. , 2021, , .		9
1937	How will artificial intelligence and bioinformatics change our understanding of IgA Nephropathy in the next decade?. Seminars in Immunopathology, 2021, 43, 739-752.	6.1	17
1938	A Selective Overview of Deep Learning. Statistical Science, 2021, 36, 264-290.	2.8	44
1939	Co-Evolution of Predator-Prey Ecosystems by Reinforcement Learning Agents. Entropy, 2021, 23, 461.	2.2	4
1940	A primer on the application of neural networks to covering array generation. Optimization Methods and Software, 2022, 37, 1165-1202.	2.4	0
1941	Demonstration actor critic. Neurocomputing, 2021, 434, 194-202.	5.9	4
1942	An algorithm of moving pieces to become black alternation with white based on dimension reduction. Applied Mathematics and Nonlinear Sciences, 2021, 6, 163-170.	1.6	2
1943	Multi-agent reinforcement learning approach for hedging portfolio problem. Soft Computing, 2021, 25, 7877-7885.	3.6	6
1944	Improved Learning of Robot Manipulation Tasks Via Tactile Intrinsic Motivation. IEEE Robotics and Automation Letters, 2021, 6, 2194-2201.	5.1	11
1945	Chalcogenide phase-change devices for neuromorphic photonic computing. Journal of Applied Physics, 2021, 129, .	2.5	35
1946	Bloody Mahjong playing strategy based on the integration of deep learning and XGBoost. CAAI Transactions on Intelligence Technology, 2022, 7, 95-106.	8.1	11
1948	An outer-approximation guided optimization approach for constrained neural network inverse problems. Mathematical Programming, 0, , 1.	2.4	2
1949	Deep Learning for Daily Precipitation and Temperature Downscaling. Water Resources Research, 2021, 57, e2020WR029308.	4.2	65
1950	Introduction of a new dataset and method for location predicting based on deep learning in wargame. Journal of Intelligent and Fuzzy Systems, 2021, 40, 9259-9275.	1.4	2
1951	Microcombs for ultrahigh bandwidth optical data transmission and neural networks. , 2021, , .		1
1952	Predictive Control of a Robot Manipulator with Deep Reinforcement Learning. , 2021, , .		0
1953	Trusting Automation: Designing for Responsivity and Resilience. Human Factors, 2023, 65, 137-165.	3.5	87

#	ARTICLE	IF	CITATIONS
1954	Nonlinear Approximation and (Deep) ReLU Networks. Constructive Approximation, 2022, 55, 127-172.	3.0	62
1955	Combined charge difficulty evaluation and testees level for intellect appraisal. Materials Today: Proceedings, 2021, , .	1.8	1
1956	Learning image-based Receding Horizon Planning for manipulation in clutter. Robotics and Autonomous Systems, 2021, 138, 103730.	5.1	7
1957	Turbo-AI, Part I: Iterative Machine Learning Based Channel Estimation for 2D Massive Arrays. , 2021, , .		1
1958	Cuttlefish: Neural Configuration Adaptation for Video Analysis in Live Augmented Reality. IEEE Transactions on Parallel and Distributed Systems, 2021, 32, 830-841.	5.6	13
1959	How higher goals are constructed and collapse under stress: A hierarchical Bayesian control systems perspective. Neuroscience and Biobehavioral Reviews, 2021, 123, 257-285.	6.1	16
1960	Large-scale neuromorphic optoelectronic computing with a reconfigurable diffractive processing unit. Nature Photonics, 2021, 15, 367-373.	31.4	266
1961	NeuroCrypt: Machine Learning Over Encrypted Distributed Neuroimaging Data. Neuroinformatics, 2022, 20, 91-108.	2.8	6
1962	Exploring the Impact of Coordination in Human-Agent Teams. Journal of Cognitive Engineering and Decision Making, 2021, 15, 97-115.	2.3	6
1963	Digital Health Europe (DHE) Twinning on severe asthma kick-off meeting report. Journal of Thoracic Disease, 2021, 13, 3215-3225.	1.4	0
1964	Prediction of patient disposition: comparison of computer and human approaches and a proposed synthesis. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1736-1745.	4.4	7
1965	Predicting performance indicators with ANNs for AI-based online scheduling in dynamically interconnected assembly systems. Production Engineering, 2021, 15, 619-633.	2.3	15
1966	DRAS-CQSim: A reinforcement learning based framework for HPC cluster scheduling. Software Impacts, 2021, 8, 100077.	1.4	5
1967	An effective MCTS-based algorithm for minimizing makespan in dynamic flexible job shop scheduling problem. Computers and Industrial Engineering, 2021, 155, 107211.	6.3	39
1968	Work in Progress: Role-based Deep Reinforcement Learning with Information Sharing for Intelligent Unmanned Systems. , 2021, , .		0
1969	Increasing Reliance on Financial Advice with Avatars: The Effects of Competence and Complexity on Algorithm Aversion. Journal of Information Systems, 2022, 36, 7-17.	1.2	1
1970	Combining genetic algorithm with machine learning strategies for designing potent antimicrobial peptides. BMC Bioinformatics, 2021, 22, 239.	2.6	34
1971	InferBERT: A Transformer-Based Causal Inference Framework for Enhancing Pharmacovigilance. Frontiers in Artificial Intelligence, 2021, 4, 659622.	3.4	19

#	ARTICLE	IF	CITATIONS
1972	What Are We Really Testing in Mutation Testing for Machine Learning? A Critical Reflection. , 2021, , .		5
1973	Automated synthesis of steady-state continuous processes using reinforcement learning. Frontiers of Chemical Science and Engineering, 2022, 16, 288-302.	4.4	10
1974	Direct and indirect reinforcement learning. International Journal of Intelligent Systems, 2021, 36, 4439-4467.	5.7	9
1975	Machine learning and quantum devices. SciPost Physics Lecture Notes, 0, , .	0.0	12
1976	Leveraging Domain Knowledge for Robust Deep Reinforcement Learning in Networking. , 2021, , .		1
1977	Crowd Evacuation Simulation Using Hierarchical Deep Reinforcement Learning. , 2021, , .		10
1978	Encrypted Value Iteration and Temporal Difference Learning over Leveled Homomorphic Encryption. , 2021, , .		8
1980	Rich-text document styling restoration via reinforcement learning. Frontiers of Computer Science, 2021, 15, 1.	2.4	3
1981	Recent Progress on Emerging Transistor-Based Neuromorphic Devices. Advanced Intelligent Systems, 2021, 3, 2000210.	6.1	47
1982	Machine-learning optimized method for regional control of sound fields. Extreme Mechanics Letters, 2021, 45, 101297.	4.1	20
1983	Predictive Intelligence for Learning and Optimization. , 2021, , 162-188.		0
1984	Artificial intelligence technology, capitalism, and the question of unemployment. , 0, , .		0
1985	Neural network approximation. Acta Numerica, 2021, 30, 327-444.	10.7	57
1986	Communicate with Traffic Lights and Vehicles Based on Multi-Agent Reinforcement Learning. , 2021, , .		3
1987	A deep reinforcement learning approach to mountain railway alignment optimization. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 73-92.	9.8	46
1988	Superconducting nanowire single-photon detectors: A perspective on evolution, state-of-the-art, future developments, and applications. Applied Physics Letters, 2021, 118, .	3.3	124
1989	A deep learning system for detecting diabetic retinopathy across the disease spectrum. Nature Communications, 2021, 12, 3242.	12.8	188
1990	A novel handwritten Turkish letter recognition model based on convolutional neural network. Concurrency Computation Practice and Experience, 2021, 33, e6429.	2.2	3

#	ARTICLE	IF	CITATIONS
1991	Towards Optimal Attacks on Reinforcement Learning Policies. , 2021, , .		3
1992	Deep-Reinforcement-Learning-Based Capacity Scheduling for PV-Battery Storage System. IEEE Transactions on Smart Grid, 2021, 12, 2272-2283.	9.0	58
1993	Reinforcement learning of occupant behavior model for cross-building transfer learning to various HVAC control systems. Energy and Buildings, 2021, 238, 110860.	6.7	49
1994	Deep Reinforcement Agent for Scheduling in HPC. , 2021, , .		14
1995	Artificial intelligence in dermatology and healthcare: An overview. Indian Journal of Dermatology, Venereology and Leprology, 2021, 87, 1-11.	0.6	16
1996	Taking the leap between analytical chemistry and artificial intelligence: A tutorial review. Analytica Chimica Acta, 2021, 1161, 338403.	5.4	75
1997	Integrating Production Planning with Truck-Dispatching Decisions through Reinforcement Learning While Managing Uncertainty. Minerals (Basel, Switzerland), 2021, 11, 587.	2.0	20
1998	Prediction of COVID-19 Hospital Length of Stay and Risk of Death Using Artificial Intelligence-Based Modeling. Frontiers in Medicine, 2021, 8, 592336.	2.6	19
1999	A physics-guided reinforcement learning framework for an autonomous manufacturing system with expensive data. , 2021, , .		2
2000	The Application of Convolutional Neural Networks (CNNs) to Recognize Defects in 3D-Printed Parts. Materials, 2021, 14, 2575.	2.9	13
2001	Integration of Convolutional Neural Networks in Mobile Applications. , 2021, , .		2
2002	Real-time multi-task diffractive deep neural networks via hardware-software co-design. Scientific Reports, 2021, 11, 11013.	3.3	24
2003	Pre-training with asynchronous supervised learning for reinforcement learning based autonomous driving. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 673-686.	2.6	5
2004	Reinforcement learning-based particle swarm optimization for sewage treatment control. Complex & Intelligent Systems, 2021, 7, 2199-2210.	6.5	26
2005	Single-step deep reinforcement learning for open-loop control of laminar and turbulent flows. Physical Review Fluids, 2021, 6, .	2.5	28
2006	MG-BERT: leveraging unsupervised atomic representation learning for molecular property prediction. Briefings in Bioinformatics, 2021, 22, .	6.5	62
2007	Predicting the 10-year risk of cataract surgery using machine learning techniques on questionnaire data: findings from the 45 and Up Study. British Journal of Ophthalmology, 2022, 106, 1503-1507.	3.9	5
2008	Single Silicon Neuron Device Enabling Neuronal Oscillation and Stochastic Dynamics. IEEE Electron Device Letters, 2021, 42, 649-652.	3.9	16

#	ARTICLE	IF	CITATIONS
2009	Autonomous Maintenance in IoT Networks via Aol-driven Deep Reinforcement Learning. , 2021, , .		5
2010	AlphaZero with Real-Time Opponent Skill Adaptation. , 2021, , .		1
2011	Robust diagnostic classification via Q-learning. Scientific Reports, 2021, 11, 11730.	3.3	8
2012	Learning Optimal Lattice Codes for MIMO Communications. , 2021, , .		1
2013	Diagnosis of central serous chorioretinopathy by deep learning analysis of en face images of choroidal vasculature: A pilot study. PLoS ONE, 2021, 16, e0244469.	2.5	8
2014	A machine learning based Bayesian optimization solution to non-linear responses in dusty plasmas. Machine Learning: Science and Technology, 2021, 2, 035017.	5.0	6
2015	Nobel Turing Challenge: creating the engine for scientific discovery. Npj Systems Biology and Applications, 2021, 7, 29.	3.0	31
2016	Machine Learning Based Network Censorship. , 2021, , .		2
2017	On Finite-Time Convergence of Actor-Critic Algorithm. IEEE Journal on Selected Areas in Information Theory, 2021, 2, 652-664.	2.5	15
2018	Energy-Efficient Deep Reinforcement Learning Accelerator Designs for Mobile Autonomous Systems. , 2021, , .		2
2019	The Agent Web Model: modeling web hacking for reinforcement learning. International Journal of Information Security, 2022, 21, 293-309.	3.4	6
2020	Memristor-Based Neural Network Circuit of Emotion Congruent Memory With Mental Fatigue and Emotion Inhibition. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 606-616.	4.0	60
2021	Autonomous quadrotor obstacle avoidance based on dueling double deep recurrent Q-learning with monocular vision. Neurocomputing, 2021, 441, 300-310.	5.9	20
2022	Decentralized multi-agent reinforcement learning with networked agents: recent advances. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 802-814.	2.6	29
2023	Security Improvement and Privacy Preservation in E-Health. , 2021, , .		2
2024	Recent advances in leveraging human guidance for sequential decision-making tasks. Autonomous Agents and Multi-Agent Systems, 2021, 35, 1.	2.1	5
2025	QPlane. , 2021, , .		3
2026	DNN2: A hyper-parameter reinforcement learning game for self-design of neural network based elasto-plastic constitutive descriptions. Computers and Structures, 2021, 249, 106505.	4.4	34

#	ARTICLE	IF	CITATIONS
2027	Understanding the Impact of Neural Variations and Random Connections on Inference. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 612937.	2.1	1
2028	A long short-term memory-fully connected (LSTM-FC) neural network for predicting the incidence of bronchopneumonia in children. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56892-56905.	5.3	11
2029	Adaptive quantum state tomography with neural networks. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	29
2030	Modular design patterns for hybrid learning and reasoning systems. <i>Applied Intelligence</i> , 2021, 51, 6528-6546.	5.3	27
2031	Forecasting the Walking Assistance Rehabilitation Level of Stroke Patients Using Artificial Intelligence. <i>Diagnostics</i> , 2021, 11, 1096.	2.6	10
2032	Deep reinforcement learning framework for resilience enhancement of distribution systems under extreme weather events. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 128, 106676.	5.5	35
2033	Experimental semi-autonomous eigensolver using reinforcement learning. <i>Scientific Reports</i> , 2021, 11, 12241.	3.3	2
2034	Complex network perspective on modelling chaotic systems via machine learning*. <i>Chinese Physics B</i> , 2021, 30, 060506.	1.4	4
2035	Socio-cognitive biases in folk AI ethics and risk discourse. <i>AI and Ethics</i> , 2021, 1, 593-610.	6.8	5
2036	Communication Algorithm-Architecture Co-Design for Distributed Deep Learning. , 2021, , .		11
2037	Ten Lessons From Three Generations Shaped Google™s TPUv4i : Industrial Product. , 2021, , .		91
2038	Value targets in off-policy AlphaZero: a new greedy backup. <i>Neural Computing and Applications</i> , 0, , 1.	5.6	4
2039	Optimizing hyperparameters of deep reinforcement learning for autonomous driving based on whale optimization algorithm. <i>PLoS ONE</i> , 2021, 16, e0252754.	2.5	30
2040	AI in Measurement Science. <i>Annual Review of Analytical Chemistry</i> , 2021, 14, 1-19.	5.4	11
2041	Machine learning in materials science: From explainable predictions to autonomous design. <i>Computational Materials Science</i> , 2021, 193, 110360.	3.0	103
2042	Task-level decision-making for dynamic and stochastic human-robot collaboration based on dual agents deep reinforcement learning. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 115, 3533-3552.	3.0	16
2043	Potentials of Machine Learning in Vacuum Electronic Devices Demonstrated by the Design of a Magnetron Injection Gun. <i>IEEE Transactions on Electron Devices</i> , 2021, 68, 3028-3033.	3.0	6
2044	Artificial Intelligence In Interferometric Synthetic Aperture Radar Phase Unwrapping: A Review. <i>IEEE Geoscience and Remote Sensing Magazine</i> , 2021, 9, 10-28.	9.6	50

#	ARTICLE	IF	CITATIONS
2045	GalaxyNet: connecting galaxies and dark matter haloes with deep neural networks and reinforcement learning in large volumes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2115-2136.	4.4	29
2046	MB2: Decomposed Behavior Modeling for Self-Driving Database Management Systems. , 2021, , .		14
2047	AlphaFold â€“ A Personal Perspective on the Impact of Machine Learning. Journal of Molecular Biology, 2021, 433, 167088.	4.2	24
2048	A comprehensive review on the application of artificial intelligence in drug discovery.. The Applied Biology & Chemistry Journal, 0, , 34-48.	0.0	1
2049	Microscopy deep learning predicts virus infections and reveals mechanics of lytic-infected cells. IScience, 2021, 24, 102543.	4.1	14
2050	Deep reinforcement learning with a particle dynamics environment applied to emergency evacuation of a room with obstacles. Physica A: Statistical Mechanics and Its Applications, 2021, 571, 125845.	2.6	18
2051	A novel reinforcement learning-based hyper-heuristic for heterogeneous vehicle routing problem. Computers and Industrial Engineering, 2021, 156, 107252.	6.3	51
2052	A Novel Adaptive Sampling Strategy for Deep Reinforcement Learning. International Journal of Computational Intelligence and Applications, 2021, 20, .	0.8	1
2053	Concept Formation in Computational Creativity: a Comparative Study of Algorithmic Approaches. , 2021,, .		0
2054	Efficiently Mastering the Game of NoGo with Deep Reinforcement Learning Supported by Domain Knowledge. Electronics (Switzerland), 2021, 10, 1533.	3.1	6
2055	Policy Augmentation: An Exploration Strategy For Faster Convergence of Deep Reinforcement Learning Algorithms. , 2021,, .		0
2056	Online anomaly detection in surveillance videos with asymptotic bound on false alarm rate. Pattern Recognition, 2021, 114, 107865.	8.1	57
2057	A graph placement methodology for fast chip design. Nature, 2021, 594, 207-212.	27.8	210
2058	Thermal-Aware Design Space Exploration of 3-D Systolic ML Accelerators. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2021, 7, 70-78.	1.5	9
2059	A Hyperparameters automatic optimization method of time graph convolution network model for traffic prediction. Wireless Networks, 2021, 27, 4411-4419.	3.0	3
2060	A Pragmatic Approach to the Intentional Stance Semantic, Empirical and Ethical Considerations for the Design of Artificial Agents. Minds and Machines, 2021, 31, 505-534.	4.8	9
2061	Risk sensitivity and theory of mind in human coordination. PLoS Computational Biology, 2021, 17, e1009167.	3.2	1
2062	Deep reinforcement learning for the control of conjugate heat transfer. Journal of Computational Physics, 2021, 436, 110317.	3.8	23

#	ARTICLE	IF	CITATIONS
2064	Optimizing task scheduling in human-robot collaboration with deep multi-agent reinforcement learning. Journal of Manufacturing Systems, 2021, 60, 487-499.	13.9	40
2065	Reconfigurable MoS ₂ Memtransistors for Continuous Learning in Spiking Neural Networks. Nano Letters, 2021, 21, 6432-6440.	9.1	33
2066	A review on deep reinforcement learning for fluid mechanics. Computers and Fluids, 2021, 225, 104973.	2.5	104
2067	Accelerating Optimizing the Design of Carbon-based Electrocatalyst via Machine Learning. Electroanalysis, 2022, 34, 599-607.	2.9	9
2068	An Analysis on Very Deep Convolutional Neural Networks: Problems and Solutions. Studia Universitatis Babes-Bolyai: Series Informatica, 2021, 66, 5.	0.2	0
2069	Learning and Animal Movement. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	28
2070	How can artificial intelligence be used for peptidomics?. Expert Review of Proteomics, 2021, 18, 527-556.	3.0	7
2071	Bridging observations, theory and numerical simulation of the ocean using machine learning. Environmental Research Letters, 2021, 16, 073008.	5.2	40
2072	Learn and Visually Explain Deep Fair Models: an Application to Face Recognition. , 2021, , .		0
2073	Nanoparticle synthesis assisted by machine learning. Nature Reviews Materials, 2021, 6, 701-716.	48.7	179
2074	Nonlinear Optimal Control Using Deep Reinforcement Learning. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2022, , 279-290.	0.2	1
2075	Simulating a logistics enterprise using an asymmetrical wargame simulation with soar reinforcement learning and coevolutionary algorithms. , 2021, , .		5
2076	Attentive Update of Multi-Critic for Deep Reinforcement Learning. , 2021, , .		1
2077	Recent Advances in Deep Reinforcement Learning Applications for Solving Partially Observable Markov Decision Processes (POMDP) Problems: Part 1—Fundamentals and Applications in Games, Robotics and Natural Language Processing. Machine Learning and Knowledge Extraction, 2021, 3, 554-581.	5.0	23
2079	Dynamically adjusting the <i>k</i> -values of the ATCS rule in a flexible flow shop scenario with reinforcement learning. International Journal of Production Research, 2023, 61, 147-161.	7.5	13
2080	Integrated digital twin and blockchain framework to support accountable information sharing in construction projects. Automation in Construction, 2021, 127, 103688.	9.8	187
2081	Trust, but Verify: Alleviating Pessimistic Errors in Model-Based Exploration. , 2021, , .		0
2082	Improving Model-Based Reinforcement Learning with Internal State Representations through Self-Supervision. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
2083	Mastering the Game of Amazons Fast by Decoupling Network Learning. , 2021, , .		1
2084	DeepComp: Deep reinforcement learning based renewable energy error compensable forecasting. Applied Energy, 2021, 294, 116970.	10.1	12
2085	Learning the Fastest RNA Folding Path Based on Reinforcement Learning and Monte Carlo Tree Search. Molecules, 2021, 26, 4420.	3.8	3
2087	Review of wheeled mobile robot collision avoidance under unknown environment. Science Progress, 2021, 104, 003685042110377.	1.9	8
2088	Surgical data science and artificial intelligence for surgical education. Journal of Surgical Oncology, 2021, 124, 221-230.	1.7	33
2089	Machine Learning Perspective in VLSI Computer-Aided Design at Different Abstraction Levels. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 95-112.	0.7	17
2090	Highly sensitive flexible tactile perceptual interactive platform with functions of Braille code recognition. Journal Physics D: Applied Physics, 2021, 54, 375102.	2.8	4
2091	A Monte Carlo Neural Fictitious Self-Play approach to approximate Nash Equilibrium in imperfect-information dynamic games. Frontiers of Computer Science, 2021, 15, 1.	2.4	7
2092	Predicting drug-microbiome interactions with machine learning. Biotechnology Advances, 2022, 54, 107797.	11.7	39
2093	Deep Reinforcement Learning for Generalizable Field Development Optimization. SPE Journal, 2022, 27, 226-245.	3.1	16
2094	What are the Most Important Statistical Ideas of the Past 50 Years?. Journal of the American Statistical Association, 2021, 116, 2087-2097.	3.1	25
2095	Inverted Pendulum Control with a Robotic Arm using Deep Reinforcement Learning. , 2021, , .		1
2096	A Novel Model-Based Reinforcement Learning Attitude Control Method for Virtual Reality Satellite. Wireless Communications and Mobile Computing, 2021, 2021, 1-11.	1.2	2
2097	Machine Learning Based Precision Orientation and Strain Mapping from 4D Diffraction Datasets. Microscopy and Microanalysis, 2021, 27, 1276-1278.	0.4	0
2098	Deep reinforcement learning for inventory control: A roadmap. European Journal of Operational Research, 2022, 298, 401-412.	5.7	56
2099	Modified action decoder using Bayesian reasoning for multi-agent deep reinforcement learning. International Journal of Machine Learning and Cybernetics, 2021, 12, 2947-2961.	3.6	10
2100	A3T-GCN: Attention Temporal Graph Convolutional Network for Traffic Forecasting. ISPRS International Journal of Geo-Information, 2021, 10, 485.	2.9	116
2101	A systematic review on AI/ML approaches against COVID-19 outbreak. Complex & Intelligent Systems, 2021, 7, 2655-2678.	6.5	48

#	ARTICLE	IF	CITATIONS
2102	Aligning artificial intelligence with human values: reflections from a phenomenological perspective. <i>AI and Society</i> , 2022, 37, 1383-1395.	4.6	13
2103	WATuning: A Workload-Aware Tuning System with Attention-Based Deep Reinforcement Learning. <i>Journal of Computer Science and Technology</i> , 2021, 36, 741-761.	1.5	13
2104	Costly Features Classification using Monte Carlo Tree Search. , 2021, , .		12
2105	Hierarchical Deep Reinforcement Learning Approach for Multi-Objective Scheduling With Varying Queue Sizes. , 2021, , .		0
2106	A Reinforcement Learning-Based Control Approach for Unknown Nonlinear Systems with Persistent Adversarial Inputs. , 2021, , .		1
2107	Integrative Structural Biology in the Era of Accurate Structure Prediction. <i>Journal of Molecular Biology</i> , 2021, 433, 167127.	4.2	36
2108	Predicting Macro Basis Functions for Method of Moments Scattering Problems Using Deep Neural Networks. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1200-1204.	4.0	2
2109	A Marr's Threeâ€Level Analytical Framework for Neuromorphic Electronic Systems. <i>Advanced Intelligent Systems</i> , 2021, 3, 2100054.	6.1	3
2110	Reinforcement learning approach to thermal transparency with particles in periodic lattices. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	7
2111	Linguistic processor of the integrated system for solving planimetric problems. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2021, 25, 185-193.	1.0	2
2112	Exploratory analysis of the Monte Carlo tree search for solving the linear ordering problem. , 2021, , .		1
2113	Predictive PER: Balancing Priority and Diversity Towards Stable Deep Reinforcement Learning. , 2021, , .		3
2114	Photonic decision-making for arbitrary-number-armed bandit problem utilizing parallel chaos generation. <i>Optics Express</i> , 2021, 29, 25290.	3.4	0
2115	Deep fair models for complex data: Graphs labeling and explainable face recognition. <i>Neurocomputing</i> , 2022, 470, 318-334.	5.9	13
2116	A review of artificial intelligence applications for motion tracking in radiotherapy. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021, 65, 596-611.	1.8	8
2117	Automating Electron Microscopy through Machine Learning and USETEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 2988-2989.	0.4	8
2118	Quantifying the separability of data classes in neural networks. <i>Neural Networks</i> , 2021, 139, 278-293.	5.9	26
2119	AIBPO: Combine the Intrinsic Reward and Auxiliary Task for 3D Strategy Game. <i>Complexity</i> , 2021, 2021, 1-9.	1.6	0

#	ARTICLE	IF	CITATIONS
2120	Opacity. , 2021, , 63-82.		0
2121	Structure and Randomness in Planning and Reinforcement Learning. , 2021, , .		0
2122	Bolstering Adversarial Robustness with Latent Disparity Regularization. , 2021, , .		3
2123	Pairing conceptual modeling with machine learning. Data and Knowledge Engineering, 2021, 134, 101909.	3.4	17
2124	Toward Learning Trustworthily from Data Combining Privacy, Fairness, and Explainability: An Application to Face Recognition. Entropy, 2021, 23, 1047.	2.2	8
2126	Autonomous algorithmic collusion: Qâlearning under sequential pricing. RAND Journal of Economics, 2021, 52, 538-558.	2.3	79
2127	Deep Reinforcement Learning for Constrained Field Development Optimization in Subsurface Two-phase Flow. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	1.3	12
2128	Harnessing artificial intelligence for the next generation of 3D printed medicines. Advanced Drug Delivery Reviews, 2021, 175, 113805.	13.7	83
2129	Deep reinforcement learning for modeling human locomotion control in neuromechanical simulation. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 126.	4.6	45
2131	Automated Flowsheet Synthesis Using Hierarchical Reinforcement Learning: Proof of Concept. Chemie-Ingenieur-Technik, 2021, 93, 2010-2018.	0.8	12
2132	Self-Imitation Learning for Robot Tasks with Sparse and Delayed Rewards. , 2021, , .		1
2133	A unified psychological space for human perception of physical and social events. Cognitive Psychology, 2021, 128, 101398.	2.2	3
2134	On the Design of Social Robots Using Sheaf Theory and Smart Contracts. Frontiers in Robotics and AI, 2021, 8, 559380.	3.2	0
2135	Data Analytics for Environmental Science and Engineering Research. Environmental Science & Technology, 2021, 55, 10895-10907.	10.0	44
2136	Combining Tree Search and Action Prediction for State-of-the-Art Performance in DouDiZhu. , 2021, , .		0
2137	Anchor: The achieved goal to replace the subgoal for hierarchical reinforcement learning. Knowledge-Based Systems, 2021, 225, 107128.	7.1	6
2138	Predicting shockwaves in radiograph images using different deep learning models. , 2021, , .		0
2139	An alliance of humans and machines for machine learning: Hybrid intelligent systems and their design principles. Technology in Society, 2021, 66, 101647.	9.4	24

#	ARTICLE	IF	CITATIONS
2140	Anatomizing the Elo transfer network of Weiqi players. European Physical Journal B, 2021, 94, 1.	1.5	1
2141	Conditional StyleGAN modelling and analysis for a machining digital twin. Integrated Computer-Aided Engineering, 2021, 28, 399-415.	4.6	12
2142	Molecular design in drug discovery: a comprehensive review of deep generative models. Briefings in Bioinformatics, 2021, 22, .	6.5	61
2143	A conceptual framework for establishing trust in real world intelligent systems. Cognitive Systems Research, 2021, 68, 143-155.	2.7	2
2144	A Smart Vehicular Forward Collision Alert System using Neural Network. International Journal of Computer Applications, 2021, 183, 8-17.	0.2	0
2145	Time and Action Co-Training in Reinforcement Learning Agents. Frontiers in Control Engineering, 2021, 2, .	0.6	0
2146	Resource Allocation in Uplink NOMA-IoT Networks: A Reinforcement-Learning Approach. IEEE Transactions on Wireless Communications, 2021, 20, 5083-5098.	9.2	47
2147	Track-to-Learn: A general framework for tractography with deep reinforcement learning. Medical Image Analysis, 2021, 72, 102093.	11.6	8
2148	A welcome of the Immunologic Research's new editors. Immunologic Research, 2021, 69, 307-308.	2.9	0
2149	Uniform error estimates for artificial neural network approximations for heat equations. IMA Journal of Numerical Analysis, 2022, 42, 1991-2054.	2.9	15
2150	Learning the Spatial Perception and Obstacle Avoidance with the Monocular Vision on a Quadrotor. , 2021, , .		2
2151	When Will Robots Be Sentient?. Journal of Artificial Intelligence and Consciousness, 2021, 08, 183-203.	1.2	5
2152	The hierarchical task network planning method based on Monte Carlo Tree Search. Knowledge-Based Systems, 2021, 225, 107067.	7.1	6
2153	Artificial intelligence and systemic risk. Journal of Banking and Finance, 2022, 140, 106290.	2.9	20
2154	DeepRLB: A deep reinforcement learning-based load balancing in data center networks. International Journal of Communication Systems, 2021, 34, e4912.	2.5	8
2155	Systemic formalisation of Cyber-Physical-Social System (CPSS): A systematic literature review. Computers in Industry, 2021, 129, 103458.	9.9	53
2156	Neural Regret-Matching for Distributed Constraint Optimization Problems. , 2021, , .		1
2157	From 5G to 6G Technology: Meets Energy, Internet-of-Things and Machine Learning: A Survey. Applied Sciences (Switzerland), 2021, 11, 8117.	2.5	44

#	ARTICLE	IF	CITATIONS
2158	Self-play reinforcement learning with comprehensive critic in computer games. Neurocomputing, 2021, 449, 207-213.	5.9	17
2159	Neuromorphic bioelectronics based on semiconducting polymers. Journal of Polymer Science, 2022, 60, 348-376.	3.8	23
2160	On the Combination of PID control and Reinforcement Learning: A Case Study with Water Tank System. , 2021, , .		1
2161	Cointegration of single-transistor neurons and synapses by nanoscale CMOS fabrication for highly scalable neuromorphic hardware. Science Advances, 2021, 7, .	10.3	47
2162	Recurrent dynamics in the cerebral cortex: Integration of sensory evidence with stored knowledge. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	44
2163	Predicting Micropollutant Removal by Reverse Osmosis and Nanofiltration Membranes: Is Machine Learning Viable?. Environmental Science & Technology, 2021, 55, 11348-11359.	10.0	44
2164	DECIMER 1.0: deep learning for chemical image recognition using transformers. Journal of Cheminformatics, 2021, 13, 61.	6.1	29
2165	Landscape and training regimes in deep learning. Physics Reports, 2021, 924, 1-18.	25.6	9
2166	Quantum speed-ups in reinforcement learning. , 2021, , .		0
2167	Language and Intelligence. Minds and Machines, 2021, 31, 471-486.	4.8	10
2168	Deep Reinforcement Learning of Map-Based Obstacle Avoidance for Mobile Robot Navigation. SN Computer Science, 2021, 2, 1.	3.6	7
2169	Quark Mass Models and Reinforcement Learning. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
2170	What Can We Learn by Treating Perspective Taking as Problem Solving?. Perspectives on Behavior Science, 2021, 44, 359-387.	1.9	4
2171	A Fast Converged Voltage Control Method based on Deep Reinforcement Learning. , 2021, , .		2
2172	Learning-based resilience guarantee for multi-UAV collaborative QoS management. Pattern Recognition, 2022, 122, 108166.	8.1	6
2173	Quantum reservoir computing in bosonic networks. , 2021, , .		0
2174	Self-Learning Multi-Objective Service Coordination Using Deep Reinforcement Learning. IEEE Transactions on Network and Service Management, 2021, 18, 3829-3842.	4.9	16
2175	Particle Filter Reinforcement via Context-Sensing for Smartphone-Based Pedestrian Dead Reckoning. IEEE Communications Letters, 2021, 25, 3144-3148.	4.1	6

#	ARTICLE	IF	CITATIONS
2176	Development of a Soft Actor Critic deep reinforcement learning approach for harnessing energy flexibility in a Large Office building. Energy and AI, 2021, 5, 100101.	10.6	21
2177	Explainable reinforcement learning in production control of job shop manufacturing system. International Journal of Production Research, 2022, 60, 5812-5834.	7.5	23
2178	More Trees or Larger Trees: Parallelizing Monte Carlo Tree Search. IEEE Transactions on Games, 2021, 13, 315-320.	1.4	6
2179	Artificial intelligence in cancer research, diagnosis and therapy. Nature Reviews Cancer, 2021, 21, 747-752.	28.4	87
2180	Influence of Social Distancing Behavior and Cross-Cultural Motivation on Consumers' Attitude to Using M-Payment Services. Sustainability, 2021, 13, 10676.	3.2	6
2181	Design Strategy Network: A deep hierarchical framework to represent generative design strategies in complex action spaces. Journal of Mechanical Design, Transactions of the ASME, 0, , 1-36.	2.9	10
2182	Combating emerging financial risks in the big data era: A perspective review. Fundamental Research, 2021, 1, 595-606.	3.3	31
2183	A perspective on 6G: Requirement, technology, enablers, challenges and future road map. Journal of Systems Architecture, 2021, 118, 102180.	4.3	25
2185	Machine-specified ground structures for topology optimization of binary trusses using graph embedding policy network. Advances in Engineering Software, 2021, 159, 103032.	3.8	9
2186	Quantum federated learning through blind quantum computing. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	31
2187	Partially Observable Monte Carlo Planning with state variable constraints for mobile robot navigation. Engineering Applications of Artificial Intelligence, 2021, 104, 104382.	8.1	8
2188	Monte Carlo tree search for feature model analyses. , 2021, , .		5
2189	Monte Carlo Tree Search Methods for the Earth-Observing Satellite Scheduling Problem. Journal of Aerospace Information Systems, 2022, 19, 70-82.	1.4	4
2190	Temporal sampling annealing schemes for receding horizon multi-agent planning. Robotics and Autonomous Systems, 2021, 143, 103823.	5.1	0
2191	Lung Cancer and Granuloma Identification Using a Deep Learning Model to Extract 3-Dimensional Radiomics Features in CT Imaging. Clinical Lung Cancer, 2021, 22, e756-e766.	2.6	17
2192	Autonomous Free Flight Operations in Urban Air Mobility With Computational Guidance and Collision Avoidance. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5962-5975.	8.0	26
2193	Bluff body uses deep-reinforcement-learning trained active flow control to achieve hydrodynamic stealth. Physics of Fluids, 2021, 33, .	4.0	23
2194	How Neurons in Deep Models Relate with Neurons in the Brain. Algorithms, 2021, 14, 272.	2.1	2

#	ARTICLE	IF	CITATIONS
2195	Towards reinforcement learning for vulnerability analysis in power-economic systems. Energy Informatics, 2021, 4, .	2.3	5
2196	Latent space data assimilation by using deep learning. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 3759-3777.	2.7	21
2197	Research on a small sample fault diagnosis method for a high-pressure common rail system. Advances in Mechanical Engineering, 2021, 13, 168781402110461.	1.6	9
2198	RLCFR: Minimize counterfactual regret by deep reinforcement learning. Expert Systems With Applications, 2022, 187, 115953.	7.6	2
2199	Simulating SQL injection vulnerability exploitation using Q-learning reinforcement learning agents. Journal of Information Security and Applications, 2021, 61, 102903.	2.5	17
2200	Novel Data-Driven Approach Based on Capsule Network for Intelligent Multi-Fault Detection in Electric Motors. IEEE Transactions on Energy Conversion, 2021, 36, 2173-2184.	5.2	21
2201	A More Hardware-Oriented Spiking Neural Network Based on Leading Memory Technology and Its Application With Reinforcement Learning. IEEE Transactions on Electron Devices, 2021, 68, 4411-4417.	3.0	13
2202	Representation, learning, and planning algorithms for geometric task and motion planning. International Journal of Robotics Research, 2022, 41, 210-231.	8.5	12
2203	Interpretable Decision-Making for Autonomous Vehicles at Highway On-Ramps With Latent Space Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 8707-8719.	6.3	27
2204	Quadrotor Motion Control Using Deep Reinforcement Learning. Journal of Unmanned Vehicle Systems, 0, , .	1.2	5
2205	Deep reinforcement learning for transportation network combinatorial optimization: A survey. Knowledge-Based Systems, 2021, 233, 107526.	7.1	60
2206	Time Series in Sensor Data Using State-of-the-Art Deep Learning Approaches: A Systematic Literature Review. Smart Innovation, Systems and Technologies, 2022, , 503-514.	0.6	2
2207	Towards a User Support System for Computed Tomography Measurements Using Machine Learning. Lecture Notes in Production Engineering, 2022, , 506-514.	0.4	0
2208	Generating Empirical Core Size Distributions of Hedonic Games Using a Monte Carlo Method. International Game Theory Review, 2022, 24, .	0.5	4
2209	SuperMeshing: A New Deep Learning Architecture for Increasing the Mesh Density of Physical Fields in Metal Forming Numerical Simulation. Journal of Applied Mechanics, Transactions ASME, 2022, 89, .	2.2	12
2210	Green biomanufacturing promoted by automatic retrobiosynthesis planning and computational enzyme design. Chinese Journal of Chemical Engineering, 2022, 41, 6-21.	3.5	1
2211	Ready, Steady, Go AI: A practical tutorial on fundamentals of artificial intelligence and its applications in phenomics image analysis. Patterns, 2021, 2, 100323.	5.9	12
2212	Fast and energy-efficient neuromorphic deep learning with first-spike times. Nature Machine Intelligence, 2021, 3, 823-835.	16.0	49

#	ARTICLE	IF	CITATIONS
2213	Gated multi-attention representation in reinforcement learning. Knowledge-Based Systems, 2021, 233, 107535.	7.1	5
2214	Two-stage training algorithm for AI robot soccer. PeerJ Computer Science, 2021, 7, e718.	4.5	3
2215	Artificial Intelligence Applied to Battery Research: Hype or Reality?. Chemical Reviews, 2022, 122, 10899-10969.	47.7	153
2216	<scp>VIRDOCD</scp>: A <scp>VIRtual DOctor</scp> to predict dengue fatality. Expert Systems, 2022, 39, e12796.	4.5	1
2217	The impact of artificial intelligence on economic growth and welfare. Journal of Macroeconomics, 2021, 69, 103342.	1.3	27
2218	Learning impurity spectral functions from density of states. Journal of Physics Condensed Matter, 2021, 33, 495601.	1.8	0
2219	Population Risk Improvement with Model Compression: An Information-Theoretic Approach. Entropy, 2021, 23, 1255.	2.2	5
2220	Active Simulation of Transient Wind Field in a Multiple-Fan Wind Tunnel via Deep Reinforcement Learning. Journal of Engineering Mechanics - ASCE, 2021, 147, .	2.9	11
2221	Learned Provability Likelihood for Tactical Search. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 342, 78-85.	0.8	0
2222	Deep reinforcement learning in transportation research: A review. Transportation Research Interdisciplinary Perspectives, 2021, 11, 100425.	2.7	19
2223	Disrupting 3D printing of medicines with machine learning. Trends in Pharmacological Sciences, 2021, 42, 745-757.	8.7	62
2224	Solving Rubikâ€™s cube via quantum mechanics and deep reinforcement learning. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 425302.	2.1	3
2225	Computing operation procedures for chemical plants using whole-plant simulation models. Control Engineering Practice, 2021, 114, 104878.	5.5	12
2226	Self-learned suppression of roll oscillations based on model-free reinforcement learning. Aerospace Science and Technology, 2021, 116, 106850.	4.8	7
2227	Deep learning in retrosynthesis planning: datasets, models and tools. Briefings in Bioinformatics, 2022, 23, .	6.5	45
2228	Reinforcement-learning-based matter-wave interferometer in a shaken optical lattice. Physical Review Research, 2021, 3, .	3.6	7
2229	Multi-resource constrained dynamic workshop scheduling based on proximal policy optimisation. International Journal of Production Research, 2022, 60, 5937-5955.	7.5	13
2230	Autonomous closed-loop guidance using reinforcement learning in a low-thrust, multi-body dynamical environment. Acta Astronautica, 2021, 186, 1-23.	3.2	31

#	ARTICLE	IF	CITATIONS
2231	A Review of Optimal Energy Management Strategies Using Machine Learning Techniques for Hybrid Electric Vehicles. International Journal of Automotive Technology, 2021, 22, 1437-1452.	1.4	17
2232	Towards a systematic computational framework for modeling multi-agent decision-making at micro level for smart vehicles in a smart world. Robotics and Autonomous Systems, 2021, 144, 103859.	5.1	7
2233	Reward is enough. Artificial Intelligence, 2021, 299, 103535.	5.8	187
2234	Linguistic Processor Integration for Solving Planimetric Problems. International Journal of Cognitive Informatics and Natural Intelligence, 2021, 15, 1-14.	0.4	1
2235	Swarm intelligence goal-oriented approach to data-driven innovation in customer churn management. International Journal of Information Management, 2021, 60, 102357.	17.5	13
2236	Machine-learning based design of digital materials for elastic wave control. Extreme Mechanics Letters, 2021, 48, 101372.	4.1	16
2237	What do reinforcement learning models measure? Interpreting model parameters in cognition and neuroscience. Current Opinion in Behavioral Sciences, 2021, 41, 128-137.	3.9	48
2238	Production scheduling in industrial mining complexes with incoming new information using tree search and deep reinforcement learning. Applied Soft Computing Journal, 2021, 110, 107644.	7.2	19
2239	Learning to traverse over graphs with a Monte Carlo tree search-based self-play framework. Engineering Applications of Artificial Intelligence, 2021, 105, 104422.	8.1	11
2240	Reliability check via weight similarity in privacy-preserving multi-party machine learning. Information Sciences, 2021, 574, 51-65.	6.9	2
2241	A novel neural grey system model with Bayesian regularization and its applications. Neurocomputing, 2021, 456, 61-75.	5.9	25
2242	A Survey on Neural Network Interpretability. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 726-742.	4.9	263
2243	CNN-Enhanced Graph Convolutional Network With Pixel- and Superpixel-Level Feature Fusion for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8657-8671.	6.3	149
2244	Adversarial imitation learning with mixed demonstrations from multiple demonstrators. Neurocomputing, 2021, 457, 365-376.	5.9	4
2245	Animals and AI. The role of animals in AI research and application – An overview and ethical evaluation. Technology in Society, 2021, 67, 101678.	9.4	10
2246	Quantum deep reinforcement learning for rotor side converter control of double-fed induction generator-based wind turbines. Engineering Applications of Artificial Intelligence, 2021, 106, 104451.	8.1	11
2247	A survey on human-aware robot navigation. Robotics and Autonomous Systems, 2021, 145, 103837.	5.1	41
2248	Accelerated discovery of high-performance Cu-Ni-Co-Si alloys through machine learning. Materials and Design, 2021, 209, 109929.	7.0	25

#	ARTICLE	IF	CITATIONS
2249	A multi-agent simulator for generating novelty in monopoly. Simulation Modelling Practice and Theory, 2021, 112, 102364.	3.8	4
2250	$\hat{\Gamma}^2$ -Variational autoencoder as an entanglement classifier. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 417, 127697.	2.1	3
2251	Machine learning based frequency modelling. Mechanical Systems and Signal Processing, 2021, 160, 107915.	8.0	6
2252	Optimization of steam injection in SAGD using reinforcement learning. Journal of Petroleum Science and Engineering, 2021, 206, 108735.	4.2	14
2253	Deep reinforcement learning control of hydraulic fracturing. Computers and Chemical Engineering, 2021, 154, 107489.	3.8	19
2254	Scalable sub-game solving for imperfect-information games. Knowledge-Based Systems, 2021, 231, 107434.	7.1	1
2255	Machine learning accelerates quantum mechanics predictions of molecular crystals. Physics Reports, 2021, 934, 1-71.	25.6	21
2256	Strategic interactions between humans and artificial intelligence: Lessons from experiments with computer players. Journal of Economic Psychology, 2021, 87, 102426.	2.2	23
2257	Shifting Deep Reinforcement Learning Algorithm Toward Training Directly in Transient Real-World Environment: A Case Study in Powertrain Control. IEEE Transactions on Industrial Informatics, 2021, 17, 8198-8206.	11.3	16
2258	Forward and inverse reinforcement learning sharing network weights and hyperparameters. Neural Networks, 2021, 144, 138-153.	5.9	13
2259	Sense and Learn: Self-supervision for omnipresent sensors. Machine Learning With Applications, 2021, 6, 100152.	4.4	12
2260	Controlling distributed energy resources via deep reinforcement learning for load flexibility and energy efficiency. Applied Energy, 2021, 304, 117733.	10.1	40
2261	A rational reinterpretation of dual-process theories. Cognition, 2021, 217, 104881.	2.2	11
2262	Energy-conscious optimization of Edge Computing through Deep Reinforcement Learning and two-phase immersion cooling. Future Generation Computer Systems, 2021, 125, 891-907.	7.5	20
2263	Electronic health records based reinforcement learning for treatment optimizing. Information Systems, 2022, 104, 101878.	3.6	21
2264	Wealth Flow Model: Online Portfolio Selection Based on Learning Wealth Flow Matrices. ACM Transactions on Knowledge Discovery From Data, 2022, 16, 1-27.	3.5	0
2265	Machine learning for the design and discovery of zeolites and porous crystalline materials. Current Opinion in Chemical Engineering, 2022, 35, 100739.	7.8	14
2266	Robotic seam tracking system combining convolution filter and deep reinforcement learning. Mechanical Systems and Signal Processing, 2022, 165, 108372.	8.0	28

#	ARTICLE	IF	CITATIONS
2267	Computer-aided retrosynthetic design: fundamentals, tools, and outlook. Current Opinion in Chemical Engineering, 2022, 35, 100721.	7.8	11
2268	Cost-effective ensemble models selection using deep reinforcement learning. Information Fusion, 2022, 77, 133-148.	19.1	11
2269	A reinforcement learning-based economic model predictive control framework for autonomous operation of chemical reactors. Chemical Engineering Journal, 2022, 428, 130993.	12.7	18
2271	Computers and Network. Lecture Notes on Numerical Methods in Engineering and Sciences, 2021, , 3-10.	0.0	0
2272	Solving the Rubik's cube with stepwise deep learning. Expert Systems, 2021, 38, e12665.	4.5	5
2273	Insightful artificial intelligence. Mind and Language, 2021, 36, 315-329.	2.3	15
2274	Looking Back on the Actor-Critic Architecture. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 40-50.	9.3	15
2275	Distributional Soft Actor-Critic: Off-Policy Reinforcement Learning for Addressing Value Estimation Errors. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6584-6598.	11.3	55
2276	Adaptive Progressive Continual Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, 44, 6715-6728.	13.9	8
2277	Loopless Variance Reduced Stochastic ADMM for Equality Constrained Problems in IoT Applications. IEEE Internet of Things Journal, 2022, 9, 2293-2303.	8.7	0
2278	Quantum state preparation and its prospects in quantum machine learning. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 1-9.	0.5	1
2279	Transferring Online Reinforcement Learning for Electric Motor Control From Simulation to Real-World Experiments. IEEE Open Journal of Power Electronics, 2021, 2, 187-201.	5.7	16
2280	Introduction: Automation, Autonomy and Artificial Intelligence. Marx, Engels, and Marxisms, 2021, , 1-27.	0.1	0
2281	User-Centric Radio Access Technology Selection: A Survey of Game Theory Models and Multi-Agent Learning Algorithms. IEEE Access, 2021, 9, 84417-84464.	4.2	9
2282	On the Middleware Design, Cyber-Security, Self-monitoring and Self-healing for the Next-Generation IoT. Springer Proceedings in Complexity, 2021, , 305-319.	0.3	0
2283	Lifelong Incremental Reinforcement Learning With Online Bayesian Inference. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4003-4016.	11.3	15
2284	Fast Trajectory Generation and Asteroid Sequence Selection in Multispacecraft for Multiasteroid Exploration. IEEE Transactions on Cybernetics, 2022, 52, 6071-6082.	9.5	3
2285	Fundamental Concepts of Machine Learning. Studies in Computational Intelligence, 2021, , 5-18.	0.9	1

#	ARTICLE	IF	CITATIONS
2286	Differences Between Natural and Artificial Cognitive Systems. , 2021, , 17-27.		5
2287	Artificial intelligence in cancer diagnostics and therapy: current perspectives. Indian Journal of Cancer, 2021, 58, 481.	0.2	8
2288	Multi-Agent Reinforcement Learning: A Selective Overview of Theories and Algorithms. Studies in Systems, Decision and Control, 2021, , 321-384.	1.0	243
2289	Visual Analytics for RNN-Based Deep Reinforcement Learning. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 4141-4155.	4.4	11
2290	Integrated Devices for Non-Invasive Diagnostics. Advanced Functional Materials, 2021, 31, 2010388.	14.9	51
2291	11 TOPS photonic convolutional accelerator for optical neural networks. Nature, 2021, 589, 44-51.	27.8	550
2292	Enhanced Pub/Sub Communications for Massive IoT Traffic with SARSA Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 204-225.	1.3	1
2293	Towards Certifying Trustworthy Machine Learning Systems. Lecture Notes in Computer Science, 2021, , 77-82.	1.3	2
2294	A Study of Neural Training with Iterative Non-Gradient Methods. SSRN Electronic Journal, 0, , .	0.4	0
2295	Reinforcement Learning Control of Robotic Knee With Human-in-the-Loop by Flexible Policy Iteration. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5873-5887.	11.3	19
2296	Towards Autonomous Defense of SDN Networks Using MuZero Based Intelligent Agents. IEEE Access, 2021, 9, 107184-107199.	4.2	11
2297	Hardware-oriented deep reinforcement learning for edge computing. Nonlinear Theory and Its Applications IEICE, 2021, 12, 526-544.	0.6	1
2298	<i>DeepRepair:</i> Style-Guided Repairing for Deep Neural Networks in the Real-World Operational Environment. IEEE Transactions on Reliability, 2022, 71, 1401-1416.	4.6	16
2299	The challenge of controlling microgrids in the presence of rare events with deep reinforcement learning. IET Smart Grid, 2021, 4, 15-28.	2.2	0
2300	Actor vs Critic: Learning the Policy or Learning the Value. Studies in Computational Intelligence, 2021, , 123-133.	0.9	1
2301	Effectiveness of Machine Learning Methods on Gaming Recommendation and Prediction. , 2021, , .		0
2302	Reward Shaping to Improve the Performance of Deep Reinforcement Learning in Inventory Management. SSRN Electronic Journal, 0, , .	0.4	4
2303	Deep Distributional Temporal Difference Learning for Game Playing. Studies in Computational Intelligence, 2021, , 192-206.	0.9	1

#	ARTICLE	IF	CITATIONS
2304	The Future of Retrosynthesis and Synthetic Planning: Algorithmic, Humanistic or the Interplay?. Australian Journal of Chemistry, 2021, 74, 291-326.	0.9	9
2306	Reinforcement Learning for Layout Planning – Modelling the Layout Problem as MDP. IFIP Advances in Information and Communication Technology, 2021, , 471-479.	0.7	6
2307	Traffic Message Channel Prediction Based on Graph Convolutional Network. IEEE Access, 2021, 9, 135423-135431.	4.2	4
2308	Deep Reinforcement Learning for Inventory Control: A Roadmap. SSRN Electronic Journal, 0, , .	0.4	1
2309	Deep Learning-Based Branch-Cut Method for InSAR Two-Dimensional Phase Unwrapping. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15.	6.3	25
2310	Deep Reinforcement Learning (DRL) for Portfolio Allocation. Lecture Notes in Computer Science, 2021, , 527-531.	1.3	8
2311	Adversarial learning in quantum artificial intelligence. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 140302.	0.5	3
2312	DSMC Evaluation Stages: Fostering Robust and Safe Behavior in Deep Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 197-216.	1.3	6
2313	Discrete and continuous representations and processing in deep learning: Looking forward. AI Open, 2021, 2, 143-159.	14.6	7
2314	Creating Pro-Level AI for a Real-Time Fighting Game Using Deep Reinforcement Learning. IEEE Transactions on Games, 2022, 14, 212-220.	1.4	28
2315	Learning Fast Converging, Effective Conditional Generative Adversarial Networks with a Mirrored Auxiliary Classifier. , 2021, , .		3
2316	A Novel Reinforcement Learning Method for Improving Occupant Comfort via Window Opening and Closing. Sustainable Development Goals Series, 2021, , 207-226.	0.4	0
2317	Towards Finding Longer Proofs. Lecture Notes in Computer Science, 2021, , 167-186.	1.3	5
2318	DeepCNV: a deep learning approach for authenticating copy number variations. Briefings in Bioinformatics, 2021, 22, .	6.5	15
2320	An optical neural chip for implementing complex-valued neural network. Nature Communications, 2021, 12, 457.	12.8	251
2321	Synergistic Integration Between Machine Learning and Agent-Based Modeling: A Multidisciplinary Review. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2170-2190.	11.3	13
2323	Deep Reinforcement Learning for Autonomous Driving: A Survey. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4909-4926.	8.0	592
2324	Understanding and Mitigating Gradient Flow Pathologies in Physics-Informed Neural Networks. SIAM Journal of Scientific Computing, 2021, 43, A3055-A3081.	2.8	385

#	ARTICLE	IF	CITATIONS
2325	Search-Based Planning and Reinforcement Learning for Autonomous Systems and Robotics. Studies in Computational Intelligence, 2021, , 481-501.	0.9	1
2326	Application of Deep Reinforcement Learning in Maneuver Planning of Beyond-Visual-Range Air Combat. IEEE Access, 2021, 9, 32282-32297.	4.2	33
2328	Artificial Neural Networks Based on Memristive Devices: From Device to System. Advanced Intelligent Systems, 2020, 2, 2000149.	6.1	39
2329	Detecting Positive Selection in Populations Using Genetic Data. Methods in Molecular Biology, 2020, 2090, 87-123.	0.9	20
2330	AGIL: Learning Attention from Human for Visuomotor Tasks. Lecture Notes in Computer Science, 2018, , 692-707.	1.3	28
2331	Sidekick Policy Learning for Active Visual Exploration. Lecture Notes in Computer Science, 2018, , 424-442.	1.3	15
2332	Group Normalization. Lecture Notes in Computer Science, 2018, , 3-19.	1.3	987
2333	The Sharerâ€™s Dilemma in Collective Adaptive Systems of Self-interested Agents. Lecture Notes in Computer Science, 2018, , 241-256.	1.3	3
2334	Artificial Intelligence and Machine Learning. , 2020, , 1-21.		9
2335	Automatic Generation of a Sub-optimal Agent Population with Learning. Advances in Intelligent Systems and Computing, 2019, , 65-74.	0.6	2
2336	A Hybrid Approach for the Fighting Game AI Challenge: Balancing Case Analysis and Monte Carlo Tree Search for the Ultimate Performance in Unknown Environment. Communications in Computer and Information Science, 2019, , 139-150.	0.5	2
2338	Towards Explainable Artificial Intelligence. Lecture Notes in Computer Science, 2019, , 5-22.	1.3	234
2339	Software and Application Patterns for Explanation Methods. Lecture Notes in Computer Science, 2019, , 399-433.	1.3	7
2340	Compiling Optimization for Neural Network Accelerators. Lecture Notes in Computer Science, 2019, , 15-26.	1.3	2
2341	Leveraging Domain Knowledge for Reinforcement Learning Using MMC Architectures. Lecture Notes in Computer Science, 2019, , 595-607.	1.3	10
2342	DeepEX: Bridging the Gap Between Knowledge and Data Driven Techniques for Time Series Forecasting. Lecture Notes in Computer Science, 2019, , 639-651.	1.3	1
2343	Stepwise Evolutionary Learning Using Deep Learned Guidance Functions. Lecture Notes in Computer Science, 2019, , 50-62.	1.3	2
2344	Transferring Adaptive Theory of Mind to Social Robots: Insights from Developmental Psychology to Robotics. Lecture Notes in Computer Science, 2019, , 77-87.	1.3	4

#	ARTICLE	IF	CITATIONS
2345	Self-learning Routing for Optical Networks. Lecture Notes in Computer Science, 2020, , 467-478.	1.3	6
2346	Artificial Intelligence Theory in Service Management. Lecture Notes in Business Information Processing, 2020, , 137-149.	1.0	1
2347	Bayesian Neural Networks: An Introduction and Survey. Lecture Notes in Mathematics, 2020, , 45-87.	0.2	60
2348	Evaluating the Use of Policy Gradient Optimization Approach for Automatic Cloud Resource Provisioning. Lecture Notes in Computer Science, 2020, , 467-478.	1.3	7
2349	Machine Learning of Combustion LES Models from Reacting Direct Numerical Simulation. , 2020, , 273-292.		5
2350	Sample-Efficient Model-Free Reinforcement Learning with Off-Policy Critics. Lecture Notes in Computer Science, 2020, , 19-34.	1.3	2
2351	Overview of Human-Robot Collaboration in Manufacturing. Lecture Notes in Mechanical Engineering, 2020, , 15-58.	0.4	58
2352	Automatic Management of Cloud Applications with Use of Proximal Policy Optimization. Lecture Notes in Computer Science, 2020, , 73-87.	1.3	5
2353	OpenGraphGym: A Parallel Reinforcement Learning Framework for Graph Optimization Problems. Lecture Notes in Computer Science, 2020, , 439-452.	1.3	5
2354	Robotics, Automation, and the Future of Sports. Future of Business and Finance, 2020, , 53-72.	0.4	3
2355	Prolog Technology Reinforcement Learning Prover. Lecture Notes in Computer Science, 2020, , 489-507.	1.3	12
2356	Neural Simplex Architecture. Lecture Notes in Computer Science, 2020, , 97-114.	1.3	33
2357	Performance Evaluation of VegeCare Tool for Potato Disease Classification. Advances in Intelligent Systems and Computing, 2021, , 470-478.	0.6	3
2358	Leveraging Reinforcement Learning, Constraint Programming and Local Search: A Case Study in Car Manufacturing. Lecture Notes in Computer Science, 2020, , 657-672.	1.3	3
2359	A Simple Way to Make Neural Networks Robust Against Diverse Image Corruptions. Lecture Notes in Computer Science, 2020, , 53-69.	1.3	39
2360	Tracking the Race Between Deep Reinforcement Learning and Imitation Learning. Lecture Notes in Computer Science, 2020, , 11-17.	1.3	8
2361	A Fuzzy-Based Approach for Transmission Control of Sensory Data in Resilient Wireless Sensor Networks During Disaster Situation. Lecture Notes in Networks and Systems, 2021, , 296-303.	0.7	1
2362	Self-adaptive MCTS for General Video Game Playing. Lecture Notes in Computer Science, 2018, , 358-375.	1.3	14

#	ARTICLE	IF	CITATIONS
2363	Learning to Run Challenge: Synthesizing Physiologically Accurate Motion Using Deep Reinforcement Learning. The Springer Series on Challenges in Machine Learning, 2018, , 101-120.	10.4	21
2364	Embodied Cognition and Multi-Agent Behavioral Emergence. Springer Proceedings in Complexity, 2018, , 189-201.	0.3	2
2365	Harm and Consent. CSR, Sustainability, Ethics & Governance, 2019, , 79-107.	0.3	1
2366	Rehabilitation 4.0: Chancen und Herausforderungen der digitalen Transformation in den Rehabilitationswissenschaften. , 2019, , 3-21.		8
2367	Lernende Systeme in Wirtschaft und Gesellschaft. , 2018, , 505-520.		101
2369	Einleitung: Entwicklungswege zur KI. , 2019, , 21-35.		20
2370	Augmented Intelligence â€“ Wie Menschen mit KI zusammen arbeiten. , 2019, , 58-71.		13
2371	Mechanik 4.0. Künstliche Intelligenz zur Analyse mechanischer Systeme. , 2020, , 553-567.		2
2372	Automatic Power Line Detection for Low-Altitude Aircraft Safety Based on Deep Learning. Lecture Notes in Electrical Engineering, 2019, , 169-183.	0.4	5
2373	A Unified Framework of Deep Neural Networks by Capsules. Communications in Computer and Information Science, 2019, , 231-242.	0.5	2
2374	Accountability in Human and Artificial Intelligence Decision-Making as the Basis for Diversity and Educational Inclusion. Perspectives on Rethinking and Reforming Education, 2019, , 39-59.	0.1	17
2375	Search Heuristics for the Optimization of DBN for Time Series Forecasting. Natural Computing Series, 2020, , 131-152.	2.2	2
2376	Pattern Retrieval on the Game of Go. Smart Innovation, Systems and Technologies, 2021, , 587-600.	0.6	2
2377	Accurate Image Recognition of Plant Diseases Based on Multiple Classifiers Integration. Lecture Notes in Electrical Engineering, 2020, , 103-113.	0.4	6
2378	Classification of equation of state in relativistic heavy-ion collisions using deep learning. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
2379	Deep reinforcement learning for the real time control of stormwater systems. Advances in Water Resources, 2020, 140, 103600.	3.8	61
2380	Accelerating materials science with high-throughput computations and machine learning. Computational Materials Science, 2019, 161, 143-150.	3.0	71
2381	Transfer learning for process fault diagnosis: Knowledge transfer from simulation to physical processes. Computers and Chemical Engineering, 2020, 139, 106904.	3.8	57

#	ARTICLE	IF	CITATIONS
2382	Modern Machine Learning Tools for Monitoring and Control of Industrial Processes: A Survey. IFAC-PapersOnLine, 2020, 53, 218-229.	0.9	19
2383	Combining system identification with reinforcement learning-based MPC. IFAC-PapersOnLine, 2020, 53, 8130-8135.	0.9	12
2384	Deep Learning in Mining and Mineral Processing Operations: A Review. IFAC-PapersOnLine, 2020, 53, 11920-11925.	0.9	19
2385	STMAG: A spatial-temporal mixed attention graph-based convolution model for multi-data flow safety prediction. Information Sciences, 2020, 525, 16-36.	6.9	24
2386	A novel reinforcement learning method for improving occupant comfort via window opening and closing. Sustainable Cities and Society, 2020, 61, 102247.	10.4	43
2387	Inverse Design of a Graphene-Based Quantum Transducer via Neuroevolution. Journal of Physical Chemistry C, 2020, 124, 26117-26123.	3.1	8
2388	Tunable Magnetic Vortex Dynamics in Ion-Implanted Permalloy Disks. ACS Applied Materials & Interfaces, 2020, 12, 27812-27818.	8.0	8
2389	Self-taught AI is best yet at strategy game Go. Nature, 0, , .	27.8	11
2390	Exploring optimal control of epidemic spread using reinforcement learning. Scientific Reports, 2020, 10, 22106.	3.3	19
2391	Finding key players in complex networks through deep reinforcement learning. Nature Machine Intelligence, 2020, 2, 317-324.	16.0	165
2392	Chapter 15. Representation Learning in Chemistry. RSC Theoretical and Computational Chemistry Series, 2020, , 372-397.	0.7	3
2393	Deep learning and generative methods in cheminformatics and chemical biology: navigating small molecule space intelligently. Biochemical Journal, 2020, 477, 4559-4580.	3.7	29
2394	Artificial intelligence for microscopy: what you should know. Biochemical Society Transactions, 2019, 47, 1029-1040.	3.4	75
2395	Deploying tactical communication node vehicles with AlphaZero algorithm. IET Communications, 2020, 14, 1392-1396.	2.2	7
2396	Using machine learning to predict extreme events in the HÄnon map. Chaos, 2020, 30, 013113.	2.5	21
2397	Applications of machine learning in spectroscopy. Applied Spectroscopy Reviews, 2021, 56, 733-763.	6.7	46
2398	Quantum machine learning and quantum biomimetics: A perspective. Machine Learning: Science and Technology, 2020, 1, 033002.	5.0	41
2411	Simple heuristics for efficient parallel tensor contraction and quantum circuit simulation. Physical Review A, 2020, 102, .	2.5	11

#	ARTICLE	IF	CITATIONS
2412	Deep learning-enhanced variational Monte Carlo method for quantum many-body physics. Physical Review Research, 2020, 2, .	3.6	25
2413	Deep Q-learning decoder for depolarizing noise on the toric code. Physical Review Research, 2020, 2, .	3.6	16
2414	Recurrent neural network wave functions. Physical Review Research, 2020, 2, .	3.6	112
2415	Quantum adversarial machine learning. Physical Review Research, 2020, 2, .	3.6	55
2416	Reinforcement-learning-assisted quantum optimization. Physical Review Research, 2020, 2, .	3.6	38
2417	Prediction of COVID-19 Using Genetic Deep Learning Convolutional Neural Network (GDCNN). IEEE Access, 2020, 8, 177647-177666.	4.2	80
2418	Iterative Learning Control (ILC) Guided Reinforcement Learning Control (RLC) Scheme for Batch Processes. , 2020, , .		2
2419	Zero-Shot Autonomous Vehicle Policy Transfer: From Simulation to Real-World via Adversarial Learning. , 2020, , .		19
2420	News Sentiment Analysis in Forex Trading Using R-CNN on Deep Recurrent Q-Network. , 2020, , .		4
2421	Safe Reinforcement Learning with Policy-Guided Planning for Autonomous Driving. , 2020, , .		9
2422	Reducing Vibration of A Rotating Machine with Deep Reinforcement Learning. , 2020, , .		2
2423	Learning to Solve Combinatorial Optimization Problems on Real-World Graphs in Linear Time. , 2020, , .		24
2424	HouseExpo: A Large-scale 2D Indoor Layout Dataset for Learning-based Algorithms on Mobile Robots. , 2020, , .		19
2425	Efficient Exploration in Constrained Environments with Goal-Oriented Reference Path. , 2020, , .		15
2426	Agent Coordination in Air Combat Simulation using Multi-Agent Deep Reinforcement Learning. , 2020, , .		10
2427	Coevolutionary Deep Reinforcement Learning. , 2020, , .		1
2428	Supervised Learning Achieves Human-Level Performance in MOBA Games: A Case Study of Honor of Kings. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 908-918.	11.3	12
2429	Toward a Reinforcement Learning Environment Toolbox for Intelligent Electric Motor Control. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 919-928.	11.3	21

#	ARTICLE	IF	CITATIONS
2430	Online Minimax Q Network Learning for Two-Player Zero-Sum Markov Games. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1228-1241.	11.3	29
2431	Semicentralized Deep Deterministic Policy Gradient in Cooperative StarCraft Games. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1584-1593.	11.3	9
2432	Data-Driven Design of Control Strategies for Distributed Energy Systems. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	13
2433	Deep Reinforcement Learning for Procedural Content Generation of 3D Virtual Environments. Journal of Computing and Information Science in Engineering, 2020, 20, .	2.7	9
2434	L1-2D2PCANet: a deep learning network for face recognition. Journal of Electronic Imaging, 2019, 28, 1.	0.9	13
2435	Line roughness estimation and Poisson denoising in scanning electron microscope images using deep learning. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2019, 18, 1.	0.9	18
2436	Deep supervised learning to estimate true rough line images from SEM images. , 2018, , .		5
2437	Pseudo Dyna-Q. , 2020, , .		71
2439	MarlRank. , 2019, , .		7
2440	Relational verification using reinforcement learning. , 2019, 3, 1-30.		8
2441	Cooperative Web Agents by Combining Semantic Technologies with Reinforcement Learning. , 2019, , .		3
2442	Five Challenges in Cloud-enabled Intelligence and Control. ACM Transactions on Internet Technology, 2020, 20, 1-19.	4.4	22
2443	Extracting Knowledge from Web Text with Monte Carlo Tree Search. , 2020, , .		9
2444	XCS classifier system with experience replay. , 2020, , .		22
2445	Impact of Artificial Intelligence 2.0 on Teaching and Learning. , 2020, , .		1
2446	Self-Play Reinforcement Learning for Fast Image Retargeting. , 2020, , .		12
2447	Aligning Superhuman AI with Human Behavior. , 2020, , .		31
2448	Effective white-box testing of deep neural networks with adaptive neuron-selection strategy. , 2020, , .		31

#	ARTICLE	IF	CITATIONS
2449	Pixelor. ACM Transactions on Graphics, 2020, 39, 1-15.	7.2	20
2450	Deep Integration of Physical Humanoid Control and Crowd Navigation. , 2020, , .		16
2451	Explainable NILM Networks. , 2020, , .		10
2452	Reinforcement learning beyond the Bellman equation: Exploring critic objectives using evolution. , 2020, , .		3
2453	Generating Probabilistic Next-Day Severe Weather Forecasts from Convection-Allowing Ensembles Using Random Forests. Weather and Forecasting, 2020, 35, 1605-1631.	1.4	10
2454	Artificial intelligence in pulmonary medicine: computer vision, predictive model and COVID-19. European Respiratory Review, 2020, 29, 200181.	7.1	47
2455	Development Analysis of Artificial Intelligence and Neural Networks. Computer Science and Application, 2018, 08, 154-165.	0.1	1
2456	Deep learning for camera data acquisition, control, and image estimation. Advances in Optics and Photonics, 2020, 12, 787.	25.5	19
2457	Deep learning in single-molecule microscopy: fundamentals, caveats, and recent developments [Invited]. Biomedical Optics Express, 2020, 11, 1633.	2.9	65
2458	SOON: self-optimizing optical networks with machine learning. Optics Express, 2018, 26, 28713.	3.4	36
2459	Decision making for the multi-armed bandit problem using lag synchronization of chaos in mutually coupled semiconductor lasers. Optics Express, 2019, 27, 26989.	3.4	25
2460	Laser network decision making by lag synchronization of chaos in a ring configuration. Optics Express, 2020, 28, 40112.	3.4	33
2461	Multitask deep-learning-based design of chiral plasmonic metamaterials. Photonics Research, 2020, 8, 1213.	7.0	61
2462	Maschinelles Lernen und Künstliche Intelligenz – Eine Revolution in der Automatisierungstechnik oder nur ein Hype?. Automatisierungstechnik, 2020, 68, 295-300.	0.8	1
2463	NanoLEDs for energy-efficient and gigahertz-speed spike-based sub-Î neuromorphic nanophotonic computing. Nanophotonics, 2020, 9, 4149-4162.	6.0	23
2464	Study on Autonomous Decentralized Voltage Control by Reinforcement Learning. IEEE Transactions on Power and Energy, 2019, 139, 122-129.	0.2	2
2465	LeTS-Drive: Driving in a Crowd by Learning from Tree Search. , 0, , .		17
2466	Generative Adversarial Regularized Mutual Information Policy Gradient Framework for Automatic Diagnosis. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1062-1069.	4.9	32

#	ARTICLE	IF	CITATIONS
2467	Deep Reinforcement Learning: A State-of-the-Art Walkthrough. Journal of Artificial Intelligence Research, 0, 69, 1421-1471.	7.0	27
2468	On Monte Carlo Tree Search and Reinforcement Learning. Journal of Artificial Intelligence Research, 0, 60, 881-936.	7.0	36
2469	Mind, Agency, and Biosemiotics. Journal of Cognitive Science, 2018, 19, 195-228.	0.2	11
2470	Recommendation as a Communication Game: Self-Supervised Bot-Play for Goal-oriented Dialogue. , 2019, , .		37
2471	Deep Dyna-Q: Integrating Planning for Task-Completion Dialogue Policy Learning. , 2018, , .		73
2472	ConvLab: Multi-Domain End-to-End Dialog System Platform. , 2019, , .		34
2473	Assessing Autonomous Algorithmic Collusion: Q-Learning Under Sequential Pricing. SSRN Electronic Journal, 0, , .	0.4	19
2474	Modern Perspectives on Reinforcement Learning in Finance. SSRN Electronic Journal, 0, , .	0.4	19
2475	AlphaPortfolio for Investment and Economically Interpretable AI. SSRN Electronic Journal, 0, , .	0.4	13
2476	Time Your Hedge With Deep Reinforcement Learning. SSRN Electronic Journal, 0, , .	0.4	6
2477	The Applicability of Self-Play Algorithms to Trading and Forecasting Financial Markets: A Feasibility Study. SSRN Electronic Journal, 0, , .	0.4	1
2478	Artificial Intelligence Versus Clinicians in Disease Diagnosis: Systematic Review. JMIR Medical Informatics, 2019, 7, e10010.	2.6	141
2479	Scalable Neural Network Decoders for Higher Dimensional Quantum Codes. Quantum - the Open Journal for Quantum Science, 0, 2, 68.	0.0	34
2480	Quantum error correction for the toric code using deep reinforcement learning. Quantum - the Open Journal for Quantum Science, 0, 3, 183.	0.0	52
2481	Optimizing Quantum Error Correction Codes with Reinforcement Learning. Quantum - the Open Journal for Quantum Science, 0, 3, 215.	0.0	78
2482	Assessing the Business Impact of Artificial Intelligence. , 2020, , .		7
2483	Envision of an Integrated Information System for Projectdriven Production in Construction. , 0, , .		2
2484	Curly: An AI-based Curling Robot Successfully Competing in the Olympic Discipline of Curling. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
2485	An Evolution Strategy with Progressive Episode Lengths for Playing Games. , 2019, , .		7
2486	Decentralized MCTS via Learned Teammate Models. , 2020, , .		7
2487	Scalable Multi-Agent Computational Guidance with Separation Assurance for Autonomous Urban Air Mobility. Journal of Guidance, Control, and Dynamics, 2020, 43, 1473-1486.	2.8	54
2490	Real-Time Underwater Image Recognition with FPGA Embedded System for Convolutional Neural Network. Sensors, 2019, 19, 350.	3.8	37
2492	Meta-control of the exploration-exploitation dilemma emerges from probabilistic inference over a hierarchy of time scales. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 509-533.	2.0	9
2493	Comparative Analysis of Deep Learning Models for Multi-Step Prediction of Financial Time Series. Journal of Computer Science, 2020, 16, 1401-1416.	0.6	6
2494	Application of deep learning to the classification of uterine cervical squamous epithelial lesion from colposcopy images. Molecular and Clinical Oncology, 2019, 11, 583-589.	1.0	25
2495	Application of deep learning to the classification of uterine cervical squamous epithelial lesion from colposcopy images combined with HPV types. Oncology Letters, 2020, 19, 1602-1610.	1.8	23
2496	Enhancing Time-Series Momentum Strategies Using Deep Neural Networks. The Journal of Financial Data Science, 2019, 1, 19-38.	1.3	44
2497	Deep Reinforcement Learning for Option Replication and Hedging. The Journal of Financial Data Science, 2020, 2, 44-57.	1.3	20
2498	ACTOR-CRITIC REINFORCEMENT LEARNING FOR ENERGY OPTIMIZATION IN HYBRID PRODUCTION ENVIRONMENTS. International Journal of Computing, 0, , 360-371.	1.5	3
2499	Hyperparameter Optimization for Deep Reinforcement Learning in Vehicle Energy Management. , 2019, , .		31
2500	Risk-averse Distributional Reinforcement Learning: A CVaR Optimization Approach. , 2019, , .		3
2501	Development of an anthropomorphic mobile manipulator with human, machine and environment interaction. FME Transactions, 2019, 47, 790-801.	1.4	2
2502	Branching into brains. ELife, 2017, 6, .	6.0	4
2503	Implementation of End-to-End Training of Deep Visuomotor Policies for Manipulation of a Robotic Arm of Baxter Research Robot. The Journal of Korea Robotics Society, 2019, 14, 40-49.	0.4	3
2506	Convergence of Recursive Stochastic Algorithms Using Wasserstein Divergence. SIAM Journal on Mathematics of Data Science, 2021, 3, 1141-1167.	1.8	2
2507	Warum wir der künstlichen Intelligenz nicht blind vertrauen dürfen – fünf Ansätze um künstliche Intelligenz zu beherrschen. Management-Reihe Corporate Social Responsibility, 2021, , 77-103.	0.1	0

#	ARTICLE	IF	CITATIONS
2508	Doctor Ex Machina: A Critical Assessment of the Use of Artificial Intelligence in Health Care. Journal of Medicine and Philosophy, 2022, 47, 155-178.	0.8	7
2509	SpecMCTS: Accelerating Monte Carlo Tree Search Using Speculative Tree Traversal. IEEE Access, 2021, 9, 142195-142205.	4.2	1
2511	Leveraging Expert Demonstrations in Robot Cooperation with Multi-Agent Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 211-222.	1.3	0
2512	A Deployment-Efficient Energy Management Strategy for Connected Hybrid Electric Vehicle Based on Offline Reinforcement Learning. IEEE Transactions on Industrial Electronics, 2022, 69, 9644-9654.	7.9	19
2513	Reducing the Data Cost of Machine Learning with AI: A Case Study. Transactions on Computational Science and Computational Intelligence, 2021, , 335-343.	0.3	0
2514	Effects of Domain Randomization on Simulation-to-Reality Transfer of Reinforcement Learning Policies for Industrial Robots. Transactions on Computational Science and Computational Intelligence, 2021, , 157-169.	0.3	3
2515	Policy Gradient-Based Core Placement Optimization for Multichip Many-Core Systems. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-15.	11.3	1
2516	Federated Learning for Cybersecurity: Concepts, Challenges, and Future Directions. IEEE Transactions on Industrial Informatics, 2022, 18, 3501-3509.	11.3	114
2517	Gradient Monitored Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4106-4119.	11.3	3
2518	Embedding Symbolic Temporal Knowledge into Deep Sequential Models. , 2021, , .		4
2519	Amortized Q-learning with Model-based Action Proposals for Autonomous Driving on Highways. , 2021, , .		5
2520	Learning Robot Trajectories subject to Kinematic Joint Constraints. , 2021, , .		3
2521	Continuous Transition: Improving Sample Efficiency for Continuous Control Problems via MixUp. , 2021, , .		2
2522	Optimizing Cellular Networks via Continuously Moving Base Stations on Road Networks. , 2021, , .		0
2523	Distilling a Hierarchical Policy for Planning and Control via Representation and Reinforcement Learning. , 2021, , .		1
2524	Risk-Conditioned Distributional Soft Actor-Critic for Risk-Sensitive Navigation. , 2021, , .		9
2525	Trajectory Optimization for Manipulation of Deformable Objects: Assembly of Belt Drive Units. , 2021, , .		14
2526	Incentive-Driven Long-term Optimization for Edge Learning by Hierarchical Reinforcement Mechanism. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
2527	Battlefield Situation Deduction and Maneuver Decision Using Deep Q-Learning. , 2021, , .		0
2528	An Improved Traffic Signal Control Method Based on Multi-agent Reinforcement Learning. , 2021, , .		0
2529	Proximal Policy Optimization for Radiation Source Search. Journal of Nuclear Engineering, 2021, 2, 368-397.	1.6	8
2530	A Cyber-Physical System for Freeway Ramp Meter Signal Control Using Deep Reinforcement Learning in a Connected Environment. , 2021, , .		2
2531	Microscopic Model-Based RL Approaches for Traffic Signal Control Generalize Better than Model-Free RL Approaches. , 2021, , .		3
2532	Adaptive Reward for CAV Action Planning using Monte Carlo Tree Search. , 2021, , .		2
2533	Learn collision-free self-driving skills at urban intersections with model-based reinforcement learning. , 2021, , .		4
2534	Combining Reinforcement Learning with Model Predictive Control for On-Ramp Merging. , 2021, , .		17
2535	Target Operator Trajectory Prediction Method Based on Attention Mechanism and LSTM. Journal of Physics: Conference Series, 2021, 2037, 012069.	0.4	0
2536	A Method of Detecting Surface Mesh Quality Based on Deep Learning. Lecture Notes in Electrical Engineering, 2022, , 742-754.	0.4	0
2537	Blind Source Separation in Polyphonic Music Recordings Using Deep Neural Networks Trained via Policy Gradients. Signals, 2021, 2, 637-661.	1.9	3
2538	Learning Sample-Specific Policies for Sequential Image Augmentation. , 2021, , .		3
2539	Technology of the Surround. Catalyst Feminism Theory Technoscience, 2021, 7, .	0.2	0
2540	A Transfer Learning-Based Object Detection and Annotation System: Performance Evaluation for Vehicle Objects from Onboard Camera. Lecture Notes in Networks and Systems, 2022, , 11-17.	0.7	0
2541	A Takagi-Sugeno Fuzzy-Based Adaptive Transmission Method in Wireless Sensor Networks. Lecture Notes in Networks and Systems, 2022, , 279-288.	0.7	1
2542	Multi-objective optimization for autonomous driving strategy based on Deep Q Network. Discover Artificial Intelligence, 2021, 1, 1.	3.1	3
2543	Fast impedance prediction for power distribution network using deep learning. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2022, 35, .	1.9	6
2544	Stochastic inversion of magnetotelluric data using deep reinforcement learning. Geophysics, 2022, 87, E49-E61.	2.6	8

#	ARTICLE	IF	CITATIONS
2545	Differentiable biology: using deep learning for biophysics-based and data-driven modeling of molecular mechanisms. <i>Nature Methods</i> , 2021, 18, 1169-1180.	19.0	44
2546	Active control for enhancing vortex induced vibration of a circular cylinder based on deep reinforcement learning. <i>Physics of Fluids</i> , 2021, 33, .	4.0	21
2547	Targeted Upskilling Framework based on Player Mistake Context in Online Skill Gaming Platforms. , 2021, , .		1
2548	Reinforcement Learning Approaches to Optimal Market Making. <i>Mathematics</i> , 2021, 9, 2689.	2.2	7
2549	Multi-Agent Distributed Deep Deterministic Policy Gradient for Partially Observable Tracking. <i>Actuators</i> , 2021, 10, 268.	2.3	6
2550	Aliens in the Space of Reasons? On the Interaction Between Humans and Artificial Intelligent Agents. <i>Philosophy and Technology</i> , 2021, 34, 1569-1580.	4.3	6
2551	Innovative Materials Science via Machine Learning. <i>Advanced Functional Materials</i> , 2022, 32, 2108044.	14.9	67
2552	An Intelligent Fallen Object Detection System for Safe Driving. <i>Lecture Notes in Networks and Systems</i> , 2022, , 315-320.	0.7	0
2553	Computer vision reveals hidden variables underlying NF- κ B activation in single cells. <i>Science Advances</i> , 2021, 7, eabg4135.	10.3	10
2554	Routing algorithms as tools for integrating social distancing with emergency evacuation. <i>Scientific Reports</i> , 2021, 11, 19623.	3.3	6
2555	On machine learning and the replacement of human labour: anti-Cartesianism versus Babbage's path. <i>AI and Society</i> , 0, , 1.	4.6	0
2556	Markovian Quantum Neuroevolution for Machine Learning. <i>Physical Review Applied</i> , 2021, 16, .	3.8	13
2557	Integrating spin-based technologies with atomically controlled van der Waals interfaces. <i>Materials Today</i> , 2021, 51, 350-364.	14.2	8
2558	Review on typical applications and computational optimizations based on semiclassical methods in strong-field physics. <i>Chinese Physics B</i> , 0, , .	1.4	1
2559	Semantic Memory Search and Retrieval in a Novel Cooperative Word Game: A Comparison of Associative and Distributional Semantic Models. <i>Cognitive Science</i> , 2021, 45, e13053.	1.7	4
2560	Traffic Signal Control via Reinforcement Learning for Reducing Global Vehicle Emission. <i>Sustainability</i> , 2021, 13, 11254.	3.2	8
2561	Observing Multiplayer Boardgame Play at a Distance. , 2021, , .		1
2562	A deep learning framework for modelling left-turning vehicle behaviour considering diagonal-crossing motorcycle conflicts at mixed-flow intersections. <i>Transportation Research Part C: Emerging Technologies</i> , 2021, 132, 103415.	7.6	12

#	ARTICLE	IF	CITATIONS
2563	Deterministic Policy Search Method for Real Robot Control. The Brain & Neural Networks, 2017, 24, 195-203.	0.1	0
2565	Sequential Decomposition of Dynamic Games with Asymmetric Information and Dependent States. SSRN Electronic Journal, 0, , .	0.4	1
2566	Energy-Efficient and High-Throughput Nanophotonic Neuromorphic Computing. , 2018, , .		2
2568	Action Markets in Deep Multi-Agent Reinforcement Learning. Lecture Notes in Computer Science, 2018, , 240-249.	1.3	3
2569	Visualizing and Understanding Policy Networks of Computer Go. Lecture Notes in Computer Science, 2018, , 256-267.	1.3	0
2571	Evaluating the Effectiveness of Deep Reinforcement Learning Algorithms in a Walking Environment. Baltic Journal of Modern Computing, 2018, 6, .	0.4	0
2573	Prediction Distortion in Monte Carlo Tree Search and an Improved Algorithm. Journal of Intelligent Learning Systems and Applications, 2018, 10, 46-79.	0.5	0
2574	Text Matching with Monte Carlo Tree Search. Lecture Notes in Computer Science, 2018, , 41-52.	1.3	1
2575	NoSync: Particle Swarm Inspired Distributed DNN Training. Lecture Notes in Computer Science, 2018, , 607-619.	1.3	0
2576	Die Relevanz von emotionaler Intelligenz f��r den Erfolg von Organisationen â�� der Blick in die Gegenwart, Vergangenheit und Zukunft. , 2018, , 19-31.		0
2578	Simultaneous vibration control and energy harvesting using actor-critic based reinforcement learning. , 2018, , .		0
2580	Estimating the Purpose of Discard in Mahjong to Support Learning for Beginners. Advances in Intelligent Systems and Computing, 2019, , 155-163.	0.6	1
2581	Knowledge-Guided Agent-Tactic-Aware Learning for StarCraft Micromanagement. , 2018, , .		5
2583	Evolving AI from Research to Real Life â�� Some Challenges and Suggestions. , 2018, , .		3
2584	From Brain-Inspired AI to a Symbiosis of Human Intelligence and Artificial Intelligence. Springer Series on Bio- and Neurosystems, 2019, , 701-714.	0.2	0
2585	Learning Experiments of a FALCON Using SVR for a Card Game. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2018, 30, 643-651.	0.0	0
2586	Generating simulated SAR images using Generative Adversarial Network. , 2018, , .		8
2587	Ownership. CSR, Sustainability, Ethics & Governance, 2019, , 49-78.	0.3	0

#	ARTICLE	IF	CITATIONS
2588	State of Technology Report: Maritime Technology in 2018. Marine Technology Society Journal, 2018, 52, 6-16.	0.4	1
2589	Personhood. CSR, Sustainability, Ethics & Governance, 2019, , 25-47.	0.3	0
2590	Conclusion: Let's Start From Four. CSR, Sustainability, Ethics & Governance, 2019, , 109-112.	0.3	0
2592	Moral Bottom Lines. CSR, Sustainability, Ethics & Governance, 2019, , 7-24.	0.3	0
2593	AI in oncology: when science fiction meets reality. Artificial Intelligence in Oncology, 2018, 1, 001-002.	0.0	1
2594	Automated rough line-edge estimation from SEM images using deep convolutional neural networks. , 2018, , .		6
2595	Improved Deep Deterministic Policy Gradient Algorithm Based on Prioritized Sampling. Lecture Notes in Electrical Engineering, 2019, , 205-215.	0.4	3
2596	Image analysis and deep learning for aiding professional coin grading. , 2018, , .		1
2597	Individual Differences in Risk Perception of Artificial Intelligence. Swiss Journal of Psychology, 2018, 77, 149-157.	0.9	6
2601	Learning from Monte Carlo Rollouts with Opponent Models for Playing Tron. Lecture Notes in Computer Science, 2019, , 105-129.	1.3	0
2602	Understanding Structure of Concurrent Actions. Lecture Notes in Computer Science, 2019, , 78-90.	1.3	0
2603	Automated Chess Commentator Powered by Neural Chess Engine. , 2019, , .		8
2606	Learning from PhotoShop Operation Videos: The PSOV Dataset. Lecture Notes in Computer Science, 2019, , 223-239.	1.3	0
2607	Learning Skills for Small Size League RoboCup. Lecture Notes in Computer Science, 2019, , 83-95.	1.3	8
2608	Towards Robust Neural Networks with Lipschitz Continuity. Lecture Notes in Computer Science, 2019, , 373-389.	1.3	3
2609	Entscheidungsunterstützung im Kundenbeziehungszyklus durch Maschinelle Lernverfahren. Edition HMD, 2019, , 3-26.	0.2	0
2610	Prospects of applying neural networks to supercompilation and equality saturation. , 2019, , .		0
2611	Optimal Transportation Network Company Vehicle Dispatching via Deep Deterministic Policy Gradient. Lecture Notes in Computer Science, 2019, , 297-309.	1.3	4

#	ARTICLE	IF	CITATIONS
2613	Heuristic Search for Tetris: A Case Study. Advances in Intelligent Systems and Computing, 2019, , 410-423.	0.6	0
2614	Mimicking an Expert Team Through the Learning of Evaluation Functions from Action Sequences. Lecture Notes in Computer Science, 2019, , 170-180.	1.3	3
2615	Whatâ€™s in a Game? The Effect of Game Complexity on Deep Reinforcement Learning. Communications in Computer and Information Science, 2019, , 147-163.	0.5	0
2616	Exploiting Attention for Visual Relationship Detection. Lecture Notes in Computer Science, 2019, , 331-344.	1.3	3
2617	Can Machines Learn Whether Machines Are Learning to Collude?. Lecture Notes in Computer Science, 2019, , 133-152.	1.3	1
2618	Artificial Intelligence and Systemic Risk. SSRN Electronic Journal, 0, , .	0.4	3
2619	Predicate learning via neural oscillations supports one-shot generalization between video games. , 2019, , .		0
2620	Moral Dilemmas for Artificial Intelligence: A Position Paper on an Application of Compositional Quantum Cognition. Lecture Notes in Computer Science, 2019, , 123-138.	1.3	0
2621	Neue Intelligenz, neue Ethik?. , 2019, , 239-254.		1
2623	Maszyny samouczÄ...ce siÄ™ â€“ wyzwanie wspÅ³czesnej pedagogiki. Parezja Czasopismo Forum MÅodych PedagogÅw Przy Komitecie Nauk Pedagogicznych PAN, 2019, 11, 85-97.	0.1	0
2624	Computing and Predicting Winning Hands in the Trick-Taking Game of Klaverjas. Communications in Computer and Information Science, 2019, , 106-120.	0.5	0
2625	Deep IA-BI and Five Actions in Circling. Lecture Notes in Computer Science, 2019, , 1-21.	1.3	4
2626	Assessing the Potential of Classical Q-learning in General Game Playing. Communications in Computer and Information Science, 2019, , 138-150.	0.5	5
2627	An Evolutionary Theory of Learning. SSRN Electronic Journal, 0, , .	0.4	0
2628	DeepMimic: Mentor-Student Unlabeled Data Based Training. Lecture Notes in Computer Science, 2019, , 440-455.	1.3	2
2629	A Deep Reinforcement Learning based Homeostatic System for Unmanned Position Control. , 2019, , .		2
2630	Analyzing the Impact of Knowledge and Search in Monte Carlo Tree Search in Go. Communications in Computer and Information Science, 2019, , 127-146.	0.5	1
2632	Industrie 4.0 und Dienstleistungsproduktion: Fallstudienanalysen aus dem Bereich der Leistungsprozesse in Forschung und Lehre. , 2019, , 339-352.		0

#	ARTICLE	IF	CITATIONS
2633	Search Algorithm Using Prior Knowledge of Similar Task. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 709-716.	0.2	0
2634	Solving Safety Problems with Ensemble Reinforcement Learning. Lecture Notes in Computer Science, 2019, , 203-214.	1.3	0
2635	Scaffolding Learning for the Novice Players of Go. Lecture Notes in Computer Science, 2019, , 139-148.	1.3	1
2636	Value-based Search in Execution Space for Mapping Instructions to Programs. , 2019, , .		3
2637	Reinforcement Learning with Deep Quantum Neural Networks. Journal of Quantum Information Science, 2019, 09, 1-14.	0.4	6
2638	Die Rolle der KI beim automatisierten Fahren. , 2019, , 176-193.		1
2642	Route Optimization of Construction Machine by Deep Reinforcement Learning. IEEJ Transactions on Industry Applications, 2019, 139, 401-408.	0.2	0
2643	Comprehensive cooperative deep deterministic policy gradients for multi-agent systems in unstable environment. , 2019, , .		0
2644	Deal gently with the bird you are trying to catch: small scale CD control with machine learning. , 2019, , .		0
2645	On Strength Adjustment for MCTS-Based Programs. Proceedings of the AAAI Conference on Artificial Intelligence, 0, 33, 1222-1229.	4.9	8
2646	Research on Node Layout Model Optimization of MANET Based on AlphaZero Technology under Incomplete Visual Terrain. , 2019, , .		1
2647	Learning Deviation Payoffs in Simulation-Based Games. Proceedings of the AAAI Conference on Artificial Intelligence, 0, 33, 2173-2180.	4.9	4
2648	Efficient Verification of Control Systems with Neural Network Controllers. , 2019, , .		4
2650	Performance Evaluation of VegeCare Tool for Tomato Disease Classification. Advances in Intelligent Systems and Computing, 2020, , 595-603.	0.6	4
2651	Necessity is the mother of invention: support vector machines for CD control. , 2019, , .		0
2652	The Paths Perspective on Value Learning. Distill, 2019, 4, .	5.3	1
2653	GenSyth: a new way to understand deep learning. Electronics Letters, 2019, 55, 970-971.	1.0	0
2655	Multi-agent Deep Reinforcement Learning for Pursuit-Evasion Game Scalability. Lecture Notes in Electrical Engineering, 2020, , 658-669.	0.4	3

#	ARTICLE	IF	CITATIONS
2656	Analysis of Computational Models to Describe Individual Decision-Making Process. , 2019, , .		1
2657	Innovation Reduces Risk for Sustainable Infrastructure. Lecture Notes in Civil Engineering, 2020, , 45-56.	0.4	0
2658	Integrated Reservoir Computing Module Using Magnetic Tunnel Junction. Journal of the Institute of Electrical Engineers of Japan, 2019, 139, 674-678.	0.0	0
2659	Evaluation-Function Modeling with Neural Networks for RoboCup Soccer. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 1128-1133.	0.2	0
2660	Improve the performance of neural network training with accurate information. , 2019, , .		0
2662	An Improved Fuzzy Neural Network for Reinforcement Learning. , 2019, , .		2
2665	Employing Robots. Disputatio, 2019, 11, 89-110.	0.2	0
2666	Thoughts Raised by 3 Alpha. , 2019, , .		1
2672	SPONTANEOUS CATEGORIZATION AND SELF-LEARNING WITH DEEP AUTOENCODER MODELS. Věšník Národního ústavu matematiky a fyziky České akademie věd, 2019, 80, .	0.1	1
2673	Deep Reinforcement Learning for Task-Driven Discovery of Incomplete Networks. Studies in Computational Intelligence, 2020, , 903-914.	0.9	0
2674	The Law of Armed Conflict Issues Created by Programming Automatic Target Recognition Systems Using Deep Learning Methods. Yearbook of International Humanitarian Law, 2020, , 99-135.	0.2	3
2687	Artificial Intelligence and Legal Personality: Introducing "Teilrechtsfähigkeit" A Partial Legal Status Made in Germany. , 2020, , 123-142.		9
2693	Solution of an Optimal Routing Problem by Reinforcement Learning with Generalization Ability. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 1494-1500.	0.2	0
2694	A Neural Network Go Rating Model Considering Winning Rate. , 2019, , .		1
2695	Research on Node Deployment in Different Terrain of MANET Based on Relational Deep Reinforcement Learning. , 2019, , .		2
2696	AquaEIS. , 2019, , .		4
2697	Pemanfaatan Asynchronous Advantage Actor-Critic Dalam Pembuatan AI Game Bot Pada Game Arcade. Insyst, 2019, 1, 74-84.	0.0	0
2698	Standing on the Feet of Giants " Reproducibility in AI. AI Magazine, 2019, 40, 9-23.	1.6	5

#	ARTICLE	IF	CITATIONS
2699	Applications of Artificial Neural Networks in the Context of Power Systems. , 2020, , 345-373.		1
2700	Evolutionary Strategies with Analogy Partitions in P-Guessing Games. SSRN Electronic Journal, 0, , .	0.4	0
2702	Putting Decision Mining into Context: A Literature Study. Lecture Notes in Information Systems and Organisation, 2020, , 31-46.	0.6	6
2703	ReinBo: Machine Learning Pipeline Conditional Hierarchy Search and Configuration with Bayesian Optimization Embedded Reinforcement Learning. Communications in Computer and Information Science, 2020, , 68-84.	0.5	4
2704	Reference Architecture of an Autonomous Agent for Cyber Defense of Complex Military Systems. , 2020, , 1-21.		8
2705	A Further Investigation of Neural Network Players for Game 2048. Lecture Notes in Computer Science, 2020, , 53-65.	1.3	1
2706	Back to the Feature: A Neural-Symbolic Perspective on Explainable AI. Lecture Notes in Computer Science, 2020, , 39-55.	1.3	3
2707	Pricing in the Competing Auction-Based Cloud Market: A Multi-agent Deep Deterministic Policy Gradient Approach. Lecture Notes in Computer Science, 2020, , 175-186.	1.3	2
2708	Interactive Question Clarification in Dialogue via Reinforcement Learning. , 2020, , .		2
2709	Policy Return: A New Method for Reducing the Number of Experimental Trials in Deep Reinforcement Learning. IEEE Access, 2020, 8, 228099-228107.	4.2	1
2710	Exploring a Learning Architecture for General Game Playing. Lecture Notes in Computer Science, 2020, , 294-306.	1.3	2
2711	Task-Completion Dialogue Policy Learning via Monte Carlo Tree Search with Dueling Network. , 2020, , .		4
2712	Efficient Defense Against Adversarial Attacks and Security Evaluation of Deep Learning System. Lecture Notes in Computer Science, 2020, , 592-602.	1.3	0
2713	A Road Traffic Guidance Service Based on Deep Reinforcement Learning. Lecture Notes in Computer Science, 2020, , 353-360.	1.3	0
2714	Algorithmic Decision-Making and the Problem of Control. Techno:Phil, 2020, , 97-113.	0.3	5
2715	Humans of the Future. , 2020, , 133-160.		0
2716	Application of the Fourth Industrial Revolution for High Volume Production in the Rail Car Industry. , 0, , .		1
2717	Inteligencia Artificial GPT-3, Pretoria y OrÃculos AlgorÃtmicos en el Derecho. International Journal of Digital Law, 2020, 1, 11-52.	0.0	1

#	ARTICLE	IF	CITATIONS
2718	Bayes-Adaptive Monte-Carlo Planning and Learning for Goal-Oriented Dialogues. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 7994-8001.	4.9	4
2719	Double-Oracle Sampling Method for Stackelberg Equilibrium Approximation in General-Sum Extensive-Form Games. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 2054-2061.	4.9	7
2720	The Algorithm of Spiking Neural Network And Application in Poker Games. , 2020, , .		1
2722	Research on parameter optimisation of dynamic priority scheduling algorithm based on improved reinforcement learning. IET Generation, Transmission and Distribution, 2020, 14, 3171-3178.	2.5	3
2723	A Practice of Liberal Arts Classes using Classical Drama. The Korean Association of General Education, 2020, 14, 159-174.	0.3	0
2724	A Fuzzy-Based Adiantum Cultivation Support System Design. Advances in Intelligent Systems and Computing, 2021, , 73-82.	0.6	0
2725	Evolving ab initio trading strategies in heterogeneous environments. , 2020, , .		0
2726	Monte carlo tree search on perfect rectangle packing problem instances. , 2020, , .		2
2727	A bibliometric analysis of artificial intelligence publications from 1991 to 2018. Collnet Journal of Scientometrics and Information Management, 2020, 14, 369-392.	0.8	12
2728	Incomplete Information Competition Strategy Based on Improved Asynchronous Advantage Actor Critical Model. , 2020, , .		0
2729	Integrating Human Reasoning and Machine Learning to Classify Cyber Attacks. , 2021, , 147-165.		0
2730	Deep Multi-Critic Network for accelerating Policy Learning in multi-agent environments. Neural Networks, 2020, 128, 97-106.	5.9	4
2731	Demystifying the MLPerf Training Benchmark Suite. , 2020, , .		4
2732	Resolution of Abnormal Behaviors in 3D Physically-Based Simulation. Journal of Digital Contents Society, 2020, 21, 1489-1494.	0.4	0
2733	Deep Reinforcement Learning based Elasticity-compatible Heterogeneous Resource Management for Time-critical Computing. , 2020, , .		1
2734	Trends in medical artificial intelligence (AI) in Japan. Okayama Igakkai Zasshi, 2020, 132, 95-97.	0.0	0
2735	Resilient Load Restoration in Microgrids Considering Mobile Energy Storage Fleets: A Deep Reinforcement Learning Approach. , 2020, , .		18
2736	Learning and Cognition in Financial Markets: A Paradigm Shift for Agent-Based Models. Advances in Intelligent Systems and Computing, 2021, , 241-255.	0.6	1

#	ARTICLE	IF	CITATIONS
2737	Autonomous Cricothyroid Membrane Detection Using Neural Networks for First-Aid Surgical Airway Management. , 2020, , .		0
2739	Undefeatable System Using Machine Learning. Advances in Intelligent Systems and Computing, 2021, , 759-767.	0.6	1
2740	Undersea Active Terrain-Aided Navigation (ATAN). , 2020, , .		1
2742	Design and Implementation of Web front End of Computer Game Platform Based on Electron. , 2020, , .		1
2743	Tackling Morpion Solitaire with AlphaZero-like Ranked Reward Reinforcement Learning. , 2020, , .		6
2744	Human-centric Autonomous Driving in an AV-Pedestrian Interactive Environment Using SVO. , 2021, , .		12
2745	Weighted double deep Q-network based reinforcement learning for bi-objective multi-workflow scheduling in the cloud. Cluster Computing, 2022, 25, 751-768.	5.0	12
2746	Quadrotor Autonomous Navigation in Semi-Known Environments Based on Deep Reinforcement Learning. Remote Sensing, 2021, 13, 4330.	4.0	6
2747	Reward shaping to improve the performance of deep reinforcement learning in perishable inventory management. European Journal of Operational Research, 2022, 301, 535-545.	5.7	34
2749	A reinforcement learning based method for proteinâ€™s differential scanning calorimetry signal separation. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110391.	5.0	6
2750	Particle Swarm Optimization Algorithm With Self-Organizing Mapping for Nash Equilibrium Strategy in Application of Multiobjective Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5179-5193.	11.3	17
2751	Machine learning and social theory: Collective machine behaviour in algorithmic trading. European Journal of Social Theory, 0, , 136843102110560.	2.4	12
2752	Applications of deep learning in congestion detection, prediction and alleviation: A survey. Transportation Research Part C: Emerging Technologies, 2021, 133, 103432.	7.6	44
2753	Deep Learning Methods for Sign Language Translation. ACM Transactions on Accessible Computing, 2021, 14, 1-30.	2.4	19
2754	Bayesian Inverse Reinforcement Learning for Demonstrations of an Expert in Multiple Dynamics. Transactions of the Japanese Society for Artificial Intelligence, 2020, 35, G-J73_1-10.	0.1	1
2755	Service Analytics: Putting the â€œSmartâ€•in Smart Services. , 2020, , 151-159.		0
2756	Attacking DNN-based Intrusion Detection Models. IFAC-PapersOnLine, 2020, 53, 415-419.	0.9	3
2758	Indexed Metrics for Link Prediction in Graph Analytics. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	1

#	ARTICLE	IF	CITATIONS
2760	Reinforcement Learning Method with Generalization Ability Developed by Using Deep Learning for Solving a Path Finding Problem. Transactions of the Society of Instrument and Control Engineers, 2020, 56, 455-462.	0.2	0
2761	AlphaZero. , 2020, , 391-415.		7
2762	Coordinating Multi-Agent Deep Reinforcement Learning in Wargame. , 2020, , .		2
2763	Image Representation of Time Series for Reinforcement Learning Trading Agent. , 0, , .		0
2765	AI Legal Counsel to train and regulate legally constrained Autonomous systems. , 2020, , .		0
2766	A bilingual cognitive robot that learns like a toddler. , 2020, , .		0
2767	Unpacking the black box. Einstein (Sao Paulo, Brazil), 2020, 19, eED6037.	0.7	3
2768	Dynamic Dispatching for Large-Scale Heterogeneous Fleet via Multi-agent Deep Reinforcement Learning. , 2020, , .		13
2769	Deep Reinforcement Learning based Cloud-native Network Function Placement in Private 5G Networks. , 2020, , .		6
2770	Multi-Intersection Control with Deep Reinforcement Learning and Ring-and-Barrier Controllers. Transportation Research Record, 2021, 2675, 308-319.	1.9	7
2771	Decentralized Multi-agent Reinforcement Learning with Multi-time Scale of Decision Epochs. , 2020, , .		2
2772	Real-Time Decision Making for a Car Manufacturing Process Using Deep Reinforcement Learning. , 2020, , .		7
2773	AlphaGo™s Deep Play: Technological Breakthrough as Social Drama. , 2021, , 167-195.		3
2774	Detection of regions with the least impact on true and fake image classification through reinforcement learning. Journal of Physics: Conference Series, 2020, 1693, 012176.	0.4	0
2775	Autonomous balloons take flight with artificial intelligence. Nature, 2020, 588, 33-34.	27.8	2
2776	Large Scale Deep Reinforcement Learning in War-games. , 2020, , .		3
2777	Research Programs Based on Machine Intelligence Games. Philosophy of Engineering and Technology, 2021, , 163-179.	0.3	0
2778	Evaluation of Loss Function for Stable Policy Learning in Dobutsu Shogi. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
2779	Visualization techniques to give insight into the operation of the Go policy network. , 2020, , .		2
2780	Brain-Inspired Synaptic Resistor Circuits for Self-Programming Intelligent Systems. Advanced Intelligent Systems, 2021, 3, 2000219.	6.1	3
2781	Q-learning for Statically Scheduling DAGs. , 2020, , .		0
2782	Autonomous Curriculum Generation for Self-Learning Agents. , 2020, , .		1
2783	Addressing Competitive Influence Maximization on Unknown Social Network with Deep Reinforcement Learning. , 2020, , .		7
2784	Partially Oxidized MXene $Ti_{3}C_{2}Tx$ Sheets for Memristor having Synapse and Threshold Resistive Switching Characteristics. Advanced Electronic Materials, 2021, 7, 2000866.	5.1	38
2785	Beyond Peak Performance: Comparing the Real Performance of AI-Optimized FPGAs and GPUs. , 2020, , .		34
2786	Multi-UCAV Air Combat in Short-Range Maneuver Strategy Generation using Reinforcement Learning and Curriculum Learning. , 2020, , .		6
2787	HILPS: Human-in-Loop Policy Search for Mobile Robot Navigation. , 2020, , .		0
2788	Machinic Encounters: A Relational Approach to the Sociology of AI. , 2021, , 143-166.		5
2789	A Tutorial Introduction to Monte Carlo Tree Search. , 2020, , .		3
2790	Single-cell systems analysis: decision geometry in outliers. Bioinformatics, 2021, 37, 1747-1755.	4.1	0
2791	Dynamic Resource Aware VNF Placement with Deep Reinforcement Learning for 5G Networks. , 2020, , .		12
2792	Applying Gradient Boosting Trees and Stochastic Leaf Evaluation to MCTS on Hearthstone. , 2020, , .		2
2793	Multi-agent Fault-tolerant Reinforcement Learning with Noisy Environments. , 2020, , .		2
2794	Comparative visual gaze analysis for virtual board games. , 2020, , .		0
2795	The Actor-Critic Algorithm for Infinite Horizon Discounted Cost Revisited. , 2020, , .		0
2796	Consistency Regularization for Ensemble Model Based Reinforcement Learning. Lecture Notes in Computer Science, 2021, , 3-16.	1.3	1

#	ARTICLE	IF	CITATIONS
2797	Deep Reinforcement Learning for Cyber Security. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3779-3795.	11.3	100
2798	Nonlinear Parametric Transformation and Generation of Images Based on a Network with the CWNL Layer. Lecture Notes in Computer Science, 2021, , 415-425.	1.3	0
2799	What Is Deep Learning and How Has It Helped the COVID-19 Pandemic?. Health Information Systems and the Advancement of Medical Practice in Developing Countries, 2022, , 337-360.	0.1	0
2800	SADRL: Merging human experience with machine intelligence via supervised assisted deep reinforcement learning. Neurocomputing, 2022, 467, 300-309.	5.9	5
2801	Analyzing Differentiable Fuzzy Logic Operators. Artificial Intelligence, 2022, 302, 103602.	5.8	37
2802	Restoration of Adversarial Examples Using Image Arithmetic Operations. Intelligent Automation and Soft Computing, 2022, 32, 271-284.	2.1	1
2803	Improving StarCraft II Player League Prediction with Macro-Level Features. Lecture Notes in Computer Science, 2020, , 256-268.	1.3	0
2804	A Modified I2A Agent for Learning in a Stochastic Environment. Lecture Notes in Computer Science, 2020, , 388-399.	1.3	1
2805	Neural Networks on an FPGA and Hardware-Friendly Activation Functions. Journal of Computer and Communications, 2020, 08, 251-277.	0.9	5
2806	Performance Evaluation of VegeCare Tool for Insect Pest Classification with Different Life Cycles. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 171-180.	0.7	2
2807	Multi-Agent Task-Oriented Dialog Policy Learning with Role-Aware Reward Decomposition. , 2020, , .		20
2808	Flexible Charging Optimization for Electric Vehicles using MDPs-based Online Algorithms. IFAC-PapersOnLine, 2020, 53, 12614-12619.	0.9	1
2809	How to Use Boltzmann Machines and Neural Networks for Covering Array Generation. Lecture Notes in Computer Science, 2020, , 53-68.	1.3	2
2810	Deep Reinforcement Learning Based Controller for Active Heave Compensation. IFAC-PapersOnLine, 2021, 54, 161-167.	0.9	8
2811	Event-Triggered Communication Network With Limited-Bandwidth Constraint for Multi-Agent Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3966-3978.	11.3	14
2812	Diversity-Based Trajectory and Goal Selection with Hindsight Experience Replay. Lecture Notes in Computer Science, 2021, , 32-45.	1.3	4
2813	Đ̂ÑĐ¿Đ³⁄₄Đ»ÑĈĐĐ³⁄₄Đ²Đ°Đ¹⁄₂Đ,Đμ Đ,ÑĐ°ÑfÑÑÑ,Đ²ĐμĐ¹⁄₂Đ¹⁄₂Đ³⁄₄Đ³⁄₄ Đ,Đ¹⁄₂Ñ,ĐμĐ»Đ»ĐμĐ°Ñ,Đ° Đ² Đ¿ÑĈĐμÑ,ÑfĐ¿Đ²⁄₂Ñ<Ñ...Ñf		
2814	Interactive Reinforcement Learning for Autonomous Behavior Design. Human-computer Interaction Series, 2021, , 345-375.	0.6	0

#	ARTICLE	IF	CITATIONS
2815	LSTM-Based Battlefield Electromagnetic Situation Prediction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 768-781.	0.3	0
2817	Self-Imitation Learning of Locomotion Movements through Termination Curriculum. , 2019, , .		6
2818	Fairness von KI-Algorithmen. Springer Reference Geisteswissenschaften, 2020, , 1-22.	0.0	0
2819	Approximation Methods for Monte Carlo Tree Search. Advances in Intelligent Systems and Computing, 2020, , 68-74.	0.6	0
2820	Deep BOO! Automating Beam Orientation Optimization in Intensity-Modulated Radiation Therapy. Springer Proceedings in Advanced Robotics, 2020, , 338-354.	1.3	0
2821	Practical Open-Loop Optimistic Planning. Lecture Notes in Computer Science, 2020, , 69-85.	1.3	2
2822	Artificial Intelligence for Games. , 2020, , 313-337.		1
2823	Scheduling Virtual Machine Migration During Datacenter Upgrades with Reinforcement Learning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 102-117.	0.3	1
2825	Double Replay Buffers with Restricted Gradient. Lecture Notes in Computer Science, 2020, , 295-306.	1.3	0
2827	Battery Management for Automated Warehouses via Deep Reinforcement Learning. Lecture Notes in Computer Science, 2020, , 126-139.	1.3	1
2828	Implicit Posterior Sampling Reinforcement Learning for Continuous Control. Lecture Notes in Computer Science, 2020, , 452-460.	1.3	3
2829	A design methodology for deep reinforcement learning in autonomous systems. Procedia Manufacturing, 2020, 52, 266-271.	1.9	5
2830	The Evolving Reality. , 2020, , 1-42.		0
2831	Scalable Multi-agent Reinforcement Learning Architecture for Semi-MDP Real-Time Strategy Games. Communications in Computer and Information Science, 2020, , 433-446.	0.5	1
2832	A Location Method for Reliability-Critical Paths Based on Monte Carlo Search Tree. Lecture Notes in Computer Science, 2020, , 100-114.	1.3	0
2833	The Context of Investing. , 2020, , 1-95.		0
2834	Anti-bandit Neural Architecture Search for Model Defense. Lecture Notes in Computer Science, 2020, , 70-85.	1.3	7
2835	Mobile Networks for Computer <i>Go</i>. IEEE Transactions on Games, 2022, 14, 76-84.	1.4	5

#	ARTICLE	IF	CITATIONS
2836	Advice is Useful for Game AI: Experiments with Alpha-Beta Search Players in Shogi. Lecture Notes in Computer Science, 2020, , 1-10.	1.3	0
2837	Net2Net Extension for the AlphaGo Zero Algorithm. Lecture Notes in Computer Science, 2020, , 131-142.	1.3	0
2839	Designing Algorithms for Machine Learning and Data Mining. , 2020, , 339-410.		0
2840	Can Entrepreneurship Be Learned by Intelligent Machines?. SSRN Electronic Journal, 0, , .	0.4	0
2841	ITâ€™s Impressive, but Sometimes Misleading Track Record. , 2020, , 57-79.		0
2842	Machine Learning Basics. , 2020, , 11-23.		3
2843	Virtual Time-response based Iterative Gain Evaluation and Redesign. IFAC-PapersOnLine, 2020, 53, 3946-3952.	0.9	4
2844	Warm-Start AlphaZero Self-play Search Enhancements. Lecture Notes in Computer Science, 2020, , 528-542.	1.3	6
2845	Self-guided Approximate Linear Programs. SSRN Electronic Journal, 0, , .	0.4	2
2846	Possibilities and Limitations for AI: What Canâ€™t Machines Do?. , 2020, , 109-122.		0
2847	Machine Learning in Networking. , 2020, , 151-190.		1
2848	Guided Reinforcement Learning via Sequence Learning. Lecture Notes in Computer Science, 2020, , 335-345.	1.3	0
2849	Computing with Known and Unknown. , 2020, , 319-329.		0
2851	Long- and Short-Term Approaches for Power Consumption Prediction Using Neural Networks. Contributions To Statistics, 2020, , 219-236.	0.2	0
2852	Exploiting Game Decompositions in Monte Carlo Tree Search. Lecture Notes in Computer Science, 2020, , 106-118.	1.3	0
2853	Reinforcement Learning for N-player Games: The Importance of Final Adaptation. Lecture Notes in Computer Science, 2020, , 84-96.	1.3	1
2854	Normalizing Flow Policies for Multi-agent Systems. Lecture Notes in Computer Science, 2020, , 277-296.	1.3	5
2855	Deep Reinforcement Learning for Solving AGVs Routing Problem. Lecture Notes in Computer Science, 2020, , 222-236.	1.3	3

#	ARTICLE	IF	CITATIONS
2856	GAIM: Game Action Information Mining Framework for Multiplayer Online Card Games (Rummy as Case) Tj ETQq0 0.0 rgBT /Qverlock 10	1.3	4
2857	A Promising Path Towards Autoformalization and General Artificial Intelligence. Lecture Notes in Computer Science, 2020, , 3-20.	1.3	6
2858	Developing a Reinforcement Learning Agent for the Game of Checkers. Advances in Intelligent Systems and Computing, 2020, , 164-169.	0.6	0
2859	On Bringing Case-Based Reasoning Methodology to Deep Learning. Lecture Notes in Computer Science, 2020, , 343-348.	1.3	5
2860	Explaining the Influence of Prior Knowledge on POMCP Policies. Lecture Notes in Computer Science, 2020, , 261-276.	1.3	3
2861	Two-Dimensional Truss Topology Design by Reinforcement Learning. Lecture Notes in Civil Engineering, 2020, , 1237-1245.	0.4	1
2862	Learning Categories with Spiking Nets and Spike Timing Dependent Plasticity. Lecture Notes in Computer Science, 2020, , 139-144.	1.3	2
2863	Designing Policy Network with Deep Learning in Turn-Based Strategy Games. Lecture Notes in Computer Science, 2020, , 143-154.	1.3	0
2864	Learning Equilibrium Mean-Variance Strategy. SSRN Electronic Journal, 0, , .	0.4	2
2865	Acceleration Methods for Centralized Multiagent Reinforcement Learning. IEEJ Transactions on Electronics, Information and Systems, 2020, 140, 242-248.	0.2	0
2867	IIIRC: Incremental Implicitly-Refined Classification. , 2021, , .		11
2868	Auto-pipeline. Proceedings of the VLDB Endowment, 2021, 14, 2563-2575.	3.8	9
2869	Undertaking Research with Humans within Artificial Intelligence and Robotics: Multimodal Elderly Care Systems. Technology Architecture and Design, 2021, 5, 141-145.	0.2	5
2870	End-to-End Intersection Handling using Multi-Agent Deep Reinforcement Learning. , 2021, , .		14
2871	3i¼4Žè\$ â²'ç"ç ©¶ã«ãšãã,æ ©ÿæc°â- ç¿'ã•æœéé©â®ÿé““è”ç”». Denki Kagaku, 2020, 88, 14-20.	0.0	0
2873	Convolutional Neural Network Applied to Tree Species Identification Based on Leaf Images. Journal of Forest Planning, 2020, 26, 1-11.	0.1	5
2874	Representation and Learning Methods for Situation Evaluation in RoboCup Soccer Simulation. Journal of Japan Society for Fuzzy Theory and Intelligent Informatics, 2020, 32, 691-703.	0.0	0
2875	Open Innovation Platform using Cloud-based Applications and Collaborative Space: A Case Study of Solubility Prediction Model Development. Chem-Bio Informatics Journal, 2020, 20, 5-18.	0.3	0

#	ARTICLE	IF	CITATIONS
2876	Scalable Monte Carlo Tree Search for CAV s Action Planning in Colliding Scenarios. , 2021, , .		1
2878	Empiricism in the foundations of cognition. AI and Society, 0, , 1.	4.6	3
2880	Learning-Based Image Transport Through Disordered Optical Fibers With Transverse Anderson Localization. Frontiers in Physics, 2021, 9, .	2.1	1
2881	Rawlsâ€™s Original Position and Algorithmic Fairness. Philosophy and Technology, 2021, 34, 1803-1817.	4.3	4
2882	From Heatmaps to Structured Explanations of Image Classifiers. Applied AI Letters, 0, , .	2.2	1
2883	Olfactory Sensing and Navigation in Turbulent Environments. Annual Review of Condensed Matter Physics, 2022, 13, 191-213.	14.5	35
2884	New directions for artificial intelligence: human, machine, biological, and quantum intelligence. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 984-990.	2.6	10
2885	Measurement-Based Feedback Quantum Control with Deep Reinforcement Learning for a Double-Well Nonlinear Potential. Physical Review Letters, 2021, 127, 190403.	7.8	30
2886	DANCE: Differentiable Accelerator/Network Co-Exploration. , 2021, , .		17
2887	Rethinking Intelligent Behavior as Competitive Games for Handling Adversarial Challenges to Machine Learning. , 2021, , 3-16.		1
2888	TilinGNN. ACM Transactions on Graphics, 2020, 39, .	7.2	4
2889	Digital Innovation and Digital Business Transformation in the Age of Digital Change. Studies in Systems, Decision and Control, 2021, , 1-13.	1.0	3
2890	Algorithms and Law. , 2020, , .		33
2891	Game Action Modeling for Fine Grained Analyses of Player Behavior in Multi-player Card Games (Rummy) Tj ETQq1 1 0.784314 rgBT /Ov		
2892	Non-Asymptotic Analysis of Monte Carlo Tree Search. Performance Evaluation Review, 2020, 48, 31-32.	0.6	0
2893	RLCard: A Platform for Reinforcement Learning in Card Games. , 2020, , .		8
2894	Riemannian Proximal Policy Optimization. Journal of Computer and Information Science, 2020, 13, 93.	0.3	0
2895	Value Function Dynamic Estimation in Reinforcement Learning based on Data Adequacy. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
2896	Reinforcement Learning based Strategy Selection in StarCraft. , 2020, , .		0
2897	Beating humans in a penny-matching game by leveraging cognitive hierarchy theory and Bayesian learning. , 2020, , .		5
2898	Simulation Driven Design. SpringerBriefs in Applied Sciences and Technology, 2021, , 45-52.	0.4	0
2899	Hybrid of Reinforcement and Imitation Learning for Human-Like Agents. IEICE Transactions on Information and Systems, 2020, E103.D, 1960-1970.	0.7	1
2900	Monte Carlo Tree Search Method for Solving the Knapsack Problem. IEEJ Transactions on Electronics, Information and Systems, 2020, 140, 1141-1146.	0.2	0
2901	Opponent-Pruning Paranoid Search. , 2020, , .		3
2902	Machine Learning Approaches for Efficient Design Space Exploration of Application-Specific NoCs. ACM Transactions on Design Automation of Electronic Systems, 2020, 25, 1-27.	2.6	4
2903	Monte Carlo Tree Search for the Game of Diplomacy. , 2020, , .		0
2906	A monte carlo tree search framework for quantum circuit transformation. , 2020, , .		10
2907	Scene mover. ACM Transactions on Graphics, 2020, 39, 1-15.	7.2	13
2908	A Review of Mahjong AI Research. , 2020, , .		4
2909	Self-Driving Network and Service Coordination Using Deep Reinforcement Learning. , 2020, , .		7
2910	Ball and Beam Control using Adaptive PID based on Q-Learning. , 2020, , .		1
2911	Zero-Shot Transfer Learning of a Throwing Task via Domain Randomization. , 2020, , .		4
2912	Blockchain Agreement for Self-identification of Online Test Cheating: Improvement of Algorithm Performance. , 2020, , .		1
2913	Mixed Reinforcement Learning for Efficient Policy Optimization in Stochastic Environments. , 2020, , .		4
2914	A Deep Reinforcement Learning scheme for Battery Energy Management. , 2020, , .		1
2915	Behavioral Cues of Humanness in Complex Environments: How People Engage With Human and Artificially Intelligent Agents in a Multiplayer Videogame. Frontiers in Robotics and AI, 2020, 7, 531805.	3.2	3

#	ARTICLE	IF	CITATIONS
2916	Automatische Programmierung von Produktionsmaschinen. , 2021, , 44-58.		0
2917	The Concept of Constructing an Artificial Dispatcher Intelligent System Based on Deep Reinforcement Learning for the Automatic Control System of Electric Networks. Journal of Computer and Systems Sciences International, 2020, 59, 939-956.	0.6	3
2918	Strategy and Implementation of Hex. , 2020, , .		1
2920	Integrating Deep Reinforcement Learning with Model-based Path Planners for Automated Driving. , 2020, , .		9
2921	Learning for Advanced Motion Control. , 2020, , .		11
2922	Deep Reinforcement Learning for Electric Transmission Voltage Control. , 2020, , .		5
2923	Have We Learned to Explain?: How Interpretability Methods Can Learn to Encode Predictions in their Interpretations. Proceedings of Machine Learning Research, 2021, 130, 1459-1467.	0.3	0
2924	Variational Dynamic for Self-Supervised Exploration in Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4776-4790.	11.3	4
2925	GoodFloorplan: Graph Convolutional Network and Reinforcement Learning-Based Floorplanning. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2022, 41, 3492-3502.	2.7	15
2926	Integrating Reinforcement Learning and Optimal Power Dispatch to Enhance Power Grid Resilience. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1402-1406.	3.0	9
2927	Study and Application of Machine Learning Methods in Modern Additive Manufacturing Processes. Advances in Computational Intelligence and Robotics Book Series, 2022, , 75-95.	0.4	8
2928	Machine learning for combustion. Energy and AI, 2022, 7, 100128.	10.6	68
2929	Rethinking formal models of partially observable multiagent decision making. Artificial Intelligence, 2022, 303, 103645.	5.8	7
2930	Performance and Cost-Efficient Spark Job Scheduling Based on Deep Reinforcement Learning in Cloud Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1695-1710.	5.6	43
2931	Deep-learning assisted Cross-Layer Routing in Multi-hop Wireless Network. , 2021, , .		1
2932	Efficiently Building a Large Scale Dataset for Program Induction. , 2021, , .		0
2933	Human Factors Considerations for Teaming between Construction Workers and Voice-based Intelligent Virtual Agent (VIVA). Proceedings of the Human Factors and Ergonomics Society, 2021, 65, 72-76.	0.3	1
2934	Reinforcement Learning for Automated Energy Efficient Mobile Network Performance Tuning. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
2935	Cross-Game Generalization Approaches for General Video Game Playing using Deep Reinforcement Learning. , 2021, , .		0
2936	Distributed Framework for Accelerating Training of Deep Learning Models through Prioritization. , 2021, , .		1
2937	Practical implications of SFQ-based two-qubit gates. , 2021, , .		3
2938	Exploiting 3D Spatial Relationships for Target-driven Visual Navigation. , 2021, , .		0
2939	UAV Swarm Attack-Defense Confrontation Based on Multi-agent Reinforcement Learning. Lecture Notes in Electrical Engineering, 2022, , 5599-5608.	0.4	5
2940	Implementation of Value-Decomposition Networks Based Algorithm for Multiple Units Combat in StarCraft. Lecture Notes in Electrical Engineering, 2022, , 1313-1319.	0.4	0
2941	Integrating Media Selection and Media Effects Using Decision Theory. Journal of Media Psychology, 2021, 33, 215-225.	1.0	7
2942	Data-driven control of room temperature and bidirectional EV charging using deep reinforcement learning: Simulations and experiments. Applied Energy, 2022, 307, 118127.	10.1	18
2944	Inâ€Memory Realization of Eligibility Traces Based on Conductance Drift of Phase Change Memory for Energyâ€Efficient Reinforcement Learning. Advanced Materials, 2022, 34, e2107811.	21.0	24
2945	Deep reinforcement learning-designed radiofrequency waveform in MRI. Nature Machine Intelligence, 2021, 3, 985-994.	16.0	12
2946	Electrolyte-gated neuromorphic transistors for brain-like dynamic computing. Journal of Applied Physics, 2021, 130, .	2.5	30
2947	End-to-end on-line rescheduling from Gantt chart images using deep reinforcement learning. International Journal of Production Research, 2022, 60, 4434-4463.	7.5	9
2948	Quantum-enhanced reinforcement learning for control: a preliminary study. Control Theory and Technology, 2021, 19, 455-464.	1.6	1
2949	Design and Realization of General Platform for Computer Game. Smart Innovation, Systems and Technologies, 2022, , 285-293.	0.6	0
2950	Asymptotics of Reinforcement Learning with Neural Networks. Stochastic Systems, 2022, 12, 2-29.	1.1	1
2951	Bio-inspired computing by nonlinear network dynamicsâ€a brief introduction. Journal of Physics Complexity, 2021, 2, 045019.	2.2	2
2953	Reasoning over multiplex heterogeneous graph for Target-oriented Opinion Words Extraction. Knowledge-Based Systems, 2021, , 107723.	7.1	1
2954	Knowledge Gaps: A Challenge for Agentâ€Based Automatic Task Completion. Topics in Cognitive Science, 2021, , .	1.9	0

#	ARTICLE	IF	CITATIONS
2955	Physics-informed Dyna-style model-based deep reinforcement learning for dynamic control. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	10
2956	Adaptive Fuzzy Neural Agent for Human and Machine Co-learning. International Journal of Fuzzy Systems, 2022, 24, 778-798.	4.0	2
2957	Quantum Optical Experiments Modeled by Long Short-Term Memory. Photonics, 2021, 8, 535.	2.0	7
2958	Future Challenges in Plant. Methods in Molecular Biology, 2022, 2395, 325-337.	0.9	0
2959	On the learning dynamics of two-layer quadratic neural networks for understanding deep learning. Frontiers of Computer Science, 2022, 16, 1.	2.4	1
2960	Deep Reinforcement Learning Algorithms for Path Planning Domain in Grid-like Environment. Applied Sciences (Switzerland), 2021, 11, 11335.	2.5	2
2962	Applications of artificial intelligence in dentistry: A comprehensive review. Journal of Esthetic and Restorative Dentistry, 2022, 34, 259-280.	3.8	71
2963	VARL: a variational autoencoder-based reinforcement learning Framework for vehicle routing problems. Applied Intelligence, 2022, 52, 8910-8923.	5.3	6
2964	The Design and Implementation of the Bidding Strategy in the Dou Dizhu Game. Smart Innovation, Systems and Technologies, 2022, , 15-24.	0.6	0
2966	Flutter speed prediction by using deep learning. Advances in Mechanical Engineering, 2021, 13, 168781402110622.	1.6	5
2967	Learning from the Failure of Autonomous and Intelligent Systems: Accidents, Safety, and Sociotechnical Sources of Risk. Risk Analysis, 2022, 42, 1999-2025.	2.7	11
2968	Autonomous maneuver strategy of swarm air combat based on DDPG. Autonomous Intelligent Systems, 2021, 1, 1.	3.1	11
2969	Adaptive Warm-Start MCTS inÂAlphaZero-Like Deep ReinforcementÂLearning. Lecture Notes in Computer Science, 2021, , 60-71.	1.3	4
2970	Deep Transfer Learning & Beyond: Transformer Language Models in Information Systems Research. SSRN Electronic Journal, 0, , .	0.4	0
2971	Fitting Small Piece-Wise Linear Neural Network Models to Interpolate Data Sets. Association for Women in Mathematics Series, 2021, , 137-179.	0.4	0
2972	Deep adversarial reinforcement learning with noise compensation by autoencoder. IEEE Access, 2021, , 1-1.	4.2	2
2973	Spiking Deep Residual Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 5200-5205.	11.3	34
2974	AI Models for Green Communications Towards 6G. IEEE Communications Surveys and Tutorials, 2022, 24, 210-247.	39.4	104

#	ARTICLE	IF	CITATIONS
2975	Optimal Control to Support High-Level User Goals in Human-Computer Interaction. Human-computer Interaction Series, 2021, , 33-72.	0.6	0
2976	A Study of First-Passage Time Minimization via Q-Learning in Heated Gridworlds. IEEE Access, 2021, 9, 159349-159363.	4.2	1
2977	Advances in Adversarial Attacks and Defenses in Computer Vision: A Survey. IEEE Access, 2021, 9, 155161-155196.	4.2	91
2978	Towards a Personalisation Framework for Cyber-Physical-Social System (CPSS). IFAC-PapersOnLine, 2021, 54, 243-248.	0.9	0
2979	Reinforcement-Learning-Based Task Planning for Self-Reconfiguration of Cellular Satellites. IEEE Aerospace and Electronic Systems Magazine, 2022, 37, 38-47.	1.3	3
2980	An Adaptive Hierarchical Energy Management Strategy for Hybrid Electric Vehicles Combining Heuristic Domain Knowledge and Data-Driven Deep Reinforcement Learning. IEEE Transactions on Transportation Electrification, 2022, 8, 3275-3288.	7.8	12
2982	An Adaptive Threshold for the Canny Algorithm With Deep Reinforcement Learning. IEEE Access, 2021, 9, 156846-156856.	4.2	3
2983	Autonomous Pilot of Unmanned Surface Vehicles: Bridging Path Planning and Tracking. IEEE Transactions on Vehicular Technology, 2022, 71, 2358-2374.	6.3	64
2984	Active User Detection and Channel Estimation for Massive Machine-Type Communication: Deep Learning Approach. IEEE Internet of Things Journal, 2022, 9, 11904-11917.	8.7	16
2986	Improved Metric Function for AlphaSeq Algorithm to Design Ideal Complementary Codes for Multi-Carrier CDMA Systems. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2021, , .	0.3	0
2989	Visualising Multiplayer Game Spaces. IEEE Transactions on Games, 2021, , 1-1.	1.4	1
2990	Odds Estimating with Opponent Hand Belief for Texas Hold'em Poker Agents. Lecture Notes in Computer Science, 2021, , 51-64.	1.3	1
2991	Classification of crystal structures using electron diffraction patterns with a deep convolutional neural network. RSC Advances, 2021, 11, 38307-38315.	3.6	5
2992	Hybrid Reinforcement Learning for Power Transmission Network Self-Healing Considering Wind Power. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6405-6415.	11.3	6
2993	SIMULATION OF PARTICLE SWARM OPTIMIZATION FOR INVESTMENTS ON STOCK MARKET. Metody IloÅciowe W Badaniach Ekonomicznych, 2021, 21, 235-241.	0.0	0
2994	The α Search Algorithm for the Game of Bridge. Communications in Computer and Information Science, 2021, , 1-16.	0.5	1
2995	NAEM: Noisy Attention Exploration Module for Deep Reinforcement Learning. IEEE Access, 2021, 9, 154600-154611.	4.2	0
2996	Reinforcement Learning for Traffic Signal Control: Comparison with Commercial Systems. Transportation Research Procedia, 2021, 58, 638-645.	1.5	5

#	ARTICLE	IF	CITATIONS
2997	Distributed Reinforcement Learning for Decentralized Linear Quadratic Control: A Derivative-Free Policy Optimization Approach. IEEE Transactions on Automatic Control, 2022, 67, 6429-6444.	5.7	22
2998	Align, then memorise: the dynamics of learning with feedback alignment*. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 044002.	2.1	1
2999	SAMBA: safe model-based& active reinforcement learning. Machine Learning, 2022, 111, 173-203.	5.4	1
3000	Learning to Guide a Saturation-Based Theorem Prover. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 738-751.	13.9	2
3001	Self-play learning strategies for resource assignment in Open-RAN networks. Computer Networks, 2022, 206, 108682.	5.1	8
3002	Sample-Efficient Reinforcement Learning Based on Dynamics Models via Meta-policy Optimization. Communications in Computer and Information Science, 2022, , 360-373.	0.5	1
3005	Parameter estimation in quantum sensing based on deep reinforcement learning. Npj Quantum Information, 2022, 8, .	6.7	24
3006	Regulatory technology (Reg-Tech) in financial stability supervision: Taxonomy, key methods, applications and future directions. International Review of Financial Analysis, 2022, 80, 102023.	6.6	14
3007	A representative volume element network (RVE-net) for accelerating RVE analysis, microscale material identification, and defect characterization. Computer Methods in Applied Mechanics and Engineering, 2022, 390, 114507.	6.6	9
3008	Fully asynchronous policy evaluation in distributed reinforcement learning over networks. Automatica, 2022, 136, 110092.	5.0	3
3009	Deep reinforcement learning for treatment planning in high-dose-rate cervical brachytherapy. Physica Medica, 2022, 94, 1-7.	0.7	11
3010	Alleviating parameter-tuning burden in reinforcement learning for large-scale process control. Computers and Chemical Engineering, 2022, 158, 107658.	3.8	7
3011	Supervised assisted deep reinforcement learning for emergency voltage control of power systems. Neurocomputing, 2022, 475, 69-79.	5.9	8
3012	Reinforcement learning for active distribution network planning based on Monte Carlo tree search. International Journal of Electrical Power and Energy Systems, 2022, 138, 107885.	5.5	8
3013	An efficient adversarial example generation algorithm based on an accelerated gradient iterative fast gradient. Computer Standards and Interfaces, 2022, 82, 103612.	5.4	23
3014	Deep multi-agent reinforcement learning for multi-level preventive maintenance in manufacturing systems. Expert Systems With Applications, 2022, 192, 116323.	7.6	36
3016	Monte Carlo Tree Search With Reinforcement Learning for Motion Planning. , 2020, , .		5
3017	Northeast Cyberteam - Building an Environment for Sharing Best Practices and Solutions for Research Computing. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
3018	Architecture and Interface for Collaborating with a Group of Agents in an Adversarial Game. , 2020, , .		1
3020	Socially Aware Crowd Navigation with Multimodal Pedestrian Trajectory Prediction for Autonomous Vehicles. , 2020, , .		11
3021	Game AI Competitions: Motivation for the Imitation Game-Playing Competition. , 0, , .		5
3022	A Deep Reinforcement Learning Approach for the Pursuit Evasion Game in the Presence of Obstacles. , 2020, , .		4
3023	Computational Science of Religion. Journal for the Cognitive Science of Religion, 2021, 6, .	0.2	3
3024	Tensor Action Spaces for Multi-agent Robot Transfer Learning. , 2020, , .		0
3025	A Review of AI and AI Intelligence Assessment. , 2020, , .		1
3026	Deep Reinforcement Learning based Wind Farm Cluster Reactive Power Optimization Considering Network Switching. , 2020, , .		1
3027	Reinforcement Learning-based Parameter Tuning for Virtual Synchronous Machine on Grid Transient Stability Enhancement. , 2020, , .		2
3028	Interactive Machine Learning for Data Exfiltration Detection: Active Learning with Human Expertise. , 2020, , .		7
3029	Accelerating Cooperative Planning for Automated Vehicles with Learned Heuristics and Monte Carlo Tree Search. , 2020, , .		3
3030	Multi-sliced Sampling-based Deep Forest Regression Algorithm for High-dimension Data. , 2020, , .		2
3031	An Entanglement-Inspired Action Selection and Knowledge Sharing Scheme for Cooperative Multi-agent Q-Learning Algorithm used in Robot Navigation. , 2020, , .		1
3032	GHGC: Goal-based Hierarchical Group Communication in Multi-Agent Reinforcement Learning. , 2020, , .		4
3033	Using models of cortical development based on sparse coding to discriminate between real and synthetically-generated faces. , 2020, , .		0
3034	Multi-Agent Deep Reinforcement Learning Based Pricing Strategy for Competing Cloud Platforms in the Evolutionary Market. , 2020, , .		0
3035	Demonstration of Joint Optimization between Cloud AI and On-board AI in Optical Transport Networks. , 2020, , .		1
3036	Several developments in learning control of quantum systems. , 2020, , .		8

#	ARTICLE	IF	CITATIONS
3037	Towards a Smart Opponent for Board Games: Learning beyond Simulations. , 2020, , .		1
3038	Online RPG Environment for Reinforcement Learning. , 2020, , .		0
3039	Learn to Floorplan through Acquisition of Effective Local Search Heuristics. , 2020, , .		13
3040	Extension of Rule-based SLICE Platform With Deep Learning Model. , 2020, , .		1
3041	From Simulation to Real World Maneuver Execution using Deep Reinforcement Learning. , 2020, , .		5
3042	Point Cloud Based Reinforcement Learning for Sim-to-Real and Partial Observability in Visual Navigation. , 2020, , .		5
3043	Scaling Up Multiagent Reinforcement Learning for Robotic Systems: Learn an Adaptive Sparse Communication Graph. , 2020, , .		9
3044	Reinforced Grounded Action Transformation for Sim-to-Real Transfer. , 2020, , .		8
3045	A Reinforcement Learning Approach to Design Verification Strategies of Engineered Systems. , 2020, , .		5
3046	Learning Effective Value Function Factorization via Attentional Communication. , 2020, , .		1
3047	Satellite Attitude Control with Deep Reinforcement Learning. , 2020, , .		3
3048	Derived metrics for the game of Go “intrinsic network strength assessment and cheat-detection. , 2020, , .		4
3049	Collaborative Collision Avoidance for CAVs in Unpredictable Scenarios. , 2020, , .		2
3050	A Parallel Medical Diagnostic and Treatment System for Chronic Diseases. , 2020, , .		4
3051	How Much Does It Hurt: A Deep Learning Framework for Chronic Pain Score Assessment. , 2020, , .		2
3052	URNAL: A Multi-Game Toolkit for Experimenting Deep Reinforcement Learning Algorithms. , 2020, , .		0
3053	Intelligent decision-making based on neural network and simulation in two Islands air defense operation. , 2020, , .		0
3054	Informational Analysis of Go, Part 2: Zuozi and Huanqitou. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
3055	Recommending Bids on Dou-DiZhu Poker Games: A Deep Learning Approach. , 2020, , .		2
3056	Data-Driven Robust Voltage/VAR Control Using PV Inverters in Active Distribution Networks. , 2020, , .		1
3057	Preferential Experience Collection with Frequency based Intrinsic Reward for Deep Reinforcement Learning. , 2020, , .		1
3058	Photonic perceptron based on a Kerr microcomb for high-speed, scalable, optical neural networks. , 2020, , .		2
3059	Parallel Machine Workshop Scheduling Using the Integration of Proximal Policy Optimization Training and Monte Carlo Tree Search. , 2020, , .		2
3060	Reinforcement Learning Driven Physical Synthesis : (Invited Paper). , 2020, , .		2
3061	Drafting in Collectible Card Games via Reinforcement Learning. , 2020, , .		3
3062	2ⁿ+1-valued SSS-Net: Uniform Shift, Channel Sparseness, and Channel Shuffle. , 2020, , .		0
3063	Deep Learning-based Approximate Graph-Coloring Algorithm for Register Allocation. , 2020, , .		5
3064	Flocking Control of UAV Swarms with Deep Reinforcement Learning Approach. , 2020, , .		9
3065	Paradox of AlphaZero: Strategic vs. Optimal Plays. , 2020, , .		0
3066	Optimal Observation Policy of Fault Diagnosis: A Reinforcement Learning Approach. , 2020, , .		0
3067	Fairness Testing of Machine Learning Models Using Deep Reinforcement Learning. , 2020, , .		3
3068	A Neural Model for Automatic Bidding of Contract Bridge. , 2020, , .		1
3069	Convolutional Neural Networkâ€‘Based Automatic Classification of Colorectal and Prostate Tumor Biopsies Using Multispectral Imagery: System Development Study. JMIR Bioinformatics and Biotechnology, 2022, 3, e27394.	0.9	0
3071	Policy Gradient and Actorâ€‘Critic Learning in Continuous Time and Space: Theory and Algorithms. SSRN Electronic Journal, 0, , .	0.4	1
3072	Experimental Quantum-enhanced Reinforcement Learning. , 2021, , .		0
3074	Research on Monte Carlo Tree Search Method of Adaptive Resource Scheduling for Multi-agent Game. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
3075	An algorithm of air combat maneuver strategy based on two layer game decision-making and distributed MCTS method with double game trees under uncertain interval information conditions. , 2021, , .		2
3077	A Future-Oriented Cache Management for Mobile Games. , 2021, , .		0
3078	Configurable Agent With Reward As Input: A Play-Style Continuum Generation. , 2021, , .		2
3079	Improving Model and Search for Computer Go. , 2021, , .		7
3080	A New Challenge: Approaching Tetris Link with AI. , 2021, , .		2
3081	Carle's Game: An Open-Ended Challenge in Exploratory Machine Creativity. , 2021, , .		0
3082	VGC AI Competition - A New Model of Meta-Game Balance AI Competition. , 2021, , .		3
3083	Fingerprinting Tabletop Games. , 2021, , .		1
3084	GomokuNet: A Novel UNet-style Network for Gomoku Zero Learning via Exploiting Positional Information and Multiscale Features. , 2021, , .		5
3085	AI solutions for drafting in Magic: the Gathering. , 2021, , .		0
3086	A deep learning based robot positioning error compensation. , 2021, , .		0
3087	Real-Time Model Predictive Control for Shot Aiming in a Physical Pinball Machine. , 2021, , .		2
3088	Predicting Human Card Selection in Magic: The Gathering with Contextual Preference Ranking. , 2021, , .		2
3089	Accurate Grid Keypoint Learning for Efficient Video Prediction. , 2021, , .		5
3090	OPEn: An Open-ended Physics Environment for Learning Without a Task. , 2021, , .		0
3091	SOON: Social Network of Machines to Optimize Task Scheduling in Smart Manufacturing. , 2021, , .		2
3092	Low Dimensional State Representation Learning with Robotics Priors in Continuous Action Spaces. , 2021, , .		2
3093	Trajectory Design and Bandwidth Assignment for UAVs-enabled Communication Network with Multi-Agent Deep Reinforcement Learning. , 2021, , .		6

#	ARTICLE	IF	CITATIONS
3094	Development and research of learning algorithms for neural networks with reinforcement in the gaming industry. , 2021, , .		0
3095	GloCAL: Glocalized Curriculum-Aided Learning of Multiple Tasks with Application to Robotic Grasping. , 2021, , .		0
3096	Aggregation Transfer Learning for Multi-Agent Reinforcement learning. , 2021, , .		2
3097	Mapless Humanoid Navigation Using Learned Latent Dynamics. , 2021, , .		0
3098	Research on Application of Deep Reinforcement Learning in Traffic Signal Control. , 2021, , .		3
3099	Discrete Task-Space Automatic Curriculum Learning for Robotic Grasping. , 2021, , .		0
3100	A Neuromorphic Computing Platform with Compact Neuromorphic Core. , 2021, , .		0
3101	Applicability Testing Technique of Intelligent Processor for Embedded Computing System. , 2021, , .		0
3102	Distributed Reinforcement Learning with Self-Play in Parameterized Action Space. , 2021, , .		1
3103	Hyperparameter Choice as Search Bias in AlphaZero. , 2021, , .		0
3104	DBias: Predicting attribute effectiveness using biased databases. , 2021, , .		0
3105	MorphNet Impacts on Neural Network Optimizers. , 2021, , .		0
3106	Network Maintenance Planning Via Multi-Agent Reinforcement Learning*. , 2021, , .		1
3107	Learning Through Structure: Towards Deep Neuromorphic Knowledge Graph Embeddings. , 2021, , .		3
3108	Analysing and Predicting the maneuver behaviors of aircraft with Box-Jenkins ARIMA model. , 2021, , .		0
3109	Patch Attack Invariance: How Sensitive are Patch Attacks to 3D Pose?. , 2021, , .		2
3110	Gym Hero: A Research Environment for Reinforcement Learning Agents in Rhythm Games. , 2021, , .		0
3112	Learning Robotic Skills via Self-Imitation and Guide Reward. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
3113	Pedestrian Avoidance with and Without Incoming Traffic by Using Deep Reinforcement Learning. , 2021, , .		0
3114	Magnetic Miniature Actuators with Sixâ€Degreesâ€ofâ€Freedom Multimodal Softâ€Bodied Locomotion. Advanced Intelligent Systems, 2022, 4, .	6.1	16
3115	Structural Parameter Space Exploration for Reinforcement Learning via a Matrix Variate Distribution. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 1025-1035.	4.9	3
3116	Heterotic String Model Building with Monad Bundles and Reinforcement Learning. Fortschritte Der Physik, 2022, 70, .	4.4	4
3117	Sample complexity of learning parametric quantum circuits. Quantum Science and Technology, 2022, 7, 025014.	5.8	9
3118	Applying attention-based BiLSTM and technical indicators in the design and performance analysis of stock trading strategies. Neural Computing and Applications, 2022, 34, 13267-13279.	5.6	9
3119	A Hybrid Shuffled Frog Leaping Algorithm and Its Performance Assessment in Multi-Dimensional Symmetric Function. Symmetry, 2022, 14, 131.	2.2	3
3120	Insider attack detection in database with deep metric neural network with Monte Carlo sampling. Logic Journal of the IGPL, 2022, 30, 979-992.	1.5	4
3121	Application of big data in COVID-19 epidemic. , 2022, , 141-165.		2
3122	Machine learning and control theory. Handbook of Numerical Analysis, 2022, , 531-558.	1.8	5
3123	A Control Method with Reinforcement Learning for Urban Un-Signalized Intersection in Hybrid Traffic Environment. Sensors, 2022, 22, 779.	3.8	7
3125	Deep Transfer Learning & Beyond: Transformer Language Models in Information Systems Research. ACM Computing Surveys, 2022, 54, 1-35.	23.0	16
3126	Deep Reinforcement Learning for FlipIt Security Game. Studies in Computational Intelligence, 2022, , 831-843.	0.9	3
3128	Unsupervised Domain Transfer for Task Automation in Unmanned Underwater Vehicle Intervention Operations. IEEE Journal of Oceanic Engineering, 2022, 47, 312-321.	3.8	0
3132	OmniDRL: An Energy-Efficient Deep Reinforcement Learning Processor With Dual-Mode Weight Compression and Sparse Weight Transposer. IEEE Journal of Solid-State Circuits, 2022, 57, 999-1012.	5.4	0
3133	MDMD options discovery for accelerating exploration in sparse-reward domains. Knowledge-Based Systems, 2022, 241, 108151.	7.1	2
3134	Reversible Data Hiding for Color Images Based on Adaptive 3D Prediction-Error Expansion and Double Deep Q-Network. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 5055-5067.	8.3	7
3135	Review of machine learning technologies and artificial intelligence in modern manufacturing systems. , 2022, , 317-348.		9

#	ARTICLE	IF	CITATIONS
3136	Overview of One-Dimensional Continuous Functions with Fractional Integral and Applications in Reinforcement Learning. Fractal and Fractional, 2022, 6, 69.	3.3	2
3137	Applying machine learning to study fluid mechanics. Acta Mechanica Sinica/Lixue Xuebao, 2021, 37, 1718-1726.	3.4	45
3138	Ideal algorithms in healthcare: Explainable, dynamic, precise, autonomous, fair, and reproducible. , 2022, 1, e0000006.		29
3139	Reinforcement learning based framework for COVID-19 resource allocation. Computers and Industrial Engineering, 2022, 167, 107960.	6.3	8
3140	A Survey of Embodied AI: From Simulators to Research Tasks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 230-244.	4.9	54
3141	Personalized next-best action recommendation with multi-party interaction learning for automated decision-making. PLoS ONE, 2022, 17, e0263010.	2.5	6
3142	Neural-Guided, Bidirectional Program Search for Abstraction and Reasoning. Studies in Computational Intelligence, 2022, , 657-668.	0.9	1
3143	Matrix-product neural network based on sequence block matrix product. Journal of Supercomputing, 2022, 78, 8467-8492.	3.6	1
3144	An Adaptive Control Framework for Dynamically Reconfigurable Battery Systems Based on Deep Reinforcement Learning. IEEE Transactions on Industrial Electronics, 2022, 69, 12980-12987.	7.9	8
3145	Surrogate gradients for analog neuromorphic computing. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	37
3146	Safe Curriculum Learning for Linear Systems with Parametric Unknowns in Primary Flight Control. , 2022, , .		1
3147	Application of Deep Reinforcement Learning and Transfer Learning for Optimization of Geometry Parameters of Corrugated Wing. , 2022, , .		0
3148	Weakly Supervised Segmentation Loss Based on Graph Cuts and Superpixel Algorithm. Neural Processing Letters, 2022, 54, 2339-2362.	3.2	7
3149	Identifying optimal cycles in quantum thermal machines with reinforcement-learning. Npj Quantum Information, 2022, 8, .	6.7	57
3151	Optimal Actor-Critic Policy With Optimized Training Datasets. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 1324-1334.	4.9	2
3152	Planning in the brain. Neuron, 2022, 110, 914-934.	8.1	37
3153	Ultralow-Power Synaptic Transistors Based on Ta ₂ O ₅ /Al ₂ O ₃ Bilayer Dielectric for Algebraic Arithmetic. Advanced Electronic Materials, 2022, 8, .	5.1	8
3154	Transfer Learning and Curriculum Learning in Sokoban. Communications in Computer and Information Science, 2022, , 187-200.	0.5	4

#	ARTICLE	IF	CITATIONS
3155	Swarm Intelligence in Cooperative Environments: Introducing the N-Step Dynamic Tree Search Algorithm. , 2022, , .		3
3156	Transfer reinforcement learning via meta-knowledge extraction using auto-pruned decision trees. Knowledge-Based Systems, 2022, 242, 108221.	7.1	6
3157	An Intelligent Mission Planning Model for the Air Strike Operations against Islands Based on Neural Network and Simulation. Discrete Dynamics in Nature and Society, 2022, 2022, 1-7.	0.9	0
3158	AI and Big Data in Tourism. Tourism on the Verge, 2022, , 3-15.	1.6	7
3159	GENERAL PROOF OF CONVERGENCE OF THE NASH-Q-LEARNING ALGORITHM. Fractals, 0, , .	3.7	0
3160	Automated Team Assembly in Mobile Games: A Data-Driven Evolutionary Approach Using a Deep Learning Surrogate. IEEE Transactions on Games, 2023, 15, 67-80.	1.4	1
3161	Challenges of human-machine collaboration in risky decision-making. Frontiers of Engineering Management, 2022, 9, 89-103.	6.1	24
3162	A Survey on Artificial Intelligence (AI) and eXplainable AI in Air Traffic Management: Current Trends and Development with Future Research Trajectory. Applied Sciences (Switzerland), 2022, 12, 1295.	2.5	40
3163	Visual Detection and Deep Reinforcement Learning-Based Car Following and Energy Management for Hybrid Electric Vehicles. IEEE Transactions on Transportation Electrification, 2022, 8, 2501-2515.	7.8	33
3164	Enabling Robust DRL-Driven Networking Systems via Teacher-Student Learning. IEEE Journal on Selected Areas in Communications, 2022, 40, 376-392.	14.0	6
3165	High-uniformity Memristor Arrays Based on Two-dimensional MoTe ₂ for Neuromorphic Computing. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2022, 37, 795.	1.3	6
3166	Safe Distributional Reinforcement Learning. Lecture Notes in Computer Science, 2022, , 107-128.	1.3	1
3167	MAINTAIN AGENT CONSISTENCY IN SURAKARTA CHESS USING DUELING DEEP NETWORK WITH INCREASING BATCH. IIUM Engineering Journal, 2022, 23, 159-171.	0.8	0
3168	Unlocking the potential of gaming for anticipatory governance. Earth System Governance, 2022, 11, 100130.	3.4	9
3170	Graph-based reinforcement learning for discrete cross-section optimization of planar steel frames. Advanced Engineering Informatics, 2022, 51, 101512.	8.0	11
3171	Run Time Assured Reinforcement Learning for Safe Satellite Docking. , 2022, , .		7
3172	Conformal bootstrap with reinforcement learning. Physical Review D, 2022, 105, .	4.7	15
3173	Can Deep Reinforcement Learning Improve Inventory Management? Performance on Lost Sales, Dual-Sourcing, and Multi-Echelon Problems. Manufacturing and Service Operations Management, 2022, 24, 1349-1368.	3.7	44

#	ARTICLE	IF	CITATIONS
3174	High-performance tensor decompositions for compressing and accelerating deep neural networks. , 2022, , 293-340.		2
3175	Thalamocortical contribution to flexible learning in neural systems. Network Neuroscience, 2022, 6, 980-997.	2.6	7
3176	ABC-Net: a divide-and-conquer based deep learning architecture for SMILES recognition from molecular images. Briefings in Bioinformatics, 2022, 23, .	6.5	7
3177	Active control for the flow around various geometries through deep reinforcement learning. Fluid Dynamics Research, 2022, 54, 015510.	1.3	3
3178	An Approach to Combine the Power of Deep Reinforcement Learning with a Graph Neural Network for Routing Optimization. Electronics (Switzerland), 2022, 11, 368.	3.1	12
3179	CT Segmentation of Dinosaur Fossils by Deep Learning. Frontiers in Earth Science, 2022, 9, .	1.8	6
3180	Flexible cylinder flow-induced vibration. Physics of Fluids, 2022, 34, .	4.0	24
3181	Machine learning and conventional statistics: making sense of the differences. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 753-757.	4.2	56
3182	Learning manipulation skills with demonstrations for the swing process control of dredgers. Ocean Engineering, 2022, 246, 110545.	4.3	2
3183	Is AI intelligent? An assessment of artificial intelligence, 70 years after Turing. Technology in Society, 2022, 68, 101893.	9.4	17
3184	Physics-informed linear regression is competitive with two Machine Learning methods in residential building MPC. Applied Energy, 2022, 310, 118491.	10.1	31
3185	Toward the biological model of the hippocampus as the successor representation agent. BioSystems, 2022, 213, 104612.	2.0	5
3186	Weakly Supervised Disentangled Representation for Goal-Conditioned Reinforcement Learning. IEEE Robotics and Automation Letters, 2022, 7, 2202-2209.	5.1	4
3187	Time-Optimized Online Planning For Parallel Parking With Nonlinear Optimization and Improved Monte Carlo Tree Search. IEEE Robotics and Automation Letters, 2022, 7, 2226-2233.	5.1	6
3188	AI in 3D compound design. Current Opinion in Structural Biology, 2022, 73, 102326.	5.7	8
3189	Automatic and fast classification of barley grains from images: A deep learning approach. Smart Agricultural Technology, 2022, 2, 100036.	5.4	4
3190	Outracing champion Gran Turismo drivers with deep reinforcement learning. Nature, 2022, 602, 223-228.	27.8	122
3191	Construction of symmetric orthogonal designs with deep Q-network and orthogonal complementary design. Computational Statistics and Data Analysis, 2022, 171, 107448.	1.2	4

#	ARTICLE	IF	CITATIONS
3192	Deterministic policy optimization with clipped value expansion and long-horizon planning. Neurocomputing, 2022, , .	5.9	0
3193	Research on Anti-Jamming Algorithm of Massive MIMO Communication System Based on Multi-User Game Theory. Mobile Networks and Applications, 0, , 1.	3.3	0
3195	Constructing neural network models from brain data reveals representational transformations linked to adaptive behavior. Nature Communications, 2022, 13, 673.	12.8	23
3196	Autonomous Maneuver Decision Making of Dual-UAV Cooperative Air Combat Based on Deep Reinforcement Learning. Electronics (Switzerland), 2022, 11, 467.	3.1	32
3197	A Reinforcement Learning Based Decision Support Tool for Epidemic Control: Validation Study for COVID-19. Applied Artificial Intelligence, 2022, 36, .	3.2	3
3198	Rule mining over knowledge graphs via reinforcement learning. Knowledge-Based Systems, 2022, 242, 108371.	7.1	12
3199	Reinforcement learning for online adaptation of model predictive controllers: Application to a selective catalytic reduction unit. Computers and Chemical Engineering, 2022, 160, 107727.	3.8	11
3200	Applications of game theory in deep learning: a survey. Multimedia Tools and Applications, 2022, 81, 8963-8994.	3.9	23
3201	Physics-informed neural networks for the shallow-water equations on the sphere. Journal of Computational Physics, 2022, 456, 111024.	3.8	30
3202	COLREGs-abiding hybrid collision avoidance algorithm based on deep reinforcement learning for USVs. Ocean Engineering, 2022, 247, 110749.	4.3	21
3203	Solving hard-exploration problems with counting and replay approach. Engineering Applications of Artificial Intelligence, 2022, 110, 104701.	8.1	1
3204	Multi-agent reinforcement learning for Markov routing games: A new modeling paradigm for dynamic traffic assignment. Transportation Research Part C: Emerging Technologies, 2022, 137, 103560.	7.6	19
3205	Variational Quantum Circuit-Based Reinforcement Learning for POMDP and Experimental Implementation. Mathematical Problems in Engineering, 2021, 2021, 1-11.	1.1	9
3206	Recent advances for quantum classifiers. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1.	5.1	40
3207	UAV Swarm Confrontation Using Hierarchical Multiagent Reinforcement Learning. International Journal of Aerospace Engineering, 2021, 2021, 1-12.	0.9	24
3209	Deep learning for spacecraft guidance, navigation, and control. Kosmicheskaia Nauka i Tekhnologii, 2021, 27, 38-52.	0.5	2
3212	Synaptic transistor with tunable synaptic behavior based on a thermo-denatured polar polymer material. Journal of Materials Chemistry C, 2022, 10, 5534-5541.	5.5	5
3213	Transfer Dynamics in Emergent Evolutionary Curricula. IEEE Transactions on Games, 2023, 15, 157-170.	1.4	0

#	ARTICLE	IF	CITATIONS
3214	Machine Learning Technology and Its Current Implementation in Agriculture. Springer Optimization and Its Applications, 2022, , 41-73.	0.9	1
3215	Learning and Fast Adaptation for Grid Emergency Control via Deep Meta Reinforcement Learning. IEEE Transactions on Power Systems, 2022, 37, 4168-4178.	6.5	12
3216	rSoccer: A Framework for Studying Reinforcement Learning in Small and Very Small Size Robot Soccer. Lecture Notes in Computer Science, 2022, , 165-176.	1.3	2
3217	High-Content Screening in Cell Biology. , 2022, , .		0
3218	Model-Free Neural Counterfactual Regret Minimization With Bootstrap Learning. IEEE Transactions on Games, 2023, 15, 315-325.	1.4	3
3219	Artificial Intelligence in Surgery. , 2022, , 855-862.		1
3220	Prospects of Intuitive Interaction Modeling in Automated Shape Generation. Architecture and Urban Planning, 2022, 18, 10-16.	0.4	0
3221	Applications of Physics-Informed Neural Networks in Power Systems - A Review. IEEE Transactions on Power Systems, 2023, 38, 572-588.	6.5	64
3223	Reinforcement Learning With Dual-Observation for General Video Game Playing. IEEE Transactions on Games, 2023, 15, 202-216.	1.4	0
3224	Self-Regularity of Non-Negative Output Weights for Overparameterized Two-Layer Neural Networks. IEEE Transactions on Signal Processing, 2022, 70, 1310-1319.	5.3	1
3225	Entropy-Aware Model Initialization for Effective Exploration In Deep Reinforcement Learning. SSRN Electronic Journal, 0, , .	0.4	1
3226	Deep Reinforcement Learning based approach for Traffic Signal Control. Transportation Research Procedia, 2022, 62, 278-285.	1.5	5
3227	Text-Driven Video Acceleration: A Weakly-Supervised Reinforcement Learning Method. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 2492-2504.	13.9	1
3228	Attention Enhanced Reinforcement Learning for Multi agent Cooperation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8235-8249.	11.3	6
3229	Improving Deep Reinforcement Learning with Mirror Loss. IEEE Transactions on Games, 2022, , 1-1.	1.4	0
3230	Robust Lane Change Decision Making for Autonomous Vehicles: An Observation Adversarial Reinforcement Learning Approach. IEEE Transactions on Intelligent Vehicles, 2023, 8, 184-193.	12.7	52
3231	Artificial intelligence techniques for implementation of intelligent machining. Materials Today: Proceedings, 2022, 56, 1947-1955.	1.8	11
3232	Game of Drones: Multi-UAV Pursuit-Evasion Game With Online Motion Planning by Deep Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7900-7909.	11.3	25

#	ARTICLE	IF	CITATIONS
3233	A Lightweight Convolutional Neural Network for End to End Autonomous Driving. SSRN Electronic Journal, 0, , .	0.4	1
3234	A Discrete Matrix-product Operation. , 2022, , .		0
3235	Global Instance Tracking: Locating Target More Like Humans. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 576-592.	13.9	5
3236	Interactive Artificial Neural Network Model for UX Design. EAI/Springer Innovations in Communication and Computing, 2022, , 277-284.	1.1	7
3237	How Does AI Play Football? An Analysis of RL and Real-world Football Strategies. , 2022, , .		4
3239	A Classification of Artificial Intelligence Systems for Mathematics Education. Mathematics Education in the Digital Era, 2022, , 89-106.	0.4	9
3241	Shadow-Price DRL: A Framework for Online Scheduling of Shared Autonomous EVs Fleets. IEEE Transactions on Smart Grid, 2022, 13, 3106-3117.	9.0	10
3242	Lore a Red Team Emulation Tool. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 1596-1608.	5.4	2
3243	Security Analysis of Poisoning Attacks Against Multi-agent Reinforcement Learning. Lecture Notes in Computer Science, 2022, , 660-675.	1.3	1
3245	ECG Classification Using Machine Learning Classifiers with Optimal Feature Selection Methods. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 277-289.	0.7	4
3246	Large-Scale Maintenance and Rehabilitation Optimization for Multi-Lane Highway Asphalt Pavement: A Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 22094-22105.	8.0	12
3247	Multiple Suboptimal Policies Integrated Reinforcement Learning Algorithm for Path Planning. , 2022, , .		1
3248	"Deep Reinforcement Learning for Engineering Design Through Topology Optimization of Elementally Discretized Design Domains". SSRN Electronic Journal, 0, , .	0.4	0
3249	Olivaw: Mastering <i>Othello</i> Without Human Knowledge, nor a Fortune. IEEE Transactions on Games, 2023, 15, 285-291.	1.4	4
3250	Creativity of Deep Learning: Conceptualization and Assessment. , 2022, , .		6
3251	Deep Q-Network-Based Cloud-Native Network Function Placement in Edge Cloud-Enabled Non-Public Networks. IEEE Transactions on Network and Service Management, 2023, 20, 1804-1816.	4.9	4
3252	Learning of Art Style Using AI and Its Evaluation Based on Psychological Experiments. International Journal of Arts and Technology, 2022, 14, 1.	0.1	1
3254	One Possibility of a Neuro-Symbolic Integration. Studies in Computational Intelligence, 2022, , 428-437.	0.9	0

#	ARTICLE	IF	CITATIONS
3255	Energy-Efficient Ultra-Dense Network With Deep Reinforcement Learning. IEEE Transactions on Wireless Communications, 2022, 21, 6539-6552.	9.2	17
3256	Deep generative models for peptide design. , 2022, 1, 195-208.		34
3257	Artificial Intelligence Trends and Ethics: Issues and Alternatives for Investors. Intelligent Control and Automation, 2022, 13, 1-15.	0.8	3
3258	Channel Pruning via Lookahead Search Guided Reinforcement Learning. , 2022, , .		7
3259	Online Knowledge Distillation by Temporal-Spatial Boosting. , 2022, , .		4
3260	Exit Decisions Inspired by Reinforcement Learning. , 2022, , .		0
3261	Quantum Circuit Transformation: A Monte Carlo Tree Search Framework. ACM Transactions on Design Automation of Electronic Systems, 2022, 27, 1-27.	2.6	4
3262	Quantum Neurobiology. Quantum Reports, 2022, 4, 107-126.	1.3	3
3263	Investigating the multi-objective optimization of quality and efficiency using deep reinforcement learning. Applied Intelligence, 0, , 1.	5.3	2
3264	Deep Reinforcement Learning-Based Energy Management for Hybrid Electric Vehicles. Synthesis Lectures on Advances in Automotive Technology, 2022, 6, 1-135.	0.5	0
3265	AI Enabled Bridge Bidding Supporting Interactive Visualization. Sensors, 2022, 22, 1877.	3.8	2
3266	Threshold Switching Memristor Based on the BaTiO ₃ /Nb:SrTiO ₃ Epitaxial Heterojunction for Neuromorphic Computing. ACS Applied Electronic Materials, 2022, 4, 982-989.	4.3	14
3267	Reinforcement Learning Optimized Intelligent Electricity Dispatching System. Journal of Physics: Conference Series, 2022, 2215, 012013.	0.4	1
3268	Conveying Intention by Motions With Awareness of Information Asymmetry. Frontiers in Robotics and AI, 2022, 9, 783863.	3.2	2
3269	Neural-augmented two-stage Monte Carlo tree search with oversampling for protein folding in HP Model. IEEE Transactions on Electrical and Electronic Engineering, 2022, 17, 685-694.	1.4	2
3270	Design of simulation-based pilot training systems using machine learning agents. Aeronautical Journal, 2022, 126, 907-931.	1.6	1
3271	A Comprehensive Evaluation of Metabolomics Data Preprocessing Methods for Deep Learning. Metabolites, 2022, 12, 202.	2.9	4
3272	Learning-based adaptive optimal output regulation of linear and nonlinear systems: an overview. Control Theory and Technology, 2022, 20, 1-19.	1.6	13

#	ARTICLE	IF	CITATIONS
3273	Deep learning for general game playing with Ludii and Polygames. ICGA Journal, 2022, 43, 146-161.	0.3	5
3274	Can Robots Do Epidemiology? Machine Learning, Causal Inference, and Predicting the Outcomes of Public Health Interventions. Philosophy and Technology, 2022, 35, 14.	4.3	4
3275	Variational quantum reinforcement learning via evolutionary optimization. Machine Learning: Science and Technology, 2022, 3, 015025.	5.0	22
3277	E2HRL: An Energy-Efficient Hardware Accelerator for Hierarchical Deep Reinforcement Learning. ACM Transactions on Design Automation of Electronic Systems, 0, , .	2.6	1
3278	Neuromorphic Engineering Needs Closed-Loop Benchmarks. Frontiers in Neuroscience, 2022, 16, 813555.	2.8	2
3279	Dr.PathFinder: hybrid fuzzing with deep reinforcement concolic execution toward deeper path-first search. Neural Computing and Applications, 2022, 34, 10731-10750.	5.6	2
3280	Deep learning in macroscopic diffuse optical imaging. Journal of Biomedical Optics, 2022, 27, .	2.6	16
3281	The Implications of Diverse Human Moral Foundations for Assessing the Ethicality of Artificial Intelligence. Journal of Business Ethics, 2022, 178, 961-976.	6.0	13
3282	Artificial intelligence to identify genetic alterations in conventional histopathology. Journal of Pathology, 2022, 257, 430-444.	4.5	49
3283	Challenges in coherent beam combining of high power fiber amplifiers: a review. ISSS Journal of Micro and Smart Systems, 2022, 11, 277-293.	2.0	6
3284	11 Tera-OPs/s photonic convolutional accelerator and deep optical neural network based on an integrated Kerr soliton crystal microcomb. , 2022, , .		1
3285	Review of UAV-based autonomous search algorithms for hazardous sources. Scientia Sinica Informationis, 2022, 52, 1579.	0.4	1
3286	Machine Learning Assisted Spraying Pattern Recognition for Electrohydrodynamic Atomization System. Industrial & Engineering Chemistry Research, 2022, 61, 8495-8503.	3.7	7
3287	Machine intelligence for chemical reaction space. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2022, 12, .	14.6	30
3288	Deep reinforcement learning based synthetic jet control on disturbed flow over airfoil. Physics of Fluids, 2022, 34, .	4.0	26
3289	Train timetabling with the general learning environment and multi-agent deep reinforcement learning. Transportation Research Part B: Methodological, 2022, 157, 230-251.	5.9	20
3290	Quo vadis artificial intelligence?. Discover Artificial Intelligence, 2022, 2, 1.	3.1	75
3291	Smart grid dispatch powered by deep learning: a survey. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 763-776.	2.6	7

#	ARTICLE	IF	CITATIONS
3292	Analogue Models and Universal Machines. Paradigms of Epistemic Transparency in Artificial Intelligence. Minds and Machines, 2022, 32, 111-133.	4.8	1
3293	Automatic Ceiling Damage Detection in Large-Span Structures Based on Computer Vision and Deep Learning. Sustainability, 2022, 14, 3275.	3.2	11
3294	Connecting brain and heart: artificial intelligence for sustainable development. Scientometrics, 0, , 1.	3.0	2
3295	Restoring and attributing ancient texts using deep neural networks. Nature, 2022, 603, 280-283.	27.8	53
3296	Jacques Pitrat, la m�taconnaissance et le bootstrap de l��IA. , 2022, 3, 155-166.		0
3297	Split Computing and Early Exiting for Deep Learning Applications: Survey and Research Challenges. ACM Computing Surveys, 2023, 55, 1-30.	23.0	30
3298	Real-time digital twin-based optimization with predictive simulation learning. Journal of Simulation, 2024, 18, 47-64.	1.5	20
3299	Utilizing Reinforcement Learning to Continuously Improve a Primitive-Based Motion Planner. Journal of Aerospace Information Systems, 2022, 19, 468-479.	1.4	2
3300	Nonasymptotic Analysis of Monte Carlo Tree Search. Operations Research, 2022, 70, 3234-3260.	1.9	4
3301	Relative Entropy of Correct Proximal Policy Optimization Algorithms with Modified Penalty Factor in Complex Environment. Entropy, 2022, 24, 440.	2.2	3
3302	Reinforcement learning for online optimization of job-shop scheduling in a smart manufacturing factory. Advances in Mechanical Engineering, 2022, 14, 168781322210861.	1.6	8
3303	Prediction, Knowledge, and Explainability: Examining the Use of General Value Functions in Machine Knowledge. Frontiers in Artificial Intelligence, 2022, 5, 826724.	3.4	0
3305	De novo creation of a naked eye�detectable fluorescent molecule based on quantum chemical computation and machine learning. Science Advances, 2022, 8, eabj3906.	10.3	14
3306	Integrated photonic computation accelerator based on a cascaded array of Mach-Zehnder interferometers. , 2022, , .		0
3307	LORM: a novel reinforcement learning framework for biped gait control. PeerJ Computer Science, 2022, 8, e927.	4.5	4
3308	Advancing Human Understanding with Deep Learning Go AI Engines. , 2022, 81, .		2
3309	Optimizing quantum annealing schedules with Monte Carlo tree search enhanced with neural networks. Nature Machine Intelligence, 2022, 4, 269-278.	16.0	12
3310	A Functional Contextual Account of Background Knowledge in Categorization: Implications for Artificial General Intelligence and Cognitive Accounts of General Knowledge. Frontiers in Psychology, 2022, 13, 745306.	2.1	6

#	ARTICLE	IF	CITATIONS
3311	Towards accurate and reliable resolution of structural variants for clinical diagnosis. <i>Genome Biology</i> , 2022, 23, 68.	8.8	34
3312	Predicting micro-bubble dynamics with semi-physics-informed deep learning. <i>AIP Advances</i> , 2022, 12, .	1.3	11
3313	Utilization of Artificial Intelligence in Disease Prevention: Diagnosis, Treatment, and Implications for the Healthcare Workforce. <i>Healthcare (Switzerland)</i> , 2022, 10, 608.	2.0	32
3314	Stock Trading Strategies Based on Deep Reinforcement Learning. <i>Scientific Programming</i> , 2022, 2022, 1-15.	0.7	4
3315	Using deep learning to predict human decisions and using cognitive models to explain deep learning models. <i>Scientific Reports</i> , 2022, 12, 4736.	3.3	12
3316	A Novel Reinforcement Learning Collision Avoidance Algorithm for USVs Based on Maneuvering Characteristics and COLREGs. <i>Sensors</i> , 2022, 22, 2099.	3.8	15
3317	Queueing Network Controls via Deep Reinforcement Learning. <i>Stochastic Systems</i> , 2022, 12, 30-67.	1.1	11
3318	Trends and challenges in the circuit and macro of RRAM-based computing-in-memory systems. , 2022, 1, 100004.		12
3319	Exploring High Thermal Conductivity Amorphous Polymers Using Reinforcement Learning. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15587-15598.	8.0	21
3320	Machine Learning May Sometimes Simply Capture Literature Popularity Trends: A Case Study of Heterocyclic Suzuki–Miyaura Coupling. <i>Journal of the American Chemical Society</i> , 2022, 144, 4819-4827.	13.7	64
3321	Applications of Machine Learning to Wind Engineering. <i>Frontiers in Built Environment</i> , 2022, 8, .	2.3	22
3322	Research on Knowledge Graph Completion Model Combining Temporal Convolutional Network and Monte Carlo Tree Search. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-13.	1.1	1
3323	Expertise, playfulness and analogical reasoning: three strategies to train Artificial Intelligence for design applications. <i>Architecture, Structures and Construction</i> , 2022, 2, 111-127.	1.5	3
3324	Fully automatic segmentation of abdominal aortic thrombus in pre-operative CTA images using deep convolutional neural networks. <i>Technology and Health Care</i> , 2022, 30, 1257-1266.	1.2	3
3325	Quantum imaginary time evolution steered by reinforcement learning. <i>Communications Physics</i> , 2022, 5, .	5.3	12
3326	On games and simulators as a platform for development of artificial intelligence for command and control. <i>Journal of Defense Modeling and Simulation</i> , 2023, 20, 495-508.	1.7	6
3327	Deep Reinforcement Learning for UAV Intelligent Mission Planning. <i>Complexity</i> , 2022, 2022, 1-13.	1.6	7
3328	Research on UCAV Maneuvering Decision Method Based on Heuristic Reinforcement Learning. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-13.	1.7	7

#	ARTICLE	IF	CITATIONS
3329	Computational knowledge vision: paradigmatic knowledge based prescriptive learning and reasoning for perception and vision. Artificial Intelligence Review, 2022, 55, 5917-5952.	15.7	7
3330	L'œuvre scientifique de Jacques Pitrat (1934-2019) â€“ Une perspective historique. , 2022, 3, 69-80.		0
3331	Jacques Pitrat, l'Intelligence Artificielle et les Jeux. , 2022, 3, 113-126.		0
3332	Neural-Network-Based Suspension Kinematics and Compliance Characteristics and Its Implementation in Full Vehicle Dynamics Model. , 0, , .		1
3333	An automatic learning rate decay strategy for stochastic gradient descent optimization methods in neural networks. International Journal of Intelligent Systems, 2022, 37, 7334-7355.	5.7	6
3334	Machine learning the 2D percolation model. Journal of Physics: Conference Series, 2022, 2207, 012057.	0.4	0
3335	Reinforcement learning based edge computing in B5G. Digital Communications and Networks, 2022, , .	5.0	2
3336	Robot navigation in a crowd by integrating deep reinforcement learning and online planning. Applied Intelligence, 2022, 52, 15600-15616.	5.3	21
3337	Applicability of Artificial Intelligence (AI) Methods to Construction Manufacturing: A Literature Review. , 2022, , .		0
3338	Towards a cross-level understanding of Bayesian inference in the brain. Neuroscience and Biobehavioral Reviews, 2022, 137, 104649.	6.1	1
3339	The Cost of Reinforcement Learning for Game Engines. , 2022, , .		1
3340	Simple descriptor based machine learning model development for synergy prediction of different metal loadings and solvent swellings on coal pyrolysis. Chemical Engineering Science, 2022, 252, 117538.	3.8	7
3341	Newton's method for reinforcement learning and model predictive control. Results in Control and Optimization, 2022, 7, 100121.	2.3	2
3342	Knowledge-defined networking: Applications, challenges and future work. Array, 2022, 14, 100136.	4.0	7
3343	Extracting Lamb wave vibrating modes with convolutional neural network. Journal of the Acoustical Society of America, 2022, 151, 2290-2296.	1.1	2
3344	Machine Learning for the Orthopaedic Surgeon. Journal of Bone and Joint Surgery - Series A, 2022, 104, 1586-1594.	3.0	15
3345	Online Mixed-Integer Optimization in Milliseconds. INFORMS Journal on Computing, 2022, 34, 2229-2248.	1.7	20
3346	Signal Processing Using Dictionaries, Atoms, and Deep Learning: A Common Analysis-Synthesis Framework. Proceedings of the IEEE, 2022, 110, 454-475.	21.3	3

#	ARTICLE	IF	CITATIONS
3347	Provable training of a ReLU gate with an iterative non-gradient algorithm. Neural Networks, 2022, 151, 264-275.	5.9	4
3348	Sparse Black-Box Video Attack with Reinforcement Learning. International Journal of Computer Vision, 2022, 130, 1459-1473.	15.6	14
3349	Solving PBQP-Based Register Allocation using Deep Reinforcement Learning. , 2022, , .		4
3350	Hierarchical intrinsically motivated agent planning behavior with dreaming in grid environments. Brain Informatics, 2022, 9, 8.	3.0	8
3351	CntrlDA: A building energy management control system with real-time adjustments. Application to indoor temperature. Building and Environment, 2022, 215, 108938.	6.9	8
3352	Aerial combat maneuvering policy learning based on confrontation demonstrations and dynamic quality replay. Engineering Applications of Artificial Intelligence, 2022, 111, 104767.	8.1	8
3353	Learning-based airborne sensor task assignment in unknown dynamic environments. Engineering Applications of Artificial Intelligence, 2022, 111, 104747.	8.1	3
3354	A tutorial on optimal control and reinforcement learning methods for quantum technologies. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 434, 128054.	2.1	22
3355	A batch reinforcement learning approach to vacant taxi routing. Transportation Research Part C: Emerging Technologies, 2022, 139, 103640.	7.6	5
3356	What Can Knowledge Bring to Machine Learning?â€”A Survey of Low-shot Learning for Structured Data. ACM Transactions on Intelligent Systems and Technology, 2022, 13, 1-45.	4.5	5
3357	Adaptive evolution strategy with ensemble of mutations for Reinforcement Learning. Knowledge-Based Systems, 2022, 245, 108624.	7.1	11
3358	A survey of deep reinforcement learning application in 5G and beyond network slicing and virtualization. Array, 2022, 14, 100142.	4.0	20
3359	Exploration in neo-Hebbian reinforcement learning: Computational approaches to the explorationâ€”exploitation balance with bio-inspired neural networks. Neural Networks, 2022, 151, 16-33.	5.9	9
3360	Dynamic metasurface control using Deep Reinforcement Learning. Mathematics and Computers in Simulation, 2022, 197, 377-395.	4.4	1
3361	Application of advanced tree search and proximal policy optimization on formula-E race strategy development. Expert Systems With Applications, 2022, 197, 116718.	7.6	3
3362	Probabilistic deep learning model as a tool for supporting the fast simulation of a thermalâ€”hydraulic code. Expert Systems With Applications, 2022, 200, 116966.	7.6	7
3363	Evaluating the Impact of Fault-Tolerance Capability of Deep Neural Networks Caused by Faults. , 2021, , .		1
3364	Procedure Planning in Instructional Videos via Contextual Modeling and Model-based Policy Learning. , 2021, , .		14

#	ARTICLE	IF	CITATIONS
3365	LIRA: Learnable, Imperceptible and Robust Backdoor Attacks. , 2021, , .		45
3366	GridToPix: Training Embodied Agents with Minimal Supervision. , 2021, , .		4
3367	Accelerating Reinforcement Learning with Local Data Enhancement for Process Control. , 2021, , .		1
3368	Rules-PPO-QMIX: Multi-Agent Reinforcement Learning with Mixed Rules for Large Scene Tasks. , 2021, , .		0
3369	Distilling Holistic Knowledge with Graph Neural Networks. , 2021, , .		28
3370	Reinforcement Learning based Trajectory Planning for Autonomous Vehicles. , 2021, , .		0
3371	What to Blame? On the Granularity of Fault Localization for Deep Neural Networks. , 2021, , .		5
3372	Expert-guided Policy Optimization by Latent Space Planning with Attention. , 2021, , .		0
3373	Quantum Machine Learning for Finance ICCAD Special Session Paper. , 2021, , .		12
3374	Estimation Error Correction in Deep Reinforcement Learning for Deterministic Actor-Critic Methods. , 2021, , .		4
3375	Survival of the Fittest Amidst the Cambrian Explosion of Processor Architectures for Artificial Intelligence : Invited Paper. , 2021, , .		1
3376	Optimizing High- Throughput Capabilities by Leveraging Reinforcement Learning Methods with the Bluesky Suite. , 2021, , .		1
3377	Learning Heterogeneous Strategies via Graph-based Multi-agent Reinforcement Learning. , 2021, , .		1
3378	â„‘ ₁ â€” â„‘ _{â„‘} Adaptive Controller Design for Wrist Rehabilitation Robot. , 2021, , .		3
3379	Emotions as Abstract Evaluation Criteria in Biological and Artificial Intelligences. Frontiers in Computational Neuroscience, 2021, 15, 726247.	2.1	0
3380	FORK: A FORward-looking Actor for Model-Free Reinforcement Learning. , 2021, , .		0
3381	Artificial Intelligence and Machine Learning in Sport Research: An Introduction for Non-data Scientists. Frontiers in Sports and Active Living, 2021, 3, 682287.	1.8	16
3382	Deepfake detection by human crowds, machines, and machine-informed crowds. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	53

#	ARTICLE	IF	CITATIONS
3383	Dis-Cover AI Minds to Preserve Human Knowledge. Future Internet, 2022, 14, 10.	3.8	15
3384	BrainFreeze: Expanding the Capabilities of Neuromorphic Systems Using Mixed-Signal Superconducting Electronics. Frontiers in Neuroscience, 2021, 15, 750748.	2.8	3
3385	Fabricatio-RL: A Reinforcement Learning Simulation Framework For Production Scheduling. , 2021, , .		3
3386	Parallel Actors and Learners: A Framework for Generating Scalable RL Implementations. , 2021, , .		2
3387	AlphaRA: An AlphaZero based approach to Redundancy Analysis. , 2021, , .		2
3388	Towards Real-World Deployment of Reinforcement Learning for Traffic Signal Control. , 2021, , .		6
3389	The Battle Within and the Battle Without: The Posthuman Worldview of Ken MacLeodâ€™s <i>The Corporation Wars</i> Trilogy. American, British and Canadian Studies, 2021, 37, 85-104.	0.0	0
3390	A randomized block policy gradient algorithm with differential privacy in Content Centric Networks. International Journal of Distributed Sensor Networks, 2021, 17, 155014772110599.	2.2	1
3391	Decentralized Multiagent Actor-Critic Algorithm Based on Message Diffusion. Journal of Sensors, 2021, 2021, 1-14.	1.1	1
3392	Combining Utility AI and MCTS Towards Creating Intelligent Agents in Video Games, with the Use Case of Tactical Troops: Anthracite Shift. , 2021, , .		7
3393	Adversarial Deep Learning for Online Resource Allocation. ACM Transactions on Modeling and Performance Evaluation of Computing Systems, 2021, 6, 1-25.	0.9	3
3394	Development of Detection and Volumetric Methods for the Triceps of the Lower Leg Using Magnetic Resonance Images with Deep Learning. Applied Sciences (Switzerland), 2021, 11, 12006.	2.5	6
3395	Learning practically feasible policies for online 3D bin packing. Science China Information Sciences, 2022, 65, 1.	4.3	44
3396	A Review on Deep Reinforcement Learning for the management of SDN and NFV in Edge-IoT. , 2021, , .		5
3397	Research on the Strategy of Bidding in the Game of Dou dizhu. , 2021, , .		0
3398	Leveraging Game AI to Transform Integrated Brownfield Well Planning. , 2021, , .		0
3399	Feature Selection using Particle Swarm Optimization and Random Forest for Hepatocellular Carcinoma (HCC) Classification. , 2021, , .		1
3400	The Important Role of Global State for Multi-Agent Reinforcement Learning. Future Internet, 2022, 14, 17.	3.8	0

#	ARTICLE	IF	CITATIONS
3401	Building Action Sets in a Deep Reinforcement Learner. , 2021, , .		0
3402	Optimizing thermodynamic trajectories using evolutionary and gradient-based reinforcement learning. Physical Review E, 2021, 104, 064128.	2.1	4
3403	New Ideas of Building Energy Saving in the Era of Big Data. , 2021, , .		0
3404	Graph Neural Network Based Behavior Prediction to Support Multi-Agent Reinforcement Learning in Military Training Simulations. , 2021, , .		1
3405	Model-Based Actor-Critic with Chance Constraint for Stochastic System. , 2021, , .		5
3406	Concurrent Order Dispatch for Instant Delivery with Time-Constrained Actor-Critic Reinforcement Learning. , 2021, , .		11
3407	Benchmarking Human Performance for Visual Search of Aerial Images. Frontiers in Psychology, 2021, 12, 733021.	2.1	0
3408	BreastGAN: Artificial Intelligence-Enabled Breast Augmentation Simulation. Aesthetic Surgery Journal Open Forum, 2022, 4, ojab052.	1.0	12
3409	Proximal Policy Optimization with Continuous Bounded Action Space via the Beta Distribution. , 2021, , .		3
3410	Data-driven Rollout for Deterministic Optimal Control. , 2021, , .		1
3411	An Intelligent and Secure Control Approach for Nonlinear Systems under Attacks. , 2021, , .		0
3412	Model-Assisted Reinforcement Learning with Adaptive Ensemble Value Expansion. , 2021, , .		0
3413	Energy management strategy for hybrid electric vehicle integrated with waste heat recovery system based on deep reinforcement learning. Science China Technological Sciences, 2022, 65, 713-725.	4.0	14
3414	Monte Carlo Tree Search for Network Planning for Next Generation Mobile Communication Networks. , 2021, , .		3
3415	A multibranch, multitarget neural network for rapid point-source inversion in a microseismic environment: examples from the Hengill Geothermal Field, Iceland. Geophysical Journal International, 2022, 229, 999-1016.	2.4	8
3416	The History and Practice of AI in the Environmental Sciences. Bulletin of the American Meteorological Society, 2022, 103, E1351-E1370.	3.3	9
3417	Dynamic attention network for multi-UAV reinforcement learning. , 2021, , .		0
3418	InferNet for Delayed Reinforcement Tasks: Addressing the Temporal Credit Assignment Problem. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
3419	Path planning to expedite the complete transfer of distributed gravel piles with an automated wheel loader. <i>Advanced Robotics</i> , 2021, 35, 1418-1437.	1.8	7
3420	Modeling of Gate Tunable Synaptic Device for Neuromorphic Applications. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	2
3421	Deep learning Achievements and Opportunities in Domain of Electronic Warfare Applications. , 2021, , .		0
3422	On Meeting a Maximum Delay Constraint. , 2021, , .		1
3423	Packet Routing with Graph Attention Multi-Agent Reinforcement Learning. , 2021, , .		6
3424	Embracing Complexity: Agent-Based Modeling for HetNets Design and Optimization via Concurrent Reinforcement Learning Algorithms. <i>IEEE Transactions on Network and Service Management</i> , 2021, 18, 4042-4062.	4.9	7
3425	Maximum Entropy Reinforcement Learning in Two-Player Perfect Information Games. , 2021, , .		0
3426	Quantum deep reinforcement learning for clinical decision support in oncology: application to adaptive radiotherapy. <i>Scientific Reports</i> , 2021, 11, 23545.	3.3	13
3427	Machine Learning for Efficient Water Infrastructure Management. , 2022, , 37-61.		1
3428	Analyzing Approximate Value Iteration Algorithms. <i>Mathematics of Operations Research</i> , 2022, 47, 2138-2159.	1.3	3
3429	LAGA: Lagged AllReduce with Gradient Accumulation for Minimal Idle Time. , 2021, , .		1
3430	Multi-task Transfer with Practice. , 2021, , .		0
3431	Deep Reinforcement Learning Based Load Control Strategy for Combined Heat and Power Units. , 2021, , .		1
3432	A Data-Efficient Reinforcement Learning Method Based on Local Koopman Operators. , 2021, , .		3
3433	On Quantifying and Understanding the Role of Ethics in AI Research: A Historical Account of Flagship Conferences and Journals. , 0, , .		3
3434	The repression of mÃtis within digital organizations. <i>Prometheus</i> , 2020, 36, .	0.4	1
3435	Developing an Adaptive AI Agent using Supervised and Reinforcement Learning with Monte Carlo Tree Search in FightingICE. , 2021, , .		0
3436	Notes on the Architecture, League Training and PFSP in AlphaStar. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
3437	RTS Game AI Robots Winner Prediction Based on Replay Data by using Deep Learning. , 2021, , .		0
3439	Reward Design for Intelligent Intersection Control to Reduce Emission. IEEE Access, 2022, 10, 39691-39699.	4.2	5
3440	Safety Assured Online Guidance With Airborne Separation for Urban Air Mobility Operations in Uncertain Environments. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19413-19427.	8.0	8
3441	Challenging Artificial Intelligence With Multiopponent and Multimovement Prediction for the Card Game Big2. IEEE Access, 2022, 10, 40661-40676.	4.2	1
3442	Artificial intelligence in food science and nutrition: a narrative review. Nutrition Reviews, 2022, 80, 2288-2300.	5.8	22
3444	Soft Actor-Critic Deep Reinforcement Learning with Hybrid Mixed-Integer Actions for Demand Responsive Scheduling of Energy Systems. Industrial & Engineering Chemistry Research, 2022, 61, 8443-8461.	3.7	8
3445	Development of a Simulator for Prototyping Reinforcement Learning-Based Autonomous Cars. Informatics, 2022, 9, 33.	3.9	0
3446	On deep learning-based bias correction and downscaling of multiple climate models simulations. Climate Dynamics, 2022, 59, 3451-3468.	3.8	23
3447	Chess AI: Competing Paradigms for Machine Intelligence. Entropy, 2022, 24, 550.	2.2	12
3448	How to compete with robots by assessing job automation risks and resilient alternatives. Science Robotics, 2022, 7, eabg5561.	17.6	10
3449	Deep learning, reinforcement learning, and world models. Neural Networks, 2022, 152, 267-275.	5.9	110
3450	A visual deep learning model to predict abnormal versus normal parathyroid glands using intraoperative autofluorescence signals. Journal of Surgical Oncology, 2022, 126, 263-267.	1.7	9
3451	Predicting extreme events from data using deep machine learning: When and where. Physical Review Research, 2022, 4, .	3.6	7
3452	Detection and Classification of Colorectal Polyp Using Deep Learning. BioMed Research International, 2022, 2022, 1-9.	1.9	17
3453	Scrutinizing XAI using linear ground-truth data with suppressor variables. Machine Learning, 2022, 111, 1903-1923.	5.4	5
3454	Research and Challenges of Reinforcement Learning in Cyber Defense Decision-Making for Intranet Security. Algorithms, 2022, 15, 134.	2.1	2
3455	Dynamic modulation of inequality aversion in human interpersonal negotiations. Communications Biology, 2022, 5, 359.	4.4	1
3456	Learning Feedback Control Strategies for Quantum Metrology. PRX Quantum, 2022, 3, .	9.2	19

#	ARTICLE	IF	CITATIONS
3457	A Reinforcement Learning Agent for Obstacle-Avoiding Rectilinear Steiner Tree Construction. , 2022, , .		2
3458	Backpropagation With Sparsity Regularization for Spiking Neural Network Learning. Frontiers in Neuroscience, 2022, 16, 760298.	2.8	10
3459	A deep reinforcement learning-based approach for pricing in the competing auction-based cloud market. Service Oriented Computing and Applications, 2022, 16, 83-95.	1.6	2
3460	Theoretical modeling of dendrite growth from conductive wire electro-polymerization. Scientific Reports, 2022, 12, 6395.	3.3	1
3461	A MADDPG-based multi-agent antagonistic algorithm for sea battlefield confrontation. Multimedia Systems, 2023, 29, 2991-3000.	4.7	1
3462	Deep reinforcement learning and reward shaping based eco-driving control for automated HEVs among signalized intersections. Energy, 2022, 251, 123924.	8.8	26
3463	Trends, Topics, Leaders, Influential Studies, and Future Challenges of Machine Learning Studies in the Rail Industry. Journal of Infrastructure Systems, 2022, 28, .	1.8	2
3464	Online PV Smart Inverter Coordination using Deep Deterministic Policy Gradient. Electric Power Systems Research, 2022, 209, 107988.	3.6	8
3465	Robot learning towards smart robotic manufacturing: A review. Robotics and Computer-Integrated Manufacturing, 2022, 77, 102360.	9.9	52
3466	Towards learning trustworthily, automatically, and with guarantees on graphs: An overview. Neurocomputing, 2022, 493, 217-243.	5.9	11
3467	The best of both worlds: Dual systems of reasoning in animals and AI. Cognition, 2022, 225, 105118.	2.2	6
3470	Tactic Learning and Proving for the Coq Proof Assistant. , 0, , .		3
3479	Machine Learning Applications for Chemical Reactions. Chemistry - an Asian Journal, 2022, 17, .	3.3	13
3480	Instance Weighted Incremental Evolution Strategies for Reinforcement Learning in Dynamic Environments. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9742-9756.	11.3	5
3481	Fully Decentralized Multiagent Communication via Causal Inference. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10193-10202.	11.3	1
3482	Partial Consistency for Stabilizing Undiscounted Reinforcement Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 10359-10373.	11.3	0
3483	Deep Reinforcement Learning based Super Twisting Controller for Liquid Slosh Control Problem. IFAC-PapersOnLine, 2022, 55, 734-739.	0.9	3
3484	Landing AI on Networks: An equipment vendor viewpoint on Autonomous Driving Networks. IEEE Transactions on Network and Service Management, 2022, , 1-1.	4.9	2

#	ARTICLE	IF	CITATIONS
3485	Consciousness matters: phenomenal experience has functional value. Neuroscience of Consciousness, 2022, 2022, niac007.	2.6	16
3486	Explainable Artificial Intelligence in Genomic Sequence for Healthcare Systems Prediction. Studies in Computational Intelligence, 2022, , 417-437.	0.9	4
3487	Artificial intelligence: a way forward for agricultural sciences. , 2022, , 641-668.		2
3488	Controllable Swarm Animation Using Deep Reinforcement Learning With a Rule-Based Action Generator. IEEE Access, 2022, 10, 48472-48485.	4.2	0
3489	Off-Policy Meta-Reinforcement Learning With Belief-Based Task Inference. IEEE Access, 2022, 10, 49494-49507.	4.2	4
3490	Finite-Time Analysis of Markov Gradient Descent. IEEE Transactions on Automatic Control, 2023, 68, 2140-2153.	5.7	2
3491	Visual Explanation on Deep Reinforcement Learning. Journal of the Robotics Society of Japan, 2022, 40, 212-217.	0.1	0
3492	Reinforcement Learning-based Scheduling of a Job-Shop Process with Distributedly Controlled Robotic Manipulators for Transport Operations. IFAC-PapersOnLine, 2022, 55, 156-162.	0.9	1
3495	SemCKD: Semantic Calibration for Cross-Layer Knowledge Distillation. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	4
3496	Inverted Pendulum Control using Twin Delayed Deep Deterministic Policy Gradient with a Novel Reward Function. , 2022, , .		2
3497	Efficient dendritic learning as an alternative to synaptic plasticity hypothesis. Scientific Reports, 2022, 12, 6571.	3.3	20
3498	Environment Representations of Railway Infrastructure for Reinforcement Learning-Based Traffic Control. Applied Sciences (Switzerland), 2022, 12, 4465.	2.5	2
3499	A computational theory of the subjective experience of flow. Nature Communications, 2022, 13, 2252.	12.8	11
3500	Specialty Grand Challenge: What it Will Take to Cross the Valley of Death: Translational Systems Biology, "Precision Medicine, Medical Digital Twins, Artificial Intelligence and In Silico Clinical Trials. Frontiers in Systems Biology, 2022, 2, .	0.7	5
3501	Stress-strain curve determined from a non-uniformly deformed specimen: An application of autonomous finite element analysis. Journal of Micromechanics and Molecular Physics, 2022, 07, 81-101.	1.2	1
3502	The application of reinforcement learning to NATM tunnel design. Underground Space (China), 2022, 7, 990-1002.	7.5	9
3503	Predictive Coding Approximates Backprop Along Arbitrary Computation Graphs. Neural Computation, 2022, 34, 1329-1368.	2.2	23
3504	Outsmarting Human Design in Airline Revenue Management. Algorithms, 2022, 15, 142.	2.1	2

#	ARTICLE	IF	CITATIONS
3505	An Uncertain Optimization Method Based on Adaptive Discrete Approximation Rejection Sampling for Stochastic Programming with Incomplete Knowledge of Uncertainty. Arabian Journal for Science and Engineering, 0, , .	3.0	1
3506	An exploration of data-driven microscopic simulation for traffic system and case study of freeway. Transportmetrica B, 0, , 1-24.	2.3	1
3507	Federated Reinforcement Learning-Based UAV Swarm System for Aerial Remote Sensing. Wireless Communications and Mobile Computing, 2022, 2022, 1-15.	1.2	6
3508	Induced Pluripotent Stem Cell-Based Drug Screening by Use of Artificial Intelligence. Pharmaceuticals, 2022, 15, 562.	3.8	10
3509	Examining AI Methods for Micro-Coaching Dialogs. , 2022, , .		2
3510	DynSNN: A Dynamic Approach to Reduce Redundancy in Spiking Neural Networks. , 2022, , .		4
3511	Evolution of Brains and Computers: The Roads Not Taken. Entropy, 2022, 24, 665.	2.2	4
3512	Adaptive random quantum eigensolver. Physical Review A, 2022, 105, .	2.5	0
3513	Efficient and Stable Information Directed Exploration for Continuous Reinforcement Learning. , 2022, , .		4
3514	Competitive Multi-Agent Reinforcement Learning with Self-Supervised Representation. , 2022, , .		0
3515	AlphaTruss: Monte Carlo Tree Search for Optimal Truss Layout Design. Buildings, 2022, 12, 641.	3.1	9
3516	How AI affects the future relationship between corporate governance and financial markets: a note on impact capitalism. Managerial Finance, 2022, 48, 1240-1249.	1.2	6
3517	The AI Economist: Taxation policy design via two-level deep multiagent reinforcement learning. Science Advances, 2022, 8, eabk2607.	10.3	19
3518	Analog synaptic devices applied to spiking neural networks for reinforcement learning applications. Semiconductor Science and Technology, 2022, 37, 075002.	2.0	1
3519	Cooperative task assignment in spatial crowdsourcing via multi-agent deep reinforcement learning. Journal of Systems Architecture, 2022, 128, 102551.	4.3	10
3520	A deep neural network-based model predicting peritumoral edema after radiosurgery for meningioma. World Neurosurgery, 2022, , .	1.3	1
3521	Cooperative and Competitive Multi-Agent Systems: From Optimization to Games. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 763-783.	13.1	40
3522	Confidence-Aware Multi-Teacher Knowledge Distillation. , 2022, , .		20

#	ARTICLE	IF	CITATIONS
3523	Wind farm control technologies: from classical control to reinforcement learning. Progress in Energy, 2022, 4, 032006.	10.9	20
3524	Pruning Stochastic Game Trees Using Neural Networks for Reduced Action Space Approximation. Mathematics, 2022, 10, 1509.	2.2	0
3525	Ancillary mechanism for autonomous decision-making process in asymmetric confrontation: a view from Gomoku. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 1141-1159.	2.8	1
3526	Incremental learning of phase transition in Ising model: Preprocessing, finite-size scaling and critical exponents. Physica A: Statistical Mechanics and Its Applications, 2022, 600, 127538.	2.6	2
3527	“Deep reinforcement learning for engineering design through topology optimization of elementally discretized design domains” Materials and Design, 2022, 218, 110672.	7.0	17
3528	Multi-modal spatio-temporal meteorological forecasting with deep neural network. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 188, 380-393.	11.1	9
3529	CORK: A privacy-preserving and lossless federated learning scheme for deep neural network. Information Sciences, 2022, 603, 190-209.	6.9	14
3530	An integrated framework based on deep learning algorithm for optimizing thermochemical production in heavy oil reservoirs. Energy, 2022, 253, 124140.	8.8	7
3531	Perspective view of autonomous control in unknown environment: Dual control for exploitation and exploration vs reinforcement learning. Neurocomputing, 2022, 497, 50-63.	5.9	6
3533	FinRL-podracers. , 2021, , .		9
3534	Deep Reinforcement Agent for Failure-aware Job scheduling in High-Performance Computing. , 2021, , .		4
3535	YAPAY ZEKÂ, TABANLI SÂ°STEMLERDEN Â°RETÂ°LEN TEKNOLOJÂ°LERÂ°N ASKERÂ° HAREKÂ°,TIN SEVK VE Â°DARESÂ°NDE KULLANILMASINA YÂ°NELÂ°K BÂ°R DEÂ°ZERLENDÂ°RME. NevÂ°Yehir HacÂ° BektaÂ° Veli Â°eniversitesi SBE Dergisi, 2021, 11,1 2159-2174.		
3536	Learning Outside the Brain: Integrating Cognitive Science and Systems Biology. Proceedings of the IEEE, 2022, 110, 590-612.	21.3	7
3537	Photonic spiking neural networks with event-driven femtojoule optoelectronic neurons based on Izhikevich-inspired model. Optics Express, 2022, 30, 19360.	3.4	16
3539	Understanding the evolution of a de novo molecule generator via characteristic functional group monitoring. Science and Technology of Advanced Materials, 2022, 23, 352-360.	6.1	5
3540	Reinforcement learning in queues. Queueing Systems, 2022, 100, 497-499.	0.9	2
3541	Quantum Continual Learning Overcoming Catastrophic Forgetting. Chinese Physics Letters, 2022, 39, 050303.	3.3	3
3542	Few-Shot Building Footprint Shape Classification with Relation Network. ISPRS International Journal of Geo-Information, 2022, 11, 311.	2.9	11

#	ARTICLE	IF	CITATIONS
3545	Learning From Oracle Demonstrationsâ€”A New Approach to Develop Autonomous Intersection Management Control Algorithms Based on Multiagent Deep Reinforcement Learning. IEEE Access, 2022, 10, 53601-53613.	4.2	6
3546	Use of Artificial Intelligence in Clinical Neurology. Seminars in Neurology, 2022, 42, 039-047.	1.4	3
3547	TNPU: Supporting Trusted Execution with Tree-less Integrity Protection for Neural Processing Unit. , 2022, , .		8
3548	Soft mode in the dynamics of over-realizable online learning for soft committee machines. Physical Review E, 2022, 105, .	2.1	0
3549	A survey on deep learning for cybersecurity: Progress, challenges, and opportunities. Computer Networks, 2022, 212, 109032.	5.1	35
3550	Gambits: Theory and evidence. Applied Stochastic Models in Business and Industry, 0, , .	1.5	0
3551	Polymer synaptic transistors from memory to neuromorphic computing. Materials Chemistry and Physics, 2022, 287, 126263.	4.0	7
3552	Maximum Independent Sets and Supervised Learning. Journal of the Operations Research Society of China, 0, , .	1.4	0
3553	Artificial Intelligence in Pharmacovigilance: An Introduction to Terms, Concepts, Applications, and Limitations. Drug Safety, 2022, 45, 407-418.	3.2	17
3554	Domain Knowledge-Based Evolutionary Reinforcement Learning for Sensor Placement. Sensors, 2022, 22, 3799.	3.8	1
3555	Mixedâ€”Precision Continual Learning Based on Computational Resistance Random Access Memory. Advanced Intelligent Systems, 2022, 4, .	6.1	4
3556	Noise resilient leaky integrate-and-fire neurons based on multi-domain spintronic devices. Scientific Reports, 2022, 12, 8361.	3.3	8
3557	Deep learning-based prediction of heart failure rehospitalization during 6, 12, 24-month follow-ups in patients with acute myocardial infarction. Health Informatics Journal, 2022, 28, 146045822211015.	2.1	3
3558	On-the-Fly Model Checking withâ€”Neural MCTS. Lecture Notes in Computer Science, 2022, , 557-575.	1.3	1
3559	Uncertainty-Aware Portfolio Management With Risk-Sensitive Multiagent Network. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 362-375.	11.3	1
3560	A Swapping Target Q-Value Technique for Data Augmentation in Offline Reinforcement Learning. IEEE Access, 2022, 10, 57369-57382.	4.2	1
3561	Data-Based Feedback Relearning Control for Uncertain Nonlinear Systems With Actuator Faults. IEEE Transactions on Cybernetics, 2023, 53, 4361-4374.	9.5	7
3562	DNN Diagnosis and Cure Based on Aggregated Concentration Ratio and Residual Connection. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3563	Prediction of Retinopathy in Diabetic Affected Persons using Deep Learning algorithms. , 2022, , .		1
3564	Hybrid social learning in human-algorithm cultural transmission. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2022, 380, .	3.4	8
3565	Automatic Analysis of Available Source Code of Top Artificial Intelligence Conference Papers. International Journal of Software Engineering and Knowledge Engineering, 2022, 32, 947-970.	0.8	2
3566	Prospects for multi-agent collaboration and gaming: challenge, technology, and application. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1002-1009.	2.6	6
3567	How to Make AlphaGo™s Children Explainable. Philosophies, 2022, 7, 55.	0.7	1
3568	A Comparison of an Adaptive Self-Guarded Honeypot with Conventional Honeypots. Applied Sciences (Switzerland), 2022, 12, 5224.	2.5	2
3569	Organizational Geosocial Network: A Graph Machine Learning Approach Integrating Geographic and Public Policy Information for Studying the Development of Social Organizations in China. ISPRS International Journal of Geo-Information, 2022, 11, 318.	2.9	5
3570	Threat Matrix: A Fast Algorithm for Humanâ€Machine Chinese Ludo Gaming. Electronics (Switzerland), 2022, 11, 1699.	3.1	1
3571	On the Controllability of Artificial Intelligence: An Analysis of Limitations. Journal of Cyber Security and Mobility, 0, , .	0.7	3
3572	Approaches to Parameter Estimation from Model Neurons and Biological Neurons. Algorithms, 2022, 15, 168.	2.1	0
3573	A dynamic penalty approach to state constraint handling in deep reinforcement learning. Journal of Process Control, 2022, 115, 157-166.	3.3	2
3574	An Assessment of Multistage Reward Function Design for Deep Reinforcement Learning-Based Microgrid Energy Management. IEEE Transactions on Smart Grid, 2022, 13, 4300-4311.	9.0	10
3575	Edge-Cloud Polarization and Collaboration: A Comprehensive Survey for AI. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-1.	5.7	12
3576	Trust and Trustworthiness: Experiments with Artificial Intelligence (AI) Agents. SSRN Electronic Journal, 0, , .	0.4	0
3577	Autonomous robotic additive manufacturing through distributed modelâ€free deep reinforcement learning in computational design environments. Construction Robotics, 2022, 6, 15-37.	2.2	6
3578	Microscopic investigation on blending of montmorillonite modified bitumen and reclaimed asphalt binder. Materials Research Express, 2022, 9, 065304.	1.6	2
3579	Beyond backpropagate through time: Efficient modelâ€based training through timeâ€splitting. International Journal of Intelligent Systems, 0, , .	5.7	0
3580	Artificial intelligence in modern dentistry. International Journal of Health Sciences, 0, , 8086-8098.	0.1	0

#	ARTICLE	IF	CITATIONS
3582	Ion-Movement-Based Synaptic Device for Brain-Inspired Computing. Nanomaterials, 2022, 12, 1728.	4.1	4
3583	Physical Compact Model for Threeâ€¢Terminal SONOS Synaptic Circuit Element. Advanced Intelligent Systems, 2022, 4, .	6.1	2
3584	Breakthrough invention and problem complexity: Evidence from a q<scp>uasiâ€¢experiment</scp>. Strategic Management Journal, 2022, 43, 2510-2544.	7.3	2
3585	Correlated Read Noise Reduction in Infrared Arrays Using Deep Learning. Astronomical Journal, 2022, 163, 292.	4.7	3
3586	Optimal Policy of Multiplayer Poker via Actor-Critic Reinforcement Learning. Entropy, 2022, 24, 774.	2.2	3
3587	Near-optimal interception strategy for orbital pursuit-evasion using deep reinforcement learning. Acta Astronautica, 2022, 198, 9-25.	3.2	9
3588	Fake license plate recognition in surveillance videos. Signal, Image and Video Processing, 2023, 17, 937-945.	2.7	3
3589	Multi-AGV Task Allocation with Attention Based on Deep Reinforcement Learning. International Journal of Pattern Recognition and Artificial Intelligence, 2022, 36, .	1.2	6
3590	Do submarines swim? Methodological dualism and anthropomorphizing AlphaGo. AI and Society, 0, , .	4.6	1
3591	CXAI: Explaining Convolutional Neural Networks for Medical Imaging Diagnostic. Electronics (Switzerland), 2022, 11, 1775.	3.1	8
3592	Survey on reinforcement learning for language processing. Artificial Intelligence Review, 2023, 56, 1543-1575.	15.7	28
3593	Reinforcement Learning Model With Dynamic State Space Tested on Target Search Tasks for Monkeys: Extension to Learning Task Events. Frontiers in Computational Neuroscience, 0, 16, .	2.1	0
3594	Deep Genetic Programming Trees Are Robust. ACM Transactions on Evolutionary Learning, 2022, 2, 1-34.	3.5	0
3595	Software-hardware co-design for fast and scalable training of deep learning recommendation models. , 2022, , .		28
3596	Social impact and governance of AI and neurotechnologies. Neural Networks, 2022, 152, 542-554.	5.9	12
3599	Improving the winning percentage of the Werewolf team through collusion strategies. , 2021, , .		0
3600	Application of Deep Reinforcement Learning in Optimization of Traffic Signal Control. , 2021, , .		2
3601	Massively Digitized Power Grid: Opportunities and Challenges of Use-Inspired AI. Proceedings of the IEEE, 2023, 111, 762-787.	21.3	4

#	ARTICLE	IF	CITATIONS
3602	Implementation of Artificial intelligence for maintenance operation in the rail industry. Procedia CIRP, 2022, 109, 449-453.	1.9	5
3603	Empirical Policy Optimization for n -Player Markov Games. IEEE Transactions on Cybernetics, 2023, 53, 6443-6455.	9.5	5
3604	Performance Evaluation of AI-Based Safety Driving Support System for Detecting Distracted Driving. Lecture Notes in Networks and Systems, 2022, , 10-17.	0.7	3
3606	M-A3C: A Mean-Asynchronous Advantage Actor-Critic Reinforcement Learning Method for Real-Time Gait Planning of Biped Robot. IEEE Access, 2022, 10, 76523-76536.	4.2	6
3607	Qualitative Evaluation of an Artificial Intelligence-Based Clinical Decision Support System to Guide Rhythm Management of Atrial Fibrillation: Survey Study. JMIR Formative Research, 2022, 6, e36443.	1.4	1
3608	A Spiking Neural Network accelerator architecture design based on RRAM. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.5	1
3610	Gradient Descent for Deep Matrix Factorization: Dynamics and Implicit Bias Towards Low Rank. SSRN Electronic Journal, 0, , .	0.4	1
3613	Model-Based Reinforcement Learning. , 2022, , 135-167.		1
3614	Bridging Offline Reinforcement Learning and Imitation Learning: A Tale of Pessimism. IEEE Transactions on Information Theory, 2022, 68, 8156-8196.	2.4	6
3616	Network Abnormality Location Algorithm Based on Greedy Monte Carlo Tree. , 2022, , .		0
3617	Centralized and Accelerated Multiagent Reinforcement Learning Method with Automatic Reward Setting. Transactions of the Institute of Systems Control and Information Engineers, 2022, 35, 39-47.	0.1	0
3618	Automation of Intent-based Service Operation with Models and AI/ML. , 2022, , .		1
3619	A Working Theory of a Learned Model in a Partially Observable Environment for Cognitive Decision-Making. , 2022, , .		0
3620	In-process quality improvement: Concepts, methodologies, and applications. IJSE Transactions, 2023, 55, 2-21.	2.4	15
3621	Runtime Assurance for Intelligent Cyber-Physical Systems. , 2022, , .		0
3622	Aol-minimal UAV Crowdsensing by Model-based Graph Convolutional Reinforcement Learning. , 2022, , .		18
3623	Toward Physics-Guided Safe Deep Reinforcement Learning for Green Data Center Cooling Control. , 2022, , .		5
3624	Minimizing the Cost of Spatiotemporal Searches Based on Reinforcement Learning with Probabilistic States. Wireless Communications and Mobile Computing, 2022, 2022, 1-14.	1.2	0

#	ARTICLE	IF	CITATIONS
3625	Sharing Rewards Undermines Coordinated Hunting. Journal of Computational Biology, 2022, 29, 1022-1030.	1.6	4
3626	Deep imagination is a close to optimal policy for planning in large decision trees under limited resources. Scientific Reports, 2022, 12, .	3.3	2
3627	Artificial Intelligence Governance For Businesses. Information Systems Management, 2023, 40, 229-249.	5.7	20
3629	What Can Game Theory Tell Us about an AI "Theory of Mind"? Games, 2022, 13, 46.	0.6	3
3630	Artificial Intelligence in Meta-optics. Chemical Reviews, 2022, 122, 15356-15413.	47.7	64
3631	Artificial Intelligence for Sustainable Complex Socio-Technical-Economic Ecosystems. Computation, 2022, 10, 95.	2.0	4
3632	A Software Ecosystem for Deploying Deep Learning in Gravitational Wave Physics. , 2022, , .		1
3633	Comparing artificial intelligence and human coaching goal attainment efficacy. PLoS ONE, 2022, 17, e0270255.	2.5	16
3634	Captcha me if you can: Imitation Games with Reinforcement Learning. , 2022, , .		1
3635	A DRL based cooperative approach for parking space allocation in an automated valet parking system. Applied Intelligence, 0, , .	5.3	2
3636	Self-Replication in Neural Networks. Artificial Life, 2022, 28, 205-223.	1.3	1
3637	Nim variants. ICGA Journal, 2022, , 1-16.	0.3	0
3638	Instructive artificial intelligence (AI) for human training, assistance, and explainability. , 2022, , .		0
3639	Online Detection of Fabric Defects Based on Improved CenterNet with Deformable Convolution. Sensors, 2022, 22, 4718.	3.8	6
3640	Metabolic detection of malignant brain gliomas through plasma lipidomic analysis and support vector machine-based machine learning. EBioMedicine, 2022, 81, 104097.	6.1	12
3641	Convolutional neural network based simulation and analysis for backward stochastic partial differential equations. Computers and Mathematics With Applications, 2022, 119, 21-58.	2.7	2
3642	Regulating Artificial General Intelligence (AGI). Information Technology & Law Series, 2022, , 521-540.	1.2	4
3643	Multiagent Reinforcement Learning for Strategic Decision Making and Control in Robotic Soccer Through Self-Play. IEEE Access, 2022, 10, 72628-72642.	4.2	5

#	ARTICLE	IF	CITATIONS
3644	Social Preferences Towards Machines and Humans. SSRN Electronic Journal, 0, , .	0.4	4
3645	Towards Tackling QSAT Problems with Deep Learning and Monte Carlo Tree Search. Lecture Notes in Networks and Systems, 2022, , 45-58.	0.7	1
3646	Optimization for Interval Type-2 Polynomial Fuzzy Systems: A Deep Reinforcement Learning Approach. IEEE Transactions on Artificial Intelligence, 2023, 4, 1269-1280.	4.7	3
3648	FCE: Feedback Based Counterfactual Explanations for Explainable AI. IEEE Access, 2022, 10, 72363-72372.	4.2	8
3649	Reinforcement Learning Enabled Autonomous Manufacturing Using Transfer Learning and Probabilistic Reward Modeling. , 2023, 7, 508-513.		3
3650	Photonic decision making for solving competitive multi-armed bandit problem using semiconductor laser networks. Nonlinear Theory and Its Applications IEICE, 2022, 13, 582-597.	0.6	2
3651	District-Coupled Epidemic Control via Deep Reinforcement Learning. Lecture Notes in Computer Science, 2022, , 417-428.	1.3	1
3652	Auto Labeling Methods Developed Through Semi-Weakly Supervised Learning in Prognostics and Health Management Applications for Rolling Ball Bearing. IEEE Sensors Journal, 2022, 22, 16223-16233.	4.7	5
3653	Cognition-Driven Multiagent Policy Learning Framework for Promoting Cooperation. IEEE Transactions on Games, 2023, 15, 388-398.	1.4	1
3656	Adaptive Stochastic ADMM for Decentralized Reinforcement Learning in Edge IoT. IEEE Internet of Things Journal, 2022, 9, 22958-22971.	8.7	2
3658	Analysis of Intelligent Approaches for Discovery and Management of Knowledge: A Review. SSRN Electronic Journal, 0, , .	0.4	0
3659	Analysis of Intelligent Approaches for Discovery and Management of Knowledge: A Review. SSRN Electronic Journal, 0, , .	0.4	0
3660	Self-directed machine learning. AI Open, 2022, 3, 58-70.	14.6	1
3661	Solving Virtual Network Mapping Fast by Combining Neural Network and MCTS. , 2022, , .		1
3662	Machine Learning for Antimicrobial Resistance Research and Drug Development. , 0, , .		3
3663	Deep Reinforcement Learning Approach for Emergency Response Management. , 2022, , .		0
3664	Off Environment Evaluation Using Convex Risk Minimization. , 2022, , .		0
3665	Exploiting Abstract Symmetries in Reinforcement Learning for Complex Environments. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
3666	Integrating Deep Reinforcement and Supervised Learning to Expedite Indoor Mapping. , 2022, , .		1
3667	Adaptive Informative Path Planning Using Deep Reinforcement Learning for UAV-based Active Sensing. , 2022, , .		14
3668	RAPID-RL: A Reconfigurable Architecture with Preemptive-Exits for Efficient Deep-Reinforcement Learning. , 2022, , .		1
3669	Learning-Guided Exploration for Efficient Sampling-Based Motion Planning in High Dimensions. , 2022, , .		2
3670	Symphony: Learning Realistic and Diverse Agents for Autonomous Driving Simulation. , 2022, , .		11
3671	Target Languages (vs. Inductive Biases) for Learning to Act and Plan. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 12326-12333.	4.9	0
3672	Constraints Penalized Q-learning for Safe Offline Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 8753-8760.	4.9	3
3673	Finding Backdoors to Integer Programs: A Monte Carlo Tree Search Framework. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 3786-3795.	4.9	2
3674	Artificial Intelligence Can't Be Charmed: The Effects of Impartiality on Laypeople's Algorithmic Preferences. Frontiers in Psychology, 0, 13, .	2.1	9
3675	ProtGNN: Towards Self-Explaining Graph Neural Networks. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 9127-9135.	4.9	27
3676	Machine learning methods in game of chess implementation. Computer Science and Mathematical Modelling, 2022, .	0.2	0
3677	Generalization in Mean Field Games by Learning Master Policies. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 9413-9421.	4.9	3
3678	Eye of the Beholder: Improved Relation Generalization for Text-Based Reinforcement Learning Agents. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 11094-11102.	4.9	0
3679	Comparative Analysis of Routing Schemes Based on Machine Learning. Mobile Information Systems, 2022, 2022, 1-18.	0.6	2
3680	Reverse Differentiation via Predictive Coding. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 8150-8158.	4.9	6
3681	DeepThermal: Combustion Optimization for Thermal Power Generating Units Using Offline Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 4680-4688.	4.9	11
3682	Highly Flexible and Asymmetric Hexagonal-Shaped Crystalline Structured Germanium Dioxide-Based Multistate Resistive Switching Memory Device for Data Storage and Neuromorphic Computing. Advanced Electronic Materials, 2022, 8, .	5.1	15
3683	Variational Diversity Maximization for Hierarchical Skill Discovery. Neural Processing Letters, 2023, 55, 839-855.	3.2	1

#	ARTICLE	IF	CITATIONS
3684	Policy Optimization with Stochastic Mirror Descent. Proceedings of the AAAI Conference on Artificial Intelligence, 2022, 36, 8823-8831.	4.9	3
3685	RPINNs: Rectified-physics informed neural networks for solving stationary partial differential equations. Computers and Fluids, 2022, 245, 105583.	2.5	10
3686	Learning Zero-Sum Simultaneous-Move Markov Games Using Function Approximation and Correlated Equilibrium. Mathematics of Operations Research, 2023, 48, 433-462.	1.3	1
3687	Quantum circuit architectures via quantum observable Markov decision process planning. Journal of Physics Communications, 2022, 6, 075006.	1.2	4
3688	A Knowledge-Based Discovery Approach Couples Artificial Neural Networks With Weight Engineering to Uncover Immune-Related Processes Underpinning Clinical Traits of Breast Cancer. Frontiers in Immunology, 0, 13, .	4.8	1
3689	Deep Learning Model for Predicting the Outcome of Endovascular Abdominal Aortic Aneurysm Repair. Indian Journal of Surgery, 2023, 85, 288-296.	0.3	2
3690	Which Discriminator for Cooperative Text Generation?. , 2022, , .		1
3691	Singleâ€shot T ₂ mapping via multiâ€echoâ€train multiple overlappingâ€echo detachment planar imaging and multitask deep learning. Medical Physics, 2022, 49, 7095-7107.	3.0	6
3692	Learning State-Variable Relationships in POMCP: A Framework for Mobile Robots. Frontiers in Robotics and AI, 0, 9, .	3.2	0
3693	A Unifying Framework for Reinforcement Learning and Planning. Frontiers in Artificial Intelligence, 0, 5, .	3.4	5
3694	Combined Sewer Overflow and Flooding Mitigation Through a Reliable Realâ€Time Control Based on Multiâ€Reinforcement Learning and Model Predictive Control. Water Resources Research, 2022, 58, .	4.2	13
3695	Masked Feature Generation Network for Few-Shot Learning. , 2022, , .		1
3696	The benefits of adversarial defense in generalization. Neurocomputing, 2022, 505, 125-141.	5.9	3
3697	Data-Driven Synthetic Cell Factories Development for Industrial Biomanufacturing. Biodesign Research, 2022, 2022, .	1.9	2
3698	Quantifying safety risks of deep neural networks. Complex & Intelligent Systems, 2023, 9, 3801-3818.	6.5	5
3699	A reinforcement learning based approach to play calling in football. Journal of Quantitative Analysis in Sports, 2022, 18, 97-112.	1.0	1
3700	Interpreting a deep reinforcement learning model with conceptual embedding and performance analysis. Applied Intelligence, 2023, 53, 6936-6952.	5.3	2
3701	Deep reinforcement learning and adaptive policy transfer for generalizable well control optimization. Journal of Petroleum Science and Engineering, 2022, 217, 110868.	4.2	9

#	ARTICLE	IF	CITATIONS
3702	Flooding and Overflow Mitigation Using Deep Reinforcement Learning Based on Koopman Operator of Urban Drainage Systems. <i>Water Resources Research</i> , 2022, 58, .	4.2	13
3703	Training neural networks for solving 1-D optimal piecewise linear approximation. <i>Neurocomputing</i> , 2022, , .	5.9	0
3704	Infusing common-sensical prior knowledge into topological representations of learning robots. <i>Artificial Life and Robotics</i> , 2022, 27, 576-585.	1.2	1
3705	Enabling intelligent onboard guidance, navigation, and control using reinforcement learning on near-term flight hardware. <i>Acta Astronautica</i> , 2022, 199, 374-385.	3.2	2
3706	Demonstration of in-plane magnetized stochastic magnetic tunnel junction for binary stochastic neuron. <i>AIP Advances</i> , 2022, 12, .	1.3	4
3707	Prediction of high-temperature polymer dielectrics using a Bayesian molecular design model. <i>Journal of Applied Physics</i> , 2022, 132, .	2.5	5
3708	Smart Magnetic Microrobots Learn to Swim with Deep Reinforcement Learning. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	7
3709	Blockchain Smart Contract to Prevent Forgery of Degree Certificates: Artificial Intelligence Consensus Algorithm. <i>Electronics (Switzerland)</i> , 2022, 11, 2112.	3.1	3
3710	Artificial Intelligence without Digital Computers: Programming Matter at a Molecular Scale. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	5
3711	A Reinforcement Learning approach to the location of the non-circular critical slip surface of slopes. <i>Computers and Geosciences</i> , 2022, 166, 105182.	4.2	10
3712	Knowledge-based turbomachinery design system via a deep neural network and multi-output Gaussian process. <i>Knowledge-Based Systems</i> , 2022, 252, 109352.	7.1	3
3713	Towards next generation Savonius wind turbine: Artificial intelligence in blade design trends and framework. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 168, 112531.	16.4	14
3714	Deep reinforcement learning-based decision support system for transportation infrastructure management under hurricane events. <i>Structural Safety</i> , 2022, 99, 102254.	5.3	7
3715	Action Branching Architectures for Deep Reinforcement Learning. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2018, 32, .	4.9	73
3716	SAT-Based Data-Flow Mapping Onto Array Processor. , 2020, , .		1
3717	Segmented Encoding for Sim2Real of RL-based End-to-End Autonomous Driving. , 2022, , .		0
3718	Asymmetric and adaptive reward coding via normalized reinforcement learning. <i>PLoS Computational Biology</i> , 2022, 18, e1010350.	3.2	8
3719	Predictive maps in rats and humans for spatial navigation. <i>Current Biology</i> , 2022, 32, 3676-3689.e5.	3.9	36

#	ARTICLE	IF	CITATIONS
3720	Dynamic Resource Allocation in Systems-of-Systems Using a Heuristic-Based Interpretable Deep Reinforcement Learning. Journal of Mechanical Design, Transactions of the ASME, 2022, 144, .	2.9	1
3721	A Falsificationist Account of Artificial Neural Networks. British Journal for the Philosophy of Science, 0, , .	2.3	2
3722	Monte Carlo Tree Search: a review of recent modifications and applications. Artificial Intelligence Review, 2023, 56, 2497-2562.	15.7	44
3723	Robust Searching-Based Gradient Collaborative Management in Intelligent Transportation System. ACM Transactions on Multimedia Computing, Communications and Applications, 2024, 20, 1-23.	4.3	5
3724	Toward Human-in-the-Loop AI: Enhancing Deep Reinforcement Learning via Real-Time Human Guidance for Autonomous Driving. Engineering, 2023, 21, 75-91.	6.7	32
3725	Evaluating Correctness of Reinforcement Learning based on Actor-Critic Algorithm. , 2022, , .		0
3726	Machines That Feel and Think: The Role of Affective Feelings and Mental Action in (Artificial) General Intelligence. Artificial Life, 0, , 1-21.	1.3	1
3727	Deep reinforcement learning with a critic-value-based branch tree for the inverse design of two-dimensional optical devices. Applied Soft Computing Journal, 2022, 127, 109386.	7.2	8
3728	Evolution of neural networks. , 2022, , .		0
3729	AI in Negotiating and Entering into Contracts. , 2022, , 45-58.		0
3730	Reinforcement learning for crop management support: Review, prospects and challenges. Computers and Electronics in Agriculture, 2022, 200, 107182.	7.7	12
3731	A behavior fusion method based on inverse reinforcement learning. Information Sciences, 2022, 609, 429-444.	6.9	1
3732	An Efficient Evaluation Mechanism for Evolutionary Reinforcement Learning. Lecture Notes in Computer Science, 2022, , 41-50.	1.3	0
3733	MoGym: Using Formal Models for Training and Verifying Decision-making Agents. Lecture Notes in Computer Science, 2022, , 430-443.	1.3	3
3734	Shared Certificates forÂNeural Network Verification. Lecture Notes in Computer Science, 2022, , 127-148.	1.3	6
3735	Spectrum Sensing Based on WaveNet for Cognitive Radio with Multiple Parallel Signal Sequences Analysis. , 2022, , .		0
3736	Learning Robust Scheduling with Search and Attention. , 2022, , .		1
3737	Identification for Deep Neural Network: Simply Adjusting Few Weights!. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
3738	Game difficulty prediction algorithm based on improved Monte Carlo tree. , 2022, , .		0
3739	Short-term Load Forecasting with Deep Boosting Transfer Regression. , 2022, , .		6
3740	Tackling Real-World Autonomous Driving using Deep Reinforcement Learning. , 2022, , .		3
3741	PRISMA: A Packet Routing Simulator for Multi-Agent Reinforcement Learning. , 2022, , .		1
3742	Intelligent Wind Farm Control via Grouping-Based Reinforcement Learning. , 2022, , .		3
3743	Opportunistic maintenance scheduling with deep reinforcement learning. Journal of Manufacturing Systems, 2022, 64, 518-534.	13.9	26
3744	Switching-aware multi-agent deep reinforcement learning for target interception. Applied Intelligence, 2023, 53, 7876-7891.	5.3	2
3745	Hierarchical Multi-agent Model for Reinforced Medical Resource Allocation with Imperfect Information. ACM Transactions on Intelligent Systems and Technology, 2023, 14, 1-27.	4.5	0
3746	Intersubjectivity as an antidote to stress: Using dyadic active inference model of intersubjectivity to predict the efficacy of parenting interventions in reducing stressâ€”through the lens of dependent origination in Buddhist Madhyamaka philosophy. Frontiers in Psychology, 0, 13, .	2.1	3
3747	Using the Price ecological equation to simulate the response mechanism of forest damage and stand restoration process. Scientia Sinica Vitae, 2023, , .	0.3	0
3748	Beyond addressing multicollinearity: Robust quantitative analysis and machine learning in international business research. Journal of International Business Studies, 2022, 53, 1307-1314.	7.3	22
3751	Managing Sustainability Tensions in Artificial Intelligence. , 2022, , .		2
3752	DP-BEGAN: A Generative Model of Differential Privacy Algorithm. , 2022, , .		0
3753	Deep reinforcement learning in playing Tetris with robotic arm experiment. Transactions of the Institute of Measurement and Control, 0, , 014233122211146.	1.7	0
3754	Quantum Neural Network Classifiers: A Tutorial. SciPost Physics Lecture Notes, 0, , .	0.0	10
3755	Artificial intelligenceâ€”guided precision treatment of chronic kidney <scp>disease</scp>â€”<scp>mineral</scp> bone disorder. CPT: Pharmacometrics and Systems Pharmacology, 2022, 11, 1305-1315.	2.5	3
3756	Reinforcement learning: A brief guide for philosophers of mind. Philosophy Compass, 2022, 17, .	1.3	1
3757	Deep reinforcement learning applied to an assembly sequence planning problem with user preferences. International Journal of Advanced Manufacturing Technology, 2022, 122, 4235-4245.	3.0	11

#	ARTICLE	IF	CITATIONS
3758	<i>LGB-Stack</i>: Stacked Generalization with <i>LightGBM</i> for Highly Accurate Predictions of Polymer Bandgap. ACS Omega, 2022, 7, 29787-29793.	3.5	4
3759	On the principles of Parsimony and Self-consistency for the emergence of intelligence. Frontiers of Information Technology and Electronic Engineering, 2022, 23, 1298-1323.	2.6	21
3760	A Lightweight Convolutional Neural Network to Predict Steering Angle for Autonomous Driving Using CARLA Simulator. Modelling and Simulation in Engineering, 2022, 2022, 1-11.	0.7	2
3761	Echofilter: A Deep Learning Segmentation Model Improves the Automation, Standardization, and Timeliness for Post-Processing Echosounder Data in Tidal Energy Streams. Frontiers in Marine Science, 0, 9, .	2.5	2
3762	Synthesising Audio Adversarial Examples for Automatic Speech Recognition. , 2022, , .		1
3763	Single-step deep reinforcement learning for two- and three-dimensional optimal shape design. AIP Advances, 2022, 12, .	1.3	8
3764	Well Construction Action Planning and Automation through Finite-Horizon Sequential Decision-Making. Energies, 2022, 15, 5776.	3.1	2
3765	Strategic maneuver and disruption with reinforcement learning approaches for multi-agent coordination. Journal of Defense Modeling and Simulation, 2023, 20, 509-526.	1.7	0
3766	Deep Reinforcement Learning Ensemble for Detecting Anomaly in Telemetry Water Level Data. Water (Switzerland), 2022, 14, 2492.	2.7	2
3767	AutoShard: Automated Embedding Table Sharding for Recommender Systems. , 2022, , .		3
3768	Importance Prioritized Policy Distillation. , 2022, , .		3
3769	Entropy-Aware Model Initialization for Effective Exploration in Deep Reinforcement Learning. Sensors, 2022, 22, 5845.	3.8	0
3770	Stochastic cubic-regularized policy gradient method. Knowledge-Based Systems, 2022, , 109687.	7.1	0
3771	<i>De Novo</i>Design of Molecules with Low Hole Reorganization Energy Based on a Quarter-Million Molecule DFT Screen: Part 2. Journal of Physical Chemistry A, 2022, 126, 5837-5852.	2.5	1
3772	How does momentum benefit deep neural networks architecture design? A few case studies. Research in Mathematical Sciences, 2022, 9, .	1.0	1
3773	Reinforcement learning in spacecraft control applications: Advances, prospects, and challenges. Annual Reviews in Control, 2022, 54, 1-23.	7.9	21
3774	Artificial intelligence in radiotherapy. Seminars in Cancer Biology, 2022, 86, 160-171.	9.6	14
3775	The study of phase change properties of Sb₇₀Se₃₀ thin film with scandium and aluminum doping. Journal Physics D: Applied Physics, 2022, 55, 425105.	2.8	2

#	ARTICLE	IF	CITATIONS
3776	Lightweight Deep Learning Model for Marketing Strategy Optimization and Characteristic Analysis. Computational Intelligence and Neuroscience, 2022, 2022, 1-9.	1.7	2
3777	Artificial intelligence and computer vision in orthopaedic trauma. Bone and Joint Journal, 2022, 104-B, 911-914.	4.4	8
3778	Hierarchical Multiresolution Design of Bioinspired Structural Composites Using Progressive Reinforcement Learning. Advanced Theory and Simulations, 2022, 5, .	2.8	18
3779	The pursuit of happiness: A reinforcement learning perspective on habituation and comparisons. PLoS Computational Biology, 2022, 18, e1010316.	3.2	3
3780	Intelligent Action Planning for Well Construction Operations Demonstrated for Hole Cleaning Optimization and Automation. Energies, 2022, 15, 5749.	3.1	3
3781	Artificial intelligence in multiparametric magnetic resonance imaging: A review. Medical Physics, 2022, 49, .	3.0	17
3782	Extracting Relevant Information from User's Utterances in Conversational Search and Recommendation. , 2022, , .		2
3783	How to Implement Automotive Fault Diagnosis Using Artificial Intelligence Scheme. Micromachines, 2022, 13, 1380.	2.9	2
3784	Uncovering instabilities in variational-quantum deep Q-networks. Journal of the Franklin Institute, 2023, 360, 13822-13844.	3.4	10
3785	On-policy learning-based deep reinforcement learning assessment for building control efficiency and stability. Science and Technology for the Built Environment, 2022, 28, 1150-1165.	1.7	3
3786	Requirements and challenges for hybrid intelligence: A case-study in education. Frontiers in Artificial Intelligence, 0, 5, .	3.4	2
3787	Anti-Interception Guidance for Hypersonic Glide Vehicle: A Deep Reinforcement Learning Approach. Aerospace, 2022, 9, 424.	2.2	7
3788	A multi-objective reinforcement learning approach for resequencing scheduling problems in automotive manufacturing systems. International Journal of Production Research, 2023, 61, 5156-5175.	7.5	5
3789	Air Combat Maneuver Strategy Algorithm Based on Two-Layer Game Decision-Making and Distributed Double Game Trees MCTS under Uncertain Information. Electronics (Switzerland), 2022, 11, 2608.	3.1	0
3790	Analysis of Hyper-Parameters for AlphaZero-Like Deep Reinforcement Learning. International Journal of Information Technology and Decision Making, 2023, 22, 829-853.	3.9	2
3791	BoT-Net: a lightweight bag of tricks-based neural network for efficient LncRNA-miRNA interaction prediction. Interdisciplinary Sciences, Computational Life Sciences, 2022, 14, 841-862.	3.6	1
3792	Techniques and Paradigms in Modern Game AI Systems. Algorithms, 2022, 15, 282.	2.1	4
3793	Stable recovery of entangled weights: Towards robust identification of deep neural networks from minimal samples. Applied and Computational Harmonic Analysis, 2022, , .	2.2	0

#	ARTICLE	IF	CITATIONS
3794	Generative adversarial interactive imitation learning for path following of autonomous underwater vehicle. Ocean Engineering, 2022, 260, 111971.	4.3	6
3795	Multi-objective pruning of dense neural networks using deep reinforcement learning. Information Sciences, 2022, 610, 381-400.	6.9	9
3796	Soft formation control for unmanned surface vehicles under environmental disturbance using multi-task reinforcement learning. Ocean Engineering, 2022, 260, 112035.	4.3	6
3797	Enhancing Feedback Steering Controllers for Autonomous Vehicles With Deep Monte Carlo Tree Search. IEEE Robotics and Automation Letters, 2022, 7, 10438-10445.	5.1	2
3798	Hierarchical clustering optimizes the tradeoff between compositionality and expressivity of task structures for flexible reinforcement learning. Artificial Intelligence, 2022, 312, 103770.	5.8	3
3799	Operational optimization for off-grid renewable building energy system using deep reinforcement learning. Applied Energy, 2022, 325, 119783.	10.1	28
3800	Brain-inspired chaotic backpropagation for MLP. Neural Networks, 2022, 155, 1-13.	5.9	5
3801	Post-storm repair crew dispatch for distribution grid restoration using stochastic Monte Carlo tree search and deep neural networks. International Journal of Electrical Power and Energy Systems, 2023, 144, 108477.	5.5	3
3804	Reinforcement Learning: Theory and Applications in HEMS. Energies, 2022, 15, 6392.	3.1	4
3805	Deep learning analysis to predict EGFR mutation status in lung adenocarcinoma manifesting as pure ground-glass opacity nodules on CT. Frontiers in Oncology, 0, 12, .	2.8	3
3806	Development of deep reinforcement learning-based fault diagnosis method for rotating machinery in nuclear power plants. Progress in Nuclear Energy, 2022, 152, 104401.	2.9	16
3807	Recent advances in flotation froth image analysis. Minerals Engineering, 2022, 188, 107823.	4.3	16
3808	Alternative multi-label imitation learning framework monitoring tool wear and bearing fault under different working conditions. Advanced Engineering Informatics, 2022, 54, 101749.	8.0	11
3809	Markovian policy network for efficient robot learning. Neurocomputing, 2022, 512, 130-141.	5.9	0
3810	Physics aware analytics for accurate state prediction of dynamical systems. Chaos, Solitons and Fractals, 2022, 164, 112670.	5.1	3
3811	Machine learning for high-entropy alloys: Progress, challenges and opportunities. Progress in Materials Science, 2023, 131, 101018.	32.8	54
3812	Machine learning: An overview. , 2023, , 135-151.		0
3813	Multi-source information fusion deep self-attention reinforcement learning framework for multi-label compound fault recognition. Mechanism and Machine Theory, 2023, 179, 105090.	4.5	7

#	ARTICLE	IF	CITATIONS
3814	Convex Hull Monte-Carlo Tree-Search. , 0, 30, 217-225.		5
3815	Toward Robust Long Range Policy Transfer. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 9958-9966.	4.9	0
3816	IA-GM: A Deep Bidirectional Learning Method for Graph Matching. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 3474-3482.	4.9	6
3817	Hindsight and Sequential Rationality of Correlated Play. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 5584-5594.	4.9	1
3818	Sample Complexity of Policy Gradient Finding Second-Order Stationary Points. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 10630-10638.	4.9	4
3819	Memristor-Based Neural Network Circuit of Operant Conditioning Accorded With Biological Feature. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 4475-4486.	5.4	15
3820	Self-Learned Intelligence for Integrated Decision and Control of Automated Vehicles at Signalized Intersections. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24145-24156.	8.0	3
3821	On the Road to Perfection? Evaluating Leela Chess Zero Against Endgame Tablebases. Lecture Notes in Computer Science, 2022, , 142-152.	1.3	3
3822	Deep Reinforcement Learning for Morpion Solitaire. Lecture Notes in Computer Science, 2022, , 14-26.	1.3	1
3823	Expert Iteration for Risk. Lecture Notes in Computer Science, 2022, , 27-37.	1.3	1
3824	Obstacle Avoidance for UAS in Continuous Action Space Using Deep Reinforcement Learning. IEEE Access, 2022, 10, 90623-90634.	4.2	6
3825	On modeling and utilizing chemical compound information with deep learning technologies: A task-oriented approach. Computational and Structural Biotechnology Journal, 2022, 20, 4288-4304.	4.1	3
3826	Can Reinforcement Learning Learn Itself? A Reply to "Reward is Enough". Lecture Notes in Computer Science, 2022, , 117-133.	1.3	0
3827	Fair Virtual Network Function Mapping and Scheduling Using Proximal Policy Optimization. IEEE Transactions on Communications, 2022, 70, 7434-7445.	7.8	5
3828	A Framework for Automated Multiobjective Factory Layout Planning using Reinforcement Learning. Procedia CIRP, 2022, 112, 555-560.	1.9	1
3829	Artificial Intelligence, Surveillance, and Big Data. , 2022, , 145-172.		2
3830	Cooperative Trajectory Design of Multiple UAV Base Stations With Heterogeneous Graph Neural Networks. IEEE Transactions on Wireless Communications, 2023, 22, 1495-1509.	9.2	11
3831	HMDRL: Hierarchical Mixed Deep Reinforcement Learning to Balance Vehicle Supply and Demand. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 21861-21872.	8.0	5

#	ARTICLE	IF	CITATIONS
3832	REMAP: A Spatiotemporal CNN Accelerator Optimization Methodology and Toolkit Thereof. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 1691-1704.	2.7	3
3833	Information Optimization and Transferable State Abstractions in Deep Reinforcement Learning. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-12.	13.9	0
3834	Can Artificial Intelligence Improve Gender Equality? Evidence from a Natural Experiment. SSRN Electronic Journal, 0, , .	0.4	3
3835	DRAS: Deep Reinforcement Learning for Cluster Scheduling in High Performance Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 4903-4917.	5.6	4
3836	SCHE2MA: Scalable, Energy-Aware, Multidomain Orchestration for Beyond-5G URLLC Services. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7653-7663.	8.0	2
3837	Research on Maneuvering Decision Algorithm Based on Improved Deep Deterministic Policy Gradient. IEEE Access, 2022, 10, 92426-92445.	4.2	5
3838	Deep Learning-Based Job Placement in Distributed Machine Learning Clusters With Heterogeneous Workloads. IEEE/ACM Transactions on Networking, 2023, 31, 634-647.	3.8	3
3839	Facial Recognition with Computer Vision. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 313-330.	0.7	1
3840	Role of Blockchain and AI in Security and Privacy of 6G. Blockchain Technologies, 2022, , 93-115.	0.8	1
3841	Application Prospects of Artificial Intelligence Technology in Joint All-Domain Command and Control. Lecture Notes in Electrical Engineering, 2022, , 331-340.	0.4	0
3842	Improved QMIXs for Multi-entity Asynchronous Cooperative Learning in Tactical Wargame. Lecture Notes in Electrical Engineering, 2022, , 551-562.	0.4	0
3843	Towards Human Machine Recognition Alignment: An Adversarially Robust Multimodal Retrieval Hashing Framework. IEEE Transactions on Computational Social Systems, 2023, 10, 2847-2859.	4.4	1
3844	The Force Unleashed. Frontiers in Economic History, 2022, , 31-41.	0.4	0
3845	Applying Game-Learning Environments to Power Capping Scenarios via Reinforcement Learning. Communications in Computer and Information Science, 2022, , 91-106.	0.5	1
3846	On Meeting a Maximum Delay Constraint Using Reinforcement Learning. IEEE Access, 2022, 10, 97897-97911.	4.2	1
3847	Reinforced MCTS for non-intrusive online load identification based on cognitive green computing in smart grid. Mathematical Biosciences and Engineering, 2022, 19, 11595-11627.	1.9	3
3848	Recent Neural-Symbolic Approaches to ILP Based on Templates. Lecture Notes in Computer Science, 2022, , 75-89.	1.3	0
3849	Assessing Policy, Loss and Planning Combinations in Reinforcement Learning Using a New Modular Architecture. Lecture Notes in Computer Science, 2022, , 427-439.	1.3	0

#	ARTICLE	IF	CITATIONS
3850	Dual Parallel Policy Iteration With Coupled Policy Improvement. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 4286-4298.	11.3	2
3851	Learning of Long-Horizon Sparse-Reward Robotic Manipulator Tasks With Base Controllers. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 4072-4081.	11.3	4
3852	Artificial Intelligence and Machine Learning. , 2022, , 435-455.		1
3853	Deep Q-Learning-Based Dynamic Management of a Robotic Cluster. IEEE Transactions on Automation Science and Engineering, 2023, 20, 2503-2515.	5.2	3
3854	Explainability in Graph Neural Networks: A Taxonomic Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, , 1-19.	13.9	70
3856	Accurate and Energy-Efficient Bit-Slicing for RRAM-Based Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 164-177.	4.9	5
3857	Ultra-low Crosstalk Multiplexer for Neuromorphic Photonic Data Processing. , 2022, , .		0
3858	An Evaluation Study of Intrinsic Motivation Techniques Applied to Reinforcement Learning over Hard Exploration Environments. Lecture Notes in Computer Science, 2022, , 201-220.	1.3	1
3859	K�nstliche Intelligenz im Management. , 2022, , 65-82.		0
3860	Real-Time Shipboard Power Management Based on Monte-Carlo Tree Search. IEEE Transactions on Power Systems, 2022, , 1-14.	6.5	1
3861	Bandwidth Allocation and Trajectory Control in UAV-Assisted IoV Edge Computing Using Multiagent Reinforcement Learning. IEEE Transactions on Reliability, 2023, 72, 599-608.	4.6	0
3862	SLAPStack: A Simulation Framework and Large-Scale Benchmark Use Case for Autonomous Block Stacking Warehouses. Lecture Notes in Computer Science, 2022, , 291-305.	1.3	0
3863	Guiding an Automated Theorem Prover with Neural Rewriting. Lecture Notes in Computer Science, 2022, , 597-617.	1.3	1
3864	CATS: A Cache Time-to-Live Setting Auto Adjustment Strategy for Air Ticket Query Service. Communications in Computer and Information Science, 2022, , 327-341.	0.5	0
3865	An Adversarial Multi-task Learning Method for Chinese Text Correction with Semantic Detection. Lecture Notes in Computer Science, 2022, , 159-173.	1.3	1
3866	Routing in Reinforcement Learning Markov Chains. , 2022, , 409-414.		0
3867	AlphaZero-Inspired Game Learning: Faster Training by Using MCTS Only at Test Time. IEEE Transactions on Games, 2023, 15, 637-647.	1.4	0
3868	Service Management and Energy Scheduling Toward Low-Carbon Edge Computing. IEEE Transactions on Sustainable Computing, 2023, 8, 109-119.	3.1	8

#	ARTICLE	IF	CITATIONS
3869	A study on deep reinforcement learning-based crane scheduling model for uncertainty tasks. High Temperature Materials and Processes, 2022, 41, 469-481.	1.4	3
3870	Submodular Optimization via Reinforcement Learning for Active Control of Sensor Networks. , 2022, , .		0
3871	Analysis on Deep Reinforcement Learning with Flappy Bird Gameplay. , 2022, , .		0
3872	From Model-Centric to Data-Centric AI: A Paradigm Shift or Rather a Complementary Approach?. , 2022, , .		11
3873	Youla-REN: Learning Nonlinear Feedback Policies with Robust Stability Guarantees. , 2022, , .		4
3874	Sample efficient transfer in reinforcement learning for high variable cost environments with an inaccurate source reward model. , 2022, , .		2
3875	Learning General Optimal Policies with Graph Neural Networks: Expressive Power, Transparency, and Limits. , 0, 32, 629-637.		2
3876	Swarm Intelligence in Cooperative Environments: N-Step Dynamic Tree Search Algorithm Extended Analysis. , 2022, , .		3
3877	Deep Reinforcement Learning on Wind Power Optimization. , 2022, , .		2
3878	Exploring reinforcement learning approaches for drafting in collectible card games. Entertainment Computing, 2023, 44, 100526.	2.9	2
3879	Celebrating Robustness in Efficient Off-Policy Meta-Reinforcement Learning. , 2022, , .		0
3880	Hyperheuristic Method Based on Deep Reinforcement Learning. , 2022, , .		0
3881	Uncertainty Aware Model Integration on Reinforcement Learning. , 2022, , .		0
3882	The Importance of Multiple Temporal Scales in Motion Recognition: when Shallow Model can Support Deep Multi Scale Models. , 2022, , .		0
3883	Decision Making for Autonomous Driving Via Multimodal Transformer and Deep Reinforcement Learning. , 2022, , .		1
3884	Distilling Deep RL Models Into Interpretable Neuro-Fuzzy Systems. , 2022, , .		0
3885	Multi-Agent Uncertainty Sharing for Cooperative Multi-Agent Reinforcement Learning. , 2022, , .		0
3886	Adversarial Discriminative Feature Separation for Generalization in Reinforcement Learning. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3887	Exploring Coarse-grained Pre-guided Attention to Assist Fine-grained Attention Reinforcement Learning Agents. , 2022, , .		0
3888	Deep Reinforcement Learning with Parametric Episodic Memory. , 2022, , .		0
3889	Compute Trends Across Three Eras of Machine Learning. , 2022, , .		67
3890	Fast Probabilistic Policy Reuse via Reward Function Fitting. , 2022, , .		2
3892	An Efficient Computation Offloading Approach in Multi-access Edge Computing Using Deep Reinforcement Learning. , 2022, , .		0
3893	PGD: A Large-scale Professional Go Dataset for Data-driven Analytics. , 2022, , .		1
3894	Reinforcement Learning using Reward Expectations in Scenarios with Aleatoric Uncertainties. , 2022, , .		0
3895	Multi-goal Reinforcement Learning via Exploring Successor Matching. , 2022, , .		1
3896	Mjx: A framework for Mahjong AI research. , 2022, , .		0
3897	DouZero+: Improving DouDizhu AI by Opponent Modeling and Coach-guided Learning. , 2022, , .		3
3898	Multiferroic antiferromagnetic artificial synapse. Journal of Applied Physics, 2022, 132, 084102.	2.5	0
3899	Speedup Training Artificial Intelligence for Mahjong via Reward Variance Reduction. , 2022, , .		1
3900	Deep Learning Assisted Diagnosis of Onychomycosis on Whole-Slide Images. Journal of Fungi (Basel,) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	3.5	5
3901	Agent X: Improving Exploration vs Exploitation in the State of the Art Angry Birds AI. , 2022, , .		0
3902	DL 101: Basic introduction to deep learning with its application in biomedical related fields. Statistics in Medicine, 2022, 41, 5365-5378.	1.6	0
3903	Improving DNN-based 2048 Players with Global Embedding. , 2022, , .		0
3904	MultiTree MCTS in Tabletop Games. , 2022, , .		0
3905	Combining Monte-Carlo Tree Search with Proof-Number Search. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
3906	Dynamic Policy Programming with Descending Regularization for Efficient Reinforcement Learning Control. , 2022, , .		0
3907	Bayesian Opponent Exploitation by Inferring the Opponent's Policy Selection Pattern. , 2022, , .		0
3908	Improving Bidding and Playing Strategies in the Trick-Taking game Wizard using Deep Q-Networks. , 2022, , .		0
3909	Automated machine learning-based classification of proliferative and non-proliferative diabetic retinopathy using optical coherence tomography angiography vascular density maps. Graefe's Archive for Clinical and Experimental Ophthalmology, 2023, 261, 391-399.	1.9	8
3910	Interpretable deep learning: interpretation, interpretability, trustworthiness, and beyond. Knowledge and Information Systems, 2022, 64, 3197-3234.	3.2	74
3911	Deep reinforcement learning for conservation decisions. Methods in Ecology and Evolution, 2022, 13, 2649-2662.	5.2	5
3912	How to incorporate biological insights into network models and why it matters. Journal of Physiology, 2023, 601, 3037-3053.	2.9	3
3913	A new deep neural network algorithm for multiple stopping with applications in options pricing. Communications in Nonlinear Science and Numerical Simulation, 2023, 117, 106881.	3.3	0
3914	Shear Wave Velocity Estimation Based on Deep-Q Network. Applied Sciences (Switzerland), 2022, 12, 8919.	2.5	2
3915	Probabilistic design of optimal sequential decision-making algorithms in learning and control. Annual Reviews in Control, 2022, 54, 81-102.	7.9	6
3916	Enforcing ethical goals over reinforcement-learning policies. Ethics and Information Technology, 2022, 24, .	3.8	2
3917	A Self-Adaptive Vibration Reduction Method Based on Deep Deterministic Policy Gradient (DDPG) Reinforcement Learning Algorithm. Applied Sciences (Switzerland), 2022, 12, 9703.	2.5	0
3918	Artificial Neural Network in Prediction of Language Delay in Children Under 1 Year: Preliminary Results. Psychiatry, 2022, 20, 57-64.	0.7	0
3919	Mobile Robot Application with Hierarchical Start Position DQN. Computational Intelligence and Neuroscience, 2022, 2022, 1-21.	1.7	3
3920	Air combat manoeuvre strategy algorithm based on two-layer game decision-making and the distributed MCTS method with double game trees. Systems Science and Control Engineering, 2022, 10, 811-821.	3.1	1
3921	A Coupled Spintronics Neuromorphic Approach for High-Performance Reservoir Computing. Advanced Intelligent Systems, 2022, 4, .	6.1	12
3922	Developing, evaluating and scaling learning agents in multi-agent environments. AI Communications, 2022, 35, 271-284.	1.2	1
3923	A Flexible Reinforcement Learning Framework to Implement Cradle-to-Cradle in Early Design Stages. , 2023, , 3-12.		1

#	ARTICLE	IF	CITATIONS
3924	Beyond deep learning. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	0
3925	Robot Obstacle Avoidance Controller Based on Deep Reinforcement Learning. Journal of Sensors, 2022, 2022, 1-10.	1.1	2
3926	Applications of Markov Decision Process Model and Deep Learning in Quantitative Portfolio Management during the COVID-19 Pandemic. Systems, 2022, 10, 146.	2.3	2
3927	Explainable AI: A Neurally-Inspired Decision Stack Framework. Biomimetics, 2022, 7, 127.	3.3	3
3928	Model-Free Deep Recurrent Q-Network Reinforcement Learning for Quantum Circuit Architectures Design. Quantum Reports, 2022, 4, 380-389.	1.3	2
3930	Automatic Ground Collision Avoidance Control and Decision-Making of Fighter Base on Deep Reinforcement Learning. Lecture Notes in Electrical Engineering, 2023, , 199-214.	0.4	0
3931	Artificial intelligence and machine learning applications in biopharmaceutical manufacturing. Trends in Biotechnology, 2023, 41, 497-510.	9.3	17
3932	The Synergy of Double Neural Networks for Bridge Bidding. Mathematics, 2022, 10, 3187.	2.2	0
3933	Self-Legislatng Machines: What can Kant Teach Us about Original Intentionality?. Kant-Studien, 2022, 113, 555-576.	0.1	0
3934	Routeview: an intelligent route planning system for ships sailing through Arctic ice zones based on big Earth data. International Journal of Digital Earth, 2022, 15, 1588-1613.	3.9	6
3935	Conditional reduction of the loss value versus reinforcement learning for biasing a de-novo drug design generator. Journal of Cheminformatics, 2022, 14, .	6.1	2
3936	Artificial intelligence-informed planning for the rapid response of hazard-impacted road networks. Scientific Reports, 2022, 12, .	3.3	2
3937	Neural Combinatorial Optimization with Explanation. Neural Processing Letters, 0, , .	3.2	0
3938	Policy-based optimization: single-step policy gradient method seen as an evolution strategy. Neural Computing and Applications, 2023, 35, 449-467.	5.6	5
3939	Continual portfolio selection in dynamic environments via incremental reinforcement learning. International Journal of Machine Learning and Cybernetics, 2023, 14, 269-279.	3.6	2
3940	Analysis based on neural representation of natural object surfaces to elucidate the mechanisms of a trained AlexNet model. Frontiers in Computational Neuroscience, 0, 16, .	2.1	2
3941	Optimizing measurement-based cooling by reinforcement learning. Physical Review A, 2022, 106, .	2.5	1
3942	Robust AI Driving Strategy for Autonomous Vehicles. Lecture Notes in Intelligent Transportation and Infrastructure, 2023, , 161-212.	0.5	0

#	ARTICLE	IF	CITATIONS
3943	Lyapunov Robust Constrained-MDPs for Sim2Real Transfer Learning. Adaptation, Learning, and Optimization, 2023, , 307-328.	0.6	0
3944	A Study on Efficient Reinforcement Learning Through Knowledge Transfer. Adaptation, Learning, and Optimization, 2023, , 329-356.	0.6	0
3945	Advances in Automated Treatment Planning. Seminars in Radiation Oncology, 2022, 32, 343-350.	2.2	5
3946	AlphaDDA: strategies for adjusting the playing strength of a fully trained AlphaZero system to a suitable human training partner. PeerJ Computer Science, 0, 8, e1123.	4.5	1
3949	Conquer primal fear: Phonological features are innate and substance-free. Canadian Journal of Linguistics, 0, , 1-30.	0.2	2
3950	Reusability report: Comparing gradient descent and Monte Carlo tree search optimization of quantum annealing schedules. Nature Machine Intelligence, 0, , .	16.0	0
3952	Artificial Intelligence and Deep Learning for Brachytherapy. Seminars in Radiation Oncology, 2022, 32, 389-399.	2.2	2
3953	Yarn-dyed fabric defect detection based on an improved autoencoder with Fourier convolution. Textile Research Journal, 2023, 93, 1153-1165.	2.2	1
3954	Automatic berthing using supervised learning and reinforcement learning. Ocean Engineering, 2022, 265, 112553.	4.3	10
3955	Improving Model Robustness by Adaptively Correcting Perturbation Levels with Active Queries. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 9161-9169.	4.9	3
3958	Tractable Large-Scale Deep Reinforcement Learning. SSRN Electronic Journal, 0, , .	0.4	0
3959	The Undergraduate Games Corpus: A Dataset for Machine Perception of Interactive Media. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 3-11.	4.9	1
3960	Relative Variational Intrinsic Control. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 6732-6740.	4.9	5
3961	Reinforcement Learning Based Multi-Agent Resilient Control: From Deep Neural Networks to an Adaptive Law. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 7737-7745.	4.9	3
3962	Dynamic Automaton-Guided Reward Shaping for Monte Carlo Tree Search. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 12015-12023.	4.9	0
3963	FontRL: Chinese Font Synthesis via Deep Reinforcement Learning. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 2198-2206.	4.9	1
3964	Heisenbot: A Rule-Based Game Agent for Gin Rummy. Proceedings of the AAAI Conference on Artificial Intelligence, 2021, 35, 15489-15495.	4.9	0
3965	Learning and Exploiting Shaped Reward Models for Large Scale Multiagent RL. , 0, 31, 588-596.		2

#	ARTICLE	IF	CITATIONS
3966	Improving AlphaZero Using Monte-Carlo Graph Search. , 0, 31, 103-111.		1
3967	Trial-Based Heuristic Tree Search for MDPs with Factored Action Spaces. , 2020, 11, 38-47.		0
3968	Fast Node Selection of a Networked Radar Based on Transfer Reinforcement Learning. IFIP Advances in Information and Communication Technology, 2022, , 56-67.	0.7	0
3969	Reinforcement Learning Provides a Flexible Approach for Realistic Supply Chain Safety Stock Optimisation. IFAC-PapersOnLine, 2022, 55, 1539-1544.	0.9	2
3970	Congested Urban Networks Tend to Be Insensitive to Signal Settings: Implications for Learning-Based Control. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 24904-24917.	8.0	2
3971	Formal Methods Meet Machine Learning (F3ML). Lecture Notes in Computer Science, 2022, , 393-405.	1.3	2
3972	A Data-Driven Solution for Energy Management Strategy of Hybrid Electric Vehicles Based on Uncertainty-Aware Model-Based Offline Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2023, 19, 7709-7719.	11.3	2
3973	OpenMedia: Open-Source Medical Image Analysis Toolbox and Benchmark Under Heterogeneous AI Computing Platforms. Lecture Notes in Computer Science, 2022, , 356-367.	1.3	1
3974	Dynamic Shielding for Reinforcement Learning in Black-Box Environments. Lecture Notes in Computer Science, 2022, , 25-41.	1.3	2
3975	Surrogate-Assisted Multiobjective Neural Architecture Search for Real-Time Semantic Segmentation. IEEE Transactions on Artificial Intelligence, 2023, 4, 1602-1615.	4.7	4
3976	Space-Time Tree Search for Long-Term Trajectory Prediction. IEEE Access, 2022, 10, 117745-117756.	4.2	1
3977	Hash Bit Selection With Reinforcement Learning for Image Retrieval. IEEE Transactions on Multimedia, 2023, 25, 6678-6687.	7.2	4
3978	Tibetan Jiu Chess Game Algorithm based on Expert Knowledge. , 2022, , .		1
3979	Deep Reinforcement Learning Based Autonomous Control Approach for Power System Topology Optimization. , 2022, , .		0
3980	Leader-Follower Formation Control for Fixed-Wing UAVs using Deep Reinforcement Learning. , 2022, , .		1
3981	Decentralized Multi-Agent Policy Evaluation Over Directed Graphs. , 2022, , .		0
3982	Autonomous Vehicles Roundup Strategy by Reinforcement Learning with Prediction Trajectory. , 2022, , .		0
3983	A MIP-Based Approach for Multi-Robot Geometric Task-and-Motion Planning. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
3984	Optimal stroke learning with policy gradient approach for robotic table tennis. Applied Intelligence, 2023, 53, 13309-13322.	5.3	3
3985	Mastering construction heuristics with self-play deep reinforcement learning. Neural Computing and Applications, 2023, 35, 4723-4738.	5.6	3
3986	A Brake Assisting Function for Railway Vehicles Using Fuzzy Logic: A Comparison Study for Different Fuzzy Inference Types. Lecture Notes in Networks and Systems, 2023, , 301-311.	0.7	1
3988	A statistical approach for detecting AI-assisted cheating in the game of Go. Journal of the Korean Physical Society, 0, , .	0.7	0
3989	Accelerating reinforcement learning with case-based model-assisted experience augmentation for process control. Neural Networks, 2023, 158, 197-215.	5.9	2
3990	Cognition-Enabled Robots Assist in Care and Everyday Life: Perspectives, Challenges, and Current Views and Insights. SpringerBriefs in Sociology, 2023, , 103-119.	0.1	0
3991	A Survey of Reinforcement Learning Toolkits for Gaming: Applications, Challenges and Trends. Lecture Notes in Networks and Systems, 2023, , 165-184.	0.7	3
3992	Supervised machine learning and associated algorithms: applications in orthopedic surgery. Knee Surgery, Sports Traumatology, Arthroscopy, 2023, 31, 1196-1202.	4.2	16
3993	A Video Summarization Model Based on Deep Reinforcement Learning with Long-Term Dependency. Sensors, 2022, 22, 7689.	3.8	3
3994	Autonomous Navigation Using Model-Based Reinforcement Learning. Lecture Notes in Networks and Systems, 2023, , 268-277.	0.7	0
3995	AI-Assisted Decision-Making and Risk Evaluation in Uncertain Environment Using Stochastic Inverse Reinforcement Learning: American Football as a Case Study. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	1
3996	Evaluation of Neural Network Verification Methods for Air-to-Air Collision Avoidance. Journal of Air Transportation, 2023, 31, 1-17.	1.5	1
3997	Maneuver Decision-Making for Autonomous Air Combat Based on FRE-PPO. Applied Sciences (Switzerland), 2022, 12, 10230.	2.5	5
3999	A review of cooperative multi-agent deep reinforcement learning. Applied Intelligence, 2023, 53, 13677-13722.	5.3	59
4000	Hierarchical Reinforcement Learning using Gaussian Random Trajectory Generation in Autonomous Furniture Assembly. , 2022, , .		2
4001	Tutorial on Deep Learning Interpretation. , 2022, , .		2
4002	Observing how deep neural networks understand physics through the energy spectrum of 1D quantum mechanics. Progress of Theoretical and Experimental Physics, 2022, 2022, .	6.6	1
4003	Guiding Belief Space Planning with Learned Models for Interactive Merging. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
4004	Meta-reinforcement learning based few-shot speech reconstruction for non-intrusive speech quality assessment. Applied Intelligence, 0, , .	5.3	1
4005	Uncertainty-Aware Hierarchical Reinforcement Learning Robust to Noisy Observations. Lecture Notes in Networks and Systems, 2023, , 538-547.	0.7	1
4006	The Challenge of Autonomy: What We Can Learn from Research on Robots Designed for Harsh Environments. SpringerBriefs in Sociology, 2023, , 57-80.	0.1	0
4007	A Dual Channel Intent Evolution Network for Predicting Period-Aware Travel Intentions at Fliggy. , 2022, , .		0
4008	Deep multiagent reinforcement learning: challenges and directions. Artificial Intelligence Review, 2023, 56, 5023-5056.	15.7	25
4009	Learning to Obey Traffic Rules using Constrained Policy Optimization. , 2022, , .		2
4010	Behavior policy learning: Learning multi-stage tasks via solution sketches and model-based controllers. Frontiers in Robotics and AI, 0, 9, .	3.2	2
4011	The present and future of neural interfaces. Frontiers in Neurorobotics, 0, 16, .	2.8	4
4012	Multi-label fault recognition framework using deep reinforcement learning and curriculum learning mechanism. Advanced Engineering Informatics, 2022, 54, 101773.	8.0	7
4013	Spatial-Temporal Aligned Multi-Agent Learning for Visual Dialog Systems. , 2022, , .		0
4014	Electrochemical Ionic Synapses: Progress and Perspectives. Advanced Materials, 2023, 35, .	21.0	13
4015	Run Time Assured Reinforcement Learning for Safe Satellite Docking. Journal of Aerospace Information Systems, 2023, 20, 25-36.	1.4	4
4016	Robotics in construction: A critical review of the reinforcement learning and imitation learning paradigms. Advanced Engineering Informatics, 2022, 54, 101787.	8.0	11
4017	Autonomous maneuver decision-making method based on reinforcement learning and Monte Carlo tree search. Frontiers in Neurorobotics, 0, 16, .	2.8	3
4018	A Reverse Modification Method for Binary Code and Data. Sensors, 2022, 22, 7714.	3.8	0
4019	Deep generative molecular design reshapes drug discovery. Cell Reports Medicine, 2022, 3, 100794.	6.5	33
4020	Lore. , 2022, , .		1
4021	Mjolnir: A framework agnostic auto-tuning system with deep reinforcement learning. Applied Intelligence, 0, , .	5.3	0

#	ARTICLE	IF	CITATIONS
4022	Indoor Target-Driven Visual Navigation based on Spatial Semantic Information. , 2022, , .		0
4024	General Vapnikâ€“Chervonenkis dimension bounds for quantum circuit learning. Journal of Physics Complexity, 2022, 3, 045007.	2.2	0
4025	Approximate Optimal Filter Design for Vehicle System through Actor-Critic Reinforcement Learning. Automotive Innovation, 2022, 5, 415-426.	5.1	1
4026	Continuous selfâ€“adaptation of control policies in automatic cloud management. Concurrency Computation Practice and Experience, 0, , .	2.2	0
4027	Value function factorization with dynamic weighting for deep multi-agent reinforcement learning. Information Sciences, 2022, 615, 191-208.	6.9	3
4028	Improved Monte Carlo Tree Search-based approach to low-thrust multiple gravity-assist trajectory design. Aerospace Science and Technology, 2022, 130, 107946.	4.8	4
4029	A Monte Carlo tree search conceptual framework for feature model analyses. Journal of Systems and Software, 2023, 195, 111551.	4.5	3
4030	Entropy regularized actor-critic based multi-agent deep reinforcement learning for stochastic games. Information Sciences, 2022, 617, 17-40.	6.9	3
4031	Value functions for depth-limited solving in zero-sum imperfect-information games. Artificial Intelligence, 2023, 314, 103805.	5.8	2
4032	An autonomous control technology based on deep reinforcement learning for optimal active power dispatch. International Journal of Electrical Power and Energy Systems, 2023, 145, 108686.	5.5	8
4033	Deep Learning in Medicine. Are We Ready?. Annals of the Academy of Medicine, Singapore, 2019, 48, 1-4.	0.4	4
4034	Multiagent Reinforcement Learning With Heterogeneous Graph Attention Network. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6851-6860.	11.3	2
4035	Deep Learning for Approximate Nearest Neighbour Search: A Survey and Future Directions. IEEE Transactions on Knowledge and Data Engineering, 2022, , 1-20.	5.7	0
4036	Random Deep Graph Matching. IEEE Transactions on Knowledge and Data Engineering, 2023, 35, 10411-10422.	5.7	1
4037	RLOps: Development Life-Cycle of Reinforcement Learning Aided Open RAN. IEEE Access, 2022, 10, 113808-113826.	4.2	6
4038	Reinforcement Learning for Multi-aircraft Autonomous Air Combat in Multisensor UCAV Platform. IEEE Sensors Journal, 2023, 23, 20596-20606.	4.7	3
4039	Deep reinforcement learning-PID based supervisor control method for indirect-contact heat transfer processes in energy systems. Engineering Applications of Artificial Intelligence, 2023, 117, 105551.	8.1	6
4040	Value activation for bias alleviation: Generalized-activated deep double deterministic policy gradients. Neurocomputing, 2023, 518, 70-81.	5.9	2

#	ARTICLE	IF	CITATIONS
4041	An adaptive framework to accelerate optimization of high flame retardant composites using machine learning. Composites Science and Technology, 2023, 231, 109818.	7.8	15
4042	Deep Policies for Width-Based Planning in Pixel Domains. , 0, 29, 646-654.		1
4043	Errare humanum est?. , 2022, , .		0
4044	Routability-Driven Detailed Placement Using Reinforcement Learning. , 2022, , .		0
4045	Review on artificial intelligence techniques for improving representative air traffic management capability. Journal of Systems Engineering and Electronics, 2022, 33, 1123-1134.	2.2	4
4046	PDNNs: The parallel deep neural networks for the Navier–Stokes equations coupled with heat equation. International Journal for Numerical Methods in Fluids, 2023, 95, 666-681.	1.6	1
4047	ESCHER. , 2022, , .		2
4048	An All-in-One Bioinspired Neural Network. ACS Nano, 2022, 16, 20100-20115.	14.6	9
4049	An efficient training strategy for multi-agent reinforcement learning in card games. , 2022, , .		0
4050	An evading strategy for hypersonic vehicle against multiple interceptors via reinforcement learning. , 2022, , .		0
4051	A Q-based policy gradient optimization approach for Doudizhu. Applied Intelligence, 2023, 53, 15372-15389.	5.3	2
4053	Floating Gate Transistor-Based Accurate Digital In-Memory Computing for Deep Neural Networks. Advanced Intelligent Systems, 0, , 2200127.	6.1	1
4054	Deep learning in drug discovery: an integrative review and future challenges. Artificial Intelligence Review, 2023, 56, 5975-6037.	15.7	32
4055	Toward autonomous laboratories: Convergence of artificial intelligence and experimental automation. Progress in Materials Science, 2023, 132, 101043.	32.8	19
4056	Random matrix analysis of deep neural network weight matrices. Physical Review E, 2022, 106, .	2.1	5
4057	Induced Emotion-Based Music Recommendation through Reinforcement Learning. Applied Sciences (Switzerland), 2022, 12, 11209.	2.5	4
4058	Ultrafast inverse design of quantum dot optical spectra via a joint TD-DFT learning scheme and deep reinforcement learning. AIP Advances, 2022, 12, .	1.3	3
4059	Indispensable skills for human employees in the age of robots and AI. European Journal of Training and Development, 2024, 48, 179-195.	2.2	4

#	ARTICLE	IF	CITATIONS
4060	Roadmap of AlphaGo to AlphaStar: Problems and challenges. , 2022, , .		0
4061	A review on deep reinforcement learning for fluid mechanics: An update. Physics of Fluids, 2022, 34, .	4.0	31
4062	Automating anticorruption?. Ethics and Information Technology, 2022, 24, .	3.8	0
4063	Where Reinforcement Learning Meets Process Control: Review and Guidelines. Processes, 2022, 10, 2311.	2.8	11
4064	Designing mechanically tough graphene oxide materials using deep reinforcement learning. Npj Computational Materials, 2022, 8, .	8.7	8
4065	Transdisciplinarity, neuroâ€technoâ€philosophy, and the future of philosophy. Metaphilosophy, 0, , .	0.3	0
4066	Cooperative and competitive multi-agent deep reinforcement learning. , 2022, , .		0
4067	Classification of the Human Protein Atlas Single Cell Using Deep Learning. Applied Sciences (Switzerland), 2022, 12, 11587.	2.5	2
4068	Intelligent Control of Groundwater in Slopes with Deep Reinforcement Learning. Sensors, 2022, 22, 8503.	3.8	1
4069	Exploiting deep learning and augmented reality in fused deposition modeling: a focus on registration. International Journal on Interactive Design and Manufacturing, 0, , .	2.2	0
4070	Automatic Computation of Meaning in Authored Images Such as Artworks: A Grand Challenge for AI. Journal on Computing and Cultural Heritage, 2022, 15, 1-11.	2.1	0
4071	Learning to Design Without Prior Data: Discovering Generalizable Design Strategies Using Deep Learning and Tree Search. Journal of Mechanical Design, Transactions of the ASME, 2023, 145, .	2.9	2
4072	Automated cloud resources provisioning with the use of the proximal policy optimization. Journal of Supercomputing, 2023, 79, 6674-6704.	3.6	5
4073	Algorithms and applications of intelligent swarm cooperative control: A comprehensive survey. Progress in Aerospace Sciences, 2022, 135, 100869.	12.1	3
4074	High-resolution downscaling with interpretable deep learning: Rainfall extremes over New Zealand. Weather and Climate Extremes, 2022, 38, 100525.	4.1	10
4075	Query-Efficient Adversarial Attack With Low Perturbation Against End-to-End Speech Recognition Systems. IEEE Transactions on Information Forensics and Security, 2023, 18, 351-364.	6.9	7
4076	The Minimum Value State Problem in Actor-Critic Networks. , 2022, , .		0
4077	Adapted Metrics for Measuring Competency and Resilience for Autonomous Robot Systems in Discrete Time Markov Chains. , 2022, , .		3

#	ARTICLE	IF	CITATIONS
4078	A Modified Deep Q-Learning Algorithm for Optimal and Robust Quantum Gate Design of a Single Qubit System [*] , 2022, , .		0
4079	A measure theoretical approach to the mean-field maximum principle for training NeurODEs. Nonlinear Analysis: Theory, Methods & Applications, 2023, 227, 113161.	1.1	8
4080	UAMPnet: Unrolled approximate message passing network for nonconvex regularization. Expert Systems With Applications, 2023, 213, 119220.	7.6	1
4081	DeepFEM: A Novel Element-Based Deep Learning Approach for Solving Nonlinear Partial Differential Equations in Computational Solid Mechanics. Journal of Engineering Mechanics - ASCE, 2023, 149, .	2.9	2
4082	Evolution Strategies for Sparse Reward Gridworld Environments. Lecture Notes in Computer Science, 2022, , 266-278.	1.3	0
4083	Semi-model-Based Reinforcement Learning inÂOrganic Computing Systems. Lecture Notes in Computer Science, 2022, , 241-255.	1.3	2
4084	Towards Intelligent Electromagnetic Inverse Scattering Using Deep Learning Techniques and Information Metasurfaces. IEEE Journal of Microwaves, 2023, 3, 509-522.	6.5	4
4085	A Reinforcement Learning based Path Planning Approach in 3D Environment. Procedia Computer Science, 2022, 212, 152-160.	2.0	6
4086	Competitive Learning withÂSpiking Nets andÂSpike Timing Dependent Plasticity. Lecture Notes in Computer Science, 2022, , 153-166.	1.3	0
4087	Deep Reinforcement Learning withÂAaÂClassifier System â€“ First Steps. Lecture Notes in Computer Science, 2022, , 256-270.	1.3	0
4088	Graph Neural Networks for Voltage Stability Margins With Topology Flexibilities. IEEE Open Access Journal of Power and Energy, 2023, 10, 73-85.	3.4	3
4089	Modern Value Based Reinforcement Learning: A Chronological Review. IEEE Access, 2022, 10, 134704-134725.	4.2	1
4090	Robust Dynamic Bus Control: a Distributional Multi-Agent Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 4075-4088.	8.0	0
4091	Bulls-Eye: Active Few-Shot Learning Guided Logic Synthesis. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2023, 42, 2580-2590.	2.7	1
4092	Dynamic Bus Holding Control Using Spatial-Temporal Data â€“ A Deep Reinforcement Learning Approach. Lecture Notes in Computer Science, 2022, , 661-674.	1.3	1
4093	When bioprocess engineering meets machine learning: A survey from the perspective of automated bioprocess development. Biochemical Engineering Journal, 2023, 190, 108764.	3.6	9
4094	Transfer reinforcement learning method with multi-label learning for compound fault recognition. Advanced Engineering Informatics, 2023, 55, 101818.	8.0	8
4095	Applying deep reinforcement learning to the HP model for protein structure prediction. Physica A: Statistical Mechanics and Its Applications, 2023, 609, 128395.	2.6	2

#	ARTICLE	IF	CITATIONS
4096	Exploring the first-move balance point of Go-Moku based on reinforcement learning and Monte Carlo tree search. Knowledge-Based Systems, 2023, 261, 110207.	7.1	2
4097	Artificial intelligence and neuroscience: An update on fascinating relationships. Process Biochemistry, 2023, 125, 113-120.	3.7	2
4098	Physically plausible propeller noise prediction via recursive corrections leveraging prior knowledge and experimental data. Engineering Applications of Artificial Intelligence, 2023, 118, 105660.	8.1	2
4099	Offline reinforcement learning control for electricity and heat coordination in a supercritical CHP unit. Energy, 2023, 266, 126485.	8.8	8
4100	From Design to Deployment of Zero Touch Deep Reinforcement Learning WLANs. IEEE Communications Magazine, 2023, 61, 104-109.	6.1	1
4101	Robust Decision Making for Autonomous Vehicles at Highway On-Ramps: A Constrained Adversarial Reinforcement Learning Approach. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 4103-4113.	8.0	21
4102	Multi-Agent Reinforcement Learning-Based Coordinated Dynamic Task Allocation for Heterogenous UAVs. IEEE Transactions on Vehicular Technology, 2023, 72, 4372-4383.	6.3	5
4103	A Joint Operation Simulation Environment for Reinforcement Learning. Communications in Computer and Information Science, 2022, , 561-572.	0.5	0
4104	Enhancing Cooperation of Vehicle Merging Control in Heavy Traffic Using Communication-Based Soft Actor-Critic Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 6491-6506.	8.0	2
4105	Fully Automated Design Method Based on Reinforcement Learning and Surrogate Modeling for Antenna Array Decoupling. IEEE Transactions on Antennas and Propagation, 2023, 71, 660-671.	5.1	15
4106	Closing the Planning Learning Loop With Application to Autonomous Driving. IEEE Transactions on Robotics, 2023, 39, 998-1011.	10.3	3
4107	Efficient Deep Reinforcement Learning-Enabled Recommendation. IEEE Transactions on Network Science and Engineering, 2023, 10, 871-886.	6.4	2
4108	Intelligent Decision-Making and Human Language Communication Based on Deep Reinforcement Learning in a Wargame Environment. IEEE Transactions on Human-Machine Systems, 2023, 53, 201-214.	3.5	7
4109	The Feasibility of Deep Counterfactual Regret Minimisation for Trading Card Games. Lecture Notes in Computer Science, 2022, , 145-160.	1.3	0
4110	Deep Learning in Automatic Math Word Problem Solvers. , 2023, , 233-246.		2
4111	Dynamic Target Following Control for Autonomous Vehicles with Deep Reinforcement Learning. , 2022, , .		1
4112	Monte Carlo Tree Search: A Survey of Theories and Applications. , 2022, , .		0
4113	Information Entropy of Uncertainty Control: An Uncertainty Management Method in Imperfect Information Games. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
4114	Introduction to Optimal Control and Reinforcement Learning. Control Engineering, 2023, , 1-25.	0.3	0
4115	Turbo AI, Part IV: Estimating Uplink Channels for Ultra High Mobility with Sparse Pilots. , 2022, , .		0
4116	The Impact of Action in Visual Representation Learning. , 2022, , .		0
4117	Deep Q-learning Sampling Based on Advantages. , 2022, , .		0
4118	Access Point Clustering in Cell-Free Massive MIMO Using Multi-Agent Reinforcement Learning. , 2022, , .		1
4119	An asymptotically optimal public parking lot location algorithm based on intuitive reasoning. Intelligent and Converged Networks, 2022, 3, 260-270.	4.8	0
4120	Exploring Deep Reinforcement Learning for Battling in Collectible Card Games. , 2022, , .		0
4121	Physics-Aware Differentiable Discrete Codesign for Diffractive Optical Neural Networks. , 2022, , .		3
4122	Virtual Skinner Box for the Test of Operant Conditioning. , 2022, , .		0
4123	Play with Emotion: Affect-Driven Reinforcement Learning. , 2022, , .		2
4124	Towards High-Quality CGRA Mapping with Graph Neural Networks and Reinforcement Learning. , 2022, , .		2
4125	Approximating functions with multi-features by deep convolutional neural networks. Analysis and Applications, 2023, 21, 93-125.	2.2	16
4126	Regret Analysis for RL using Renewal Bandit Feedback. , 2022, , .		0
4127	Using Artificial Intelligence for Drug Discovery: A Bibliometric Study and Future Research Agenda. Pharmaceuticals, 2022, 15, 1492.	3.8	4
4128	Brain-Derived 3D NanoPhotonic-NanoElectronic Neuromorphic Computing. , 2022, , .		0
4129	Optimizing communication in deep reinforcement learning with <i>XingTian</i> . , 2022, , .		1
4130	Receding-Horizon Control of Constrained Switched Systems with Neural Networks as Parametric Function Approximators. SN Computer Science, 2023, 4, .	3.6	0
4131	Relative stability toward diffeomorphisms indicates performance in deep nets*. Journal of Statistical Mechanics: Theory and Experiment, 2022, 2022, 114013.	2.3	1

#	ARTICLE	IF	CITATIONS
4132	Flow calibration method for gas-liquid two-phase flow of Coriolis flowmeter based on LSTM. Journal of Physics: Conference Series, 2022, 2369, 012031.	0.4	0
4133	Preparing for the next pandemic: Simulation-based deep reinforcement learning to discover and test multimodal control of systemic inflammation using repurposed immunomodulatory agents. Frontiers in Immunology, 0, 13, .	4.8	2
4134	Model-free self-triggered control based on deep reinforcement learning for unknown nonlinear systems. International Journal of Robust and Nonlinear Control, 2023, 33, 2238-2250.	3.7	4
4135	Accelerated motional cooling with deep reinforcement learning. Physical Review Research, 2022, 4, .	3.6	2
4136	Reinforcement Learning and Graph Neural Networks for Designing Novel Drugs with Optimized Affinity: Application to SARS-CoV-2. , 2022, , .		0
4137	Path Planning of Cleaning Robot with Reinforcement Learning. , 2022, , .		6
4138	End-to-end Reinforcement Learning of Robotic Manipulation with Robust Keypoints Representation. , 2022, , .		3
4139	Mastering the game of Stratego with model-free multiagent reinforcement learning. Science, 2022, 378, 990-996.	12.6	36
4140	AlphaStar: an integrated application of reinforcement learning algorithms. , 2022, , .		1
4141	A reinforcement learning approach based on convolutional network for dynamic service function chain embedding in IoT. International Journal of Communication Systems, 0, , .	2.5	0
4142	Artificial Intelligence and Advanced Materials. Advanced Materials, 2023, 35, .	21.0	10
4143	Fast Analysis of Multi-Asteroid Exploration Mission Using Multiple Electric Sails. Journal of Guidance, Control, and Dynamics, 2023, 46, 1015-1022.	2.8	4
4144	Hierarchical multi-agent reinforcement learning for multi-aircraft close-range air combat. IET Control Theory and Applications, 2023, 17, 1840-1862.	2.1	2
4145	Policy decision of curling in real competition scenes. Complex & Intelligent Systems, 0, , .	6.5	0
4146	Q-learning-based practical disturbance compensation control for hypersonic flight vehicle. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002211402.	1.3	0
4147	The natural growth history of persistent pulmonary subsolid nodules: Radiology, genetics, and clinical management. Frontiers in Oncology, 0, 12, .	2.8	1
4148	Recent Advances in Artificial Intelligence and Tactical Autonomy: Current Status, Challenges, and Perspectives. Sensors, 2022, 22, 9916.	3.8	4
4149	Controlling chaotic itinerancy in laser dynamics for reinforcement learning. Science Advances, 2022, 8, .	10.3	10

#	ARTICLE	IF	CITATIONS
4150	Human-level play in the game of <i>Diplomacy</i> by combining language models with strategic reasoning. Science, 2022, 378, 1067-1074.	12.6	42
4151	The randomized measurement toolbox. Nature Reviews Physics, 2023, 5, 9-24.	26.6	60
4152	Constrained optimization for stratified treatment rules in reducing hospital readmission rates of diabetic patients. European Journal of Operational Research, 2023, 308, 1355-1364.	5.7	3
4153	Importance of prefrontal meta control in human-like reinforcement learning. Frontiers in Computational Neuroscience, 0, 16, .	2.1	0
4154	Technology as (Dis-)Enchantment. AlphaGo and the Meaning-Making of Artificial Intelligence. Cultural Sociology, 2024, 18, 24-47.	1.3	3
4155	Machine Learning Method for Fatigue Strength Prediction of Nickel-Based Superalloy with Various Influencing Factors. Materials, 2023, 16, 46.	2.9	2
4156	A review on COLREGs-compliant navigation of autonomous surface vehicles: From traditional to learning-based approaches. , 2022, 1, 100003.		3
4157	Artificial intelligence meets radar resource management: A comprehensive background and literature review. IET Radar, Sonar and Navigation, 0, , .	1.8	0
4158	A Review of Deep Reinforcement Learning Approaches for Smart Manufacturing in Industry 4.0 and 5.0 Framework. Applied Sciences (Switzerland), 2022, 12, 12377.	2.5	16
4159	Scaling Up Bayesian Uncertainty Quantification for Inverse Problems Using Deep Neural Networks. SIAM-ASA Journal on Uncertainty Quantification, 2022, 10, 1684-1713.	2.0	6
4160	Eleven quick tips for data cleaning and feature engineering. PLoS Computational Biology, 2022, 18, e1010718.	3.2	13
4161	A Data-Efficient Training Method for Deep Reinforcement Learning. Electronics (Switzerland), 2022, 11, 4205.	3.1	0
4162	The Modern Mathematics of Deep Learning. , 2022, , 1-111.		21
4163	Introduction of Deep Learning Approaches in Plant Omics Research. , 2022, , 217-223.		0
4164	A stable actor-critic algorithm for solving robotic tasks with multiple constraints. Frontiers of Computer Science, 2023, 17, .	2.4	0
4165	Metaverse: A Solution to the Multi-Agent Value Alignment Problem. Journal of Artificial Intelligence and Consciousness, 2022, 09, 297-307.	1.2	2
4166	Supervised actor-critic reinforcement learning with action feedback for algorithmic trading. Applied Intelligence, 2023, 53, 16875-16892.	5.3	2
4167	Towards New Generation, Biologically Plausible Deep Neural Network Learning. Sci, 2022, 4, 46.	3.0	0

#	ARTICLE	IF	CITATIONS
4168	Search and learning for unsupervised text generation. AI Magazine, 2022, 43, 344-352.	1.6	0
4169	Quantifying the effect of feedback frequency in interactive reinforcement learning for robotic tasks. Neural Computing and Applications, 0, , .	5.6	0
4170	Guest Editorial Special Issue on User Experience of AI in Games. IEEE Transactions on Games, 2022, 14, 539-542.	1.4	0
4171	An Adaptive Updating Method of Target Network Based on Moment Estimates for Deep Reinforcement Learning. Neural Processing Letters, 0, , .	3.2	0
4174	HW-ADAM: FPGA-Based Accelerator for Adaptive Moment Estimation. Electronics (Switzerland), 2023, 12, 263.	3.1	1
4175	Will and Discernment. Law, Governance and Technology Series, 2023, , 37-52.	0.4	0
4176	Multi-Agent Deep Reinforcement Learning Based Resource Allocation for Ultra-Reliable Low-Latency Internet of Controllable Things. IEEE Transactions on Wireless Communications, 2023, 22, 5414-5430.	9.2	4
4177	Interpretable Learned Emergent Communication for Human-Agent Teams. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 1801-1811.	3.8	2
4178	An Overview of In Vitro Biological Neural Networks for Robot Intelligence. Cyborg and Bionic Systems, 2023, 4, .	7.9	11
4179	An Evolutionary Framework for Modelling Unknown Behaviours of Other Agents. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 1276-1289.	4.9	0
4180	A Study of Federated Learning with Internet of Things for Data Privacy and Security using Privacy Preserving Techniques. Recent Patents on Engineering, 2023, 17, .	0.4	0
4181	Artificial intelligence applicated in gastric cancer: A bibliometric and visual analysis via CiteSpace. Frontiers in Oncology, 0, 12, .	2.8	4
4182	Replacing Method for Multi-Agent Crowd Simulation by Convolutional Neural Network. Lecture Notes in Computer Science, 2023, , 16-27.	1.3	0
4183	Adaptive Traffic Signal Control using Deep Q Learning: Case Study on Optimal Implementations. Canadian Journal of Civil Engineering, 0, , .	1.3	0
4184	Ge-Ga-Sb<...>. Science China Materials, 2023, 66, 1551-1558. 6.3		5
4185	Comparative Study of Cooperative Platoon Merging Control Based on Reinforcement Learning. Sensors, 2023, 23, 990.	3.8	2
4186	Knowledge- and ambiguity-aware robot learning from corrective and evaluative feedback. Neural Computing and Applications, 2023, 35, 16821-16839.	5.6	5
4187	Artificial Open World for Evaluating AGI: A Conceptual Design. Lecture Notes in Computer Science, 2023, , 452-463.	1.3	0

#	ARTICLE	IF	CITATION
4188	On the Feasibility Guarantees of Deep Reinforcement Learning Solutions for Distribution System Operation. IEEE Transactions on Smart Grid, 2023, 14, 954-964.	9.0	6
4189	Machine Learning Strategy for Subgrid Modeling of Turbulent Combustion Using Linear Eddy Mixing Based Tabulation. Lecture Notes in Energy, 2023, , 175-208.	0.3	1
4190	Statistical Hypothesis Testing Based on Machine Learning: Large Deviations Analysis. IEEE Open Journal of Signal Processing, 2022, 3, 464-495.	3.5	5
4191	RLQ: Workload Allocation With Reinforcement Learning in Distributed Queues. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 856-868.	5.6	3
4192	Model-based Reinforcement Learning: A Survey. Foundations and Trends in Machine Learning, 2023, 16, 1-118.	69.0	76
4193	Deep reinforcement learning empowers automated inverse design and optimization of photonic crystals for nanoscale laser cavities. Nanophotonics, 2023, 12, 319-334.	6.0	9
4194	Toward the third generation artificial intelligence. Science China Information Sciences, 2023, 66, .	4.3	28
4195	Artificial Intelligence Application in Demand Response: Advantages, Issues, Status, and Challenges. IEEE Access, 2023, 11, 16907-16922.	4.2	6
4196	AI in Human-computer Gaming: Techniques, Challenges and Opportunities. , 2023, 20, 299-317.		4
4197	Solving Full $N \times N$ Rubik's Supercube Using Genetic Algorithm. International Journal of Computer Games Technology, 2023, 2023, 1-14.	2.5	0
4198	Reinforcement learning in medical image analysis: Concepts, applications, challenges, and future directions. Journal of Applied Clinical Medical Physics, 2023, 24, .	1.9	10
4199	Uncertainty, Evidence, and the Integration of Machine Learning into Medical Practice. Journal of Medicine and Philosophy, 2023, 48, 84-97.	0.8	3
4200	Ethics and governance of trustworthy medical artificial intelligence. BMC Medical Informatics and Decision Making, 2023, 23, .	3.0	51
4201	Dual-Track Lifelong Machine Learning-Based Fine-Grained Product Quality Analysis. Applied Sciences (Switzerland), 2023, 13, 1241.	2.5	1
4202	Artificial Intelligence and Legal Subjectivity. Law, Governance and Technology Series, 2023, , 13-35.	0.4	1
4203	Topology Derivation of Multiport DC-DC Converters Based on Reinforcement Learning. IEEE Transactions on Power Electronics, 2023, 38, 5055-5064.	7.9	3
4204	Sample Complexity and Overparameterization Bounds for Temporal Difference Learning with Neural Network Approximation. IEEE Transactions on Automatic Control, 2023, , 1-16.	5.7	1
4205	A policy optimization algorithm based on sample adaptive reuse and dual-clipping for robotic action control. Applied Soft Computing Journal, 2023, 134, 109967.	7.2	1

#	ARTICLE	IF	CITATIONS
4206	Assessing operational accuracy of CNN-based image classifiers using an oracle surrogate. Intelligent Systems With Applications, 2023, 17, 200172.	3.0	2
4207	Obstacle avoidance for environmentally-driven USVs based on deep reinforcement learning in large-scale uncertain environments. Ocean Engineering, 2023, 270, 113670.	4.3	7
4208	Deep reinforcement learning towards real-world dynamic thermal management of data centers. Applied Energy, 2023, 333, 120561.	10.1	6
4209	Estimating divergent forest carbon stocks and sinks via a knife set approach. Journal of Environmental Management, 2023, 330, 117114.	7.8	4
4210	Extracting tactics learned from self-play in general games. Information Sciences, 2023, 624, 277-298.	6.9	1
4211	An optimized optical diffractive deep neural network with OReLU function based on genetic algorithm. Optics and Laser Technology, 2023, 160, 109104.	4.6	6
4212	A review on reinforcement learning for contact-rich robotic manipulation tasks. Robotics and Computer-Integrated Manufacturing, 2023, 81, 102517.	9.9	16
4213	A deep reinforcement learning method for structural dominant failure modes searching based on self-play strategy. Reliability Engineering and System Safety, 2023, 233, 109093.	8.9	4
4214	The Use of Artificial Intelligence in Juridical Activities. Actual Problems of Russian Law, 2023, 17, 25-38.	0.4	0
4215	Graph-based Reinforcement Learning meets Mixed Integer Programs: An application to 3D robot assembly discovery. , 2022, , .		4
4216	Learning Skills to Navigate without a Master: A Sequential Multi-Policy Reinforcement Learning Algorithm. , 2022, , .		2
4217	Cola-HRL: Continuous-Lattice Hierarchical Reinforcement Learning for Autonomous Driving. , 2022, , .		1
4218	Assembly Planning from Observations under Physical Constraints. , 2022, , .		0
4219	RECCraft System: Towards Reliable and Efficient Collective Robotic Construction. , 2022, , .		1
4220	SNSE: State Novelty Sampling Exploration. , 2022, , .		0
4221	Tetris: A Heuristic Static Memory Management Framework for Uniform Memory Multicore Neural Network Accelerators. Journal of Computer Science and Technology, 2022, 37, 1255-1270.	1.5	0
4222	Swing Up and Balance of an Inverted Pendulum Using Reinforced Learning Approach Coupled With a Proportional-Integral-Derivative Controller. , 2022, , .		3
4223	Improved Robustness of Reinforcement Learning Based on Uncertainty and Disturbance Estimator. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
4224	Physics-informed Unsupervised Deep Learning Framework for Solving Full-Wave Inverse Scattering Problems. , 2022, , .		1
4225	Artificial Intelligence for Clinical Research in Voice Disease. Journal of the Korean Society of Laryngology Phoniatrics and Logopedics, 2022, 33, 142-155.	0.1	1
4227	Reinforcement Learning with Unbiased Policy Evaluation and Linear Function Approximation. , 2022, , .		1
4228	Twin attentive deep reinforcement learning for multi-agent defensive convoy. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
4229	Neural Information Squeezer for Causal Emergence. Entropy, 2023, 25, 26.	2.2	6
4230	Meta-learning with Hopfield Neural Network. , 2022, , .		1
4231	Multiple Subgoals-guided Hierarchical Learning in Robot Navigation. , 2022, , .		0
4232	Assessment of Deep Neural Network and Gradient Boosting Machines for Credit Risk Prediction Accuracy. , 2022, , .		1
4234	How are policy gradient methods affected by the limits of control?. , 2022, , .		4
4235	I Shop Therefore I Am: The Artificial Consumer. Journal of Artificial Intelligence and Consciousness, 0, , 1-22.	1.2	0
4236	Robot Online 3D Bin Packing Strategy Based on Deep Reinforcement Learning and 3D Vision. , 2022, , .		6
4237	Towards Improving Exploration in Self-Imitation Learning using Intrinsic Motivation. , 2022, , .		1
4238	An Efficient Dynamic Sampling Policy for Monte Carlo Tree Search. , 2022, , .		2
4239	Towards Deadlock Handling with Machine Learning in a Simulation-Based Learning Environment. , 2022, , .		2
4240	Bandit neural architecture search based on performance evaluation for operation selection. Science China Technological Sciences, 2023, 66, 481-488.	4.0	2
4241	Modern Spacecraft GNC. , 2023, , 819-981.		0
4242	Advanced Reinforcement Learning and Its Connections with Brain Neuroscience. Research, 2023, 6, 0064.	5.7	1
4243	Mastering Trustful Artificial Intelligence. CSR, Sustainability, Ethics & Governance, 2023, , 133-158.	0.3	0

#	ARTICLE	IF	CITATIONS
4244	Learning to Play <i>Koi-Koi</i> Hanafuda Card Games With Transformers. IEEE Transactions on Artificial Intelligence, 2023, 4, 1449-1460.	4.7	0
4245	A Privacy Protection Framework for Medical Image Security without Key Dependency Based on Visual Cryptography and Trusted Computing. Computational Intelligence and Neuroscience, 2023, 2023, 1-11.	1.7	5
4246	Systems Theoretic Process Analysis of a Run Time Assured Neural Network Control System. , 2023, , .		2
4247	Insights into the Application of Machine Learning in Reservoir Engineering: Current Developments and Future Trends. Energies, 2023, 16, 1392.	3.1	6
4248	FBCF: A Fuzzy-Based Brake-Assisting Control Function for Rail Vehicles Using Type-1 and Type-2 Fuzzy Inference Models. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 423-431.	0.7	0
4249	Statistical Modeling: The Three Cultures. , 2023, 5, .		5
4250	Artificial Intelligence Foundation of Smart Ocean. , 2023, , 1-44.		0
4251	Differential Property Prediction: A Machine Learning Approach to Experimental Design in Advanced Manufacturing. Minerals, Metals and Materials Series, 2023, , 587-595.	0.4	1
4252	The rise of self-driving labs in chemical and materials sciences. , 2023, 2, 483-492.		63
4253	Challenging Machine Learning-Based Clone Detectors via Semantic-Preserving Code Transformations. IEEE Transactions on Software Engineering, 2023, 49, 3052-3070.	5.6	4
4254	No-go theorem and a universal decomposition strategy for quantum channel compilation. Physical Review Research, 2023, 5, .	3.6	0
4255	Twin-Delayed Deep Deterministic Policy Gradient for altitude control of a flying-wing aircraft with an uncertain aerodynamic model. , 2023, , .		1
4256	Nanowire-based integrated photonics for quantum information and quantum sensing. Nanophotonics, 2023, 12, 339-358.	6.0	16
4257	SMT Path Optimization Based on Pointer Network. Lecture Notes in Electrical Engineering, 2023, , 4745-4753.	0.4	0
4258	Identifying Solitary Granulomatous Nodules from Solid Lung Adenocarcinoma: Exploring Robust Image Features with Cross-Domain Transfer Learning. Cancers, 2023, 15, 892.	3.7	7
4259	Tensor networks for unsupervised machine learning. Physical Review E, 2023, 107, .	2.1	2
4260	Tensor Implementation of Monte-Carlo Tree Search for Model-Based Reinforcement Learning. Applied Sciences (Switzerland), 2023, 13, 1406.	2.5	2
4261	Applicability and Trend of the Artificial Intelligence (AI) on Bioenergy Research between 1991–2021: A Bibliometric Analysis. Energies, 2023, 16, 1235.	3.1	2

#	ARTICLE	IF	CITATIONS
4282	Score vs. Winrate in Score-Based Games: which Reward for Reinforcement Learning?. , 2022, , .		0
4283	Reinforcement Learning Models and Algorithms for Diabetes Management. IEEE Access, 2023, 11, 28391-28415.	4.2	4
4284	Background and Related Work. SpringerBriefs in Applied Sciences and Technology, 2023, , 9-27.	0.4	0
4285	Decoupling Optimization for Complex PDN Structures Using Deep Reinforcement Learning. IEEE Transactions on Microwave Theory and Techniques, 2023, 71, 3773-3783.	4.6	3
4286	Reinforcement learning with Gaussian process regression using variational free energy. Journal of Intelligent Systems, 2023, 32, .	1.6	0
4287	Component Extraction for Deep Learning Through Progressive Method. Lecture Notes in Computer Science, 2023, , 268-279.	1.3	0
4288	Augmentation-Assisted Robust Fringe Detection on Unseen Experimental Signals Applied to Optical Feedback Interferometry Using a Deep Network. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	4.7	1
4289	Deleuze and AlphaGo. Deleuze and Guattari Studies, 2023, 17, 27-54.	0.1	0
4290	Soft Actor-Critic-Driven Adaptive Focusing under Obstacles. Materials, 2023, 16, 1366.	2.9	2
4291	The graph structure of two-player games. Scientific Reports, 2023, 13, .	3.3	1
4292	Policy Gradients for Probabilistic Constrained Reinforcement Learning. , 2023, , .		0
4293	The neural architecture of theory-based reinforcement learning. Neuron, 2023, 111, 1331-1344.e8.	8.1	6
4294	Deep Reinforcement Learning-Based Method for Joint Optimization of Mobile Energy Storage Systems and Power Grid with High Renewable Energy Sources. Batteries, 2023, 9, 219.	4.5	3
4295	K-mixup: Data augmentation for offline reinforcement learning using mixup in a Koopman invariant subspace. Expert Systems With Applications, 2023, 225, 120136.	7.6	0
4296	Probe microscopy is all you need [*] . Machine Learning: Science and Technology, 2023, 4, 023001.	5.0	4
4297	Open data and algorithms for open science in AI-driven molecular informatics. Current Opinion in Structural Biology, 2023, 79, 102542.	5.7	5
4298	Survey on AI Sustainability: Emerging Trends on Learning Algorithms and Research Challenges [Review Article]. IEEE Computational Intelligence Magazine, 2023, 18, 60-77.	3.2	1
4299	Artificial intelligence for sustainability: Facilitating sustainable smart product-service systems with computer vision. Journal of Cleaner Production, 2023, 402, 136748.	9.3	10

#	ARTICLE	IF	CITATIONS
4300	Uncertainty maximization in partially observable domains: A cognitive perspective. Neural Networks, 2023, 162, 456-471.	5.9	1
4301	Synchronization of machine learning oscillators in complex networks. Information Sciences, 2023, 630, 74-81.	6.9	5
4302	A path following controller for deep-sea mining vehicles considering slip control and random resistance based on improved deep deterministic policy gradient. Ocean Engineering, 2023, 278, 114069.	4.3	3
4303	Training physics-informed neural networks: One learning to rule them all?. Results in Engineering, 2023, 18, 101023.	5.1	4
4304	Adaptive control of resource flow to optimize construction work and cash flow via online deep reinforcement learning. Automation in Construction, 2023, 150, 104817.	9.8	4
4305	Leveraging transition exploratory bonus for efficient exploration in Hard-Transiting reinforcement learning problems. Future Generation Computer Systems, 2023, 145, 442-453.	7.5	0
4306	Investigating gas furnace control practices with reinforcement learning. International Journal of Heat and Mass Transfer, 2023, 209, 124147.	4.8	0
4307	Multi-scale receptive fields: Graph attention neural network for hyperspectral image classification. Expert Systems With Applications, 2023, 223, 119858.	7.6	29
4308	Implementation of Quantum Deep Reinforcement Learning Using Variational Quantum Circuits. , 2022, , .		2
4309	Intrinsic resistive switching in ultrathin SiOx memristors for neuromorphic inference accelerators. Applied Surface Science, 2023, 625, 157191.	6.1	2
4310	Tractable large-scale deep reinforcement learning. Computer Vision and Image Understanding, 2023, 232, 103689.	4.7	0
4311	Reinforcement Learning Toolkits for Gaming: A Comparative Qualitative Analysis. Journal of Software Engineering and Applications, 2022, 15, 417-435.	1.1	3
4312	Discovering explicit Reynolds-averaged turbulence closures for turbulent separated flows through deep learning-based symbolic regression with non-linear corrections. Physics of Fluids, 2023, 35, .	4.0	4
4313	Deep reinforcement learning for optimal well control in subsurface systems with uncertain geology. Journal of Computational Physics, 2023, 477, 111945.	3.8	6
4314	Deep Reinforcement Learning for Queue-Time Management in Semiconductor Manufacturing. , 2022, , .		0
4315	Customized deep learning for precipitation bias correction and downscaling. Geoscientific Model Development, 2023, 16, 535-556.	3.6	8
4316	Artificial Intelligence Accountability in Emergent Applications. Advances in Computer and Electrical Engineering Book Series, 2023, , 21-41.	0.3	0
4317	On Reducing Adversarial Vulnerability with Data Dependent Stochastic Resonance. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
4318	Rifle Detection and Performance Evaluation Using Deep Learning Frameworks. Advances in Computer and Electrical Engineering Book Series, 2023, , 403-433.	0.3	0
4319	Robust Data Sampling in Machine Learning: A Game-Theoretic Framework for Training and Validation Data Selection. Games, 2023, 14, 13.	0.6	1
4321	Application of Artificial Neural Networks in Automatic Optimum Trajectory Selection for the Hitting Task of a Ping Pong Robot. , 2022, , .		0
4322	Learn to climb: teaching a reinforcement learning agent the single rope ascending technique. , 2022, , .		0
4323	When neuro-robots go wrong: A review. Frontiers in Neurorobotics, 0, 17, .	2.8	1
4324	High-accuracy model-based reinforcement learning, a survey. Artificial Intelligence Review, 2023, 56, 9541-9573.	15.7	6
4325	6G networks for artificial intelligence-enabled smart cities applications: A scoping review. , 2023, 9, 100044.		8
4326	Do Adaptive Active Attacks Pose Greater Risk Than Static Attacks?. , 2023, , .		0
4327	High-dynamic intelligent maneuvering guidance strategy via deep reinforcement learning. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002311556.	1.3	0
4328	Recent Trends in Task and Motion Planning for Robotics: A Survey. ACM Computing Surveys, 2023, 55, 1-36.	23.0	2
4329	Autonomous Underwater Vehicle Based Chemical Plume Tracing via Deep Reinforcement Learning Methods. Journal of Marine Science and Engineering, 2023, 11, 366.	2.6	0
4330	Novel Model-free Optimal Active Vibration Control Strategy Based on Deep Reinforcement Learning. Structural Control and Health Monitoring, 2023, 2023, 1-15.	4.0	2
4331	Interpretations of Innovation: The Role of Technology in Explanation Seeking Related to Psychosis. Perspectives in Psychiatric Care, 2023, 2023, 1-16.	1.9	1
4332	Reinforcement Learning Inspired by Psychology and Neuroscience. , 0, 8, 2164-2170.		0
4333	The cost of passing “ using deep learning AIs to expand our understanding of the ancient game of Go. , 2022, , .		0
4334	Inference and dynamic decision-making for deteriorating systems with probabilistic dependencies through Bayesian networks and deep reinforcement learning. Reliability Engineering and System Safety, 2023, 235, 109144.	8.9	10
4335	Reinforcement learning approach to control an inverted pendulum: A general framework for educational purposes. PLoS ONE, 2023, 18, e0280071.	2.5	8
4336	Information Compression and Performance Evaluation of Tic-Tac-Toe’s Evaluation Function Using Singular Value Decomposition. Journal of the Physical Society of Japan, 2023, 92, .	1.6	0

#	ARTICLE	IF	CITATIONS
4337	A Brief History of Deep Learning-Based Text Generation. , 2022, , .		0
4338	Reviewing Federated Machine Learning and Its Use in Diseases Prediction. Sensors, 2023, 23, 2112.	3.8	20
4339	On the Complexity of Dark Chinese Chess. , 2022, , .		0
4340	Deinterleaving of Radar Pulse Based on Implicit Feature. Journal of Systems Engineering and Electronics, 2023, 34, 1537-1549.	2.2	1
4341	Application of Deep Reinforcement Learning in Guandan Game. , 2022, , .		0
4342	An Auxiliary Decision Method for Playing of the Poker2to1 Agent. , 2022, , .		0
4343	Optimization control for CCS of coal-fired power unit based on reinforcement learning using process data. , 2022, , .		0
4344	Machine learning and deep learningâ€”A review for ecologists. Methods in Ecology and Evolution, 2023, 14, 994-1016.	5.2	44
4345	Computational Thinking inÂ€Economics andÂ€Finance: Introductory Remarks. Understanding Complex Systems, 2023, , 1-12.	0.6	0
4346	On the sample complexity of actor-critic method for reinforcement learning with function approximation. Machine Learning, 2023, 112, 2433-2467.	5.4	12
4347	RL4ReAl: Reinforcement Learning for Register Allocation. , 2023, , .		2
4348	BRGR: Multi-agent cooperative reinforcement learning with bidirectional real-time gain representation. Applied Intelligence, 0, , .	5.3	0
4349	Analyses of Tabular AlphaZero on Strongly-Solved Stochastic Games. IEEE Access, 2023, 11, 18157-18182.	4.2	1
4350	Digital Twin Driven Measurement in Robotic Flexible Printed Circuit Assembly. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-12.	4.7	1
4351	Stock Price Prediction and Recommendation Approach Based on Machine Learning. , 2022, , .		1
4352	Acceleration of Reinforcement Learning for Port-Hamiltonian Systems Using Natural Gradient. Transactions of the Society of Instrument and Control Engineers, 2023, 59, 70-76.	0.2	0
4353	Real-time security margin control using deep reinforcement learning. Energy and AI, 2023, 13, 100244.	10.6	0
4354	Improvement of Reinforcement Learning With Supermodularity. IEEE Transactions on Neural Networks and Learning Systems, 2023, , 1-12.	11.3	0

#	ARTICLE	IF	CITATIONS
4355	Advantage policy update based on proximal policy optimization. , 2023, , .		0
4356	Survey on Machine Learning for Traffic-Driven Service Provisioning in Optical Networks. IEEE Communications Surveys and Tutorials, 2023, 25, 1412-1443.	39.4	11
4357	Data-Centric and Model-Centric AI: Twin Drivers of Compact and Robust Industry 4.0 Solutions. Applied Sciences (Switzerland), 2023, 13, 2753.	2.5	5
4358	Modern Trends in Quantum AI: Distributed and High-Definition Computation. , 2023, , .		1
4359	DeepLBCEPred: A Bi-LSTM and multi-scale CNN-based deep learning method for predicting linear B-cell epitopes. Frontiers in Microbiology, 0, 14, .	3.5	0
4360	Neural Generalized Ordinary Differential Equations with Layer-Varying Parameters. Journal of Data Science, 2024, , 10-24.	0.9	0
4361	A Review ofÂDeep Reinforcement Learning Exploration Methods: Prospects andÂChallenges forÂApplication toÂRobot Attitude Control Tasks. Communications in Computer and Information Science, 2023, , 247-273.	0.5	0
4363	Recent advances in applying deep reinforcement learning for flow control: Perspectives and future directions. Physics of Fluids, 2023, 35, .	4.0	27
4364	Can machine learning solve this one? Clinical pitfalls in surgical outcome prediction. Epilepsia, 2023, 64, 1190-1194.	5.1	0
4366	Improving reinforcement learning algorithms: Towards optimal learning rate policies. Mathematical Finance, 2024, 34, 588-621.	1.8	1
4368	How is Technical Creativity Possible?. , 2023, , 15-25.	0.3	0
4369	Model-Based Deep Learning. Proceedings of the IEEE, 2023, 111, 465-499.	21.3	34
4370	Intelligent System for Countering Groups of Robots Based on Reinforcement Learning Technologies. Smart Innovation, Systems and Technologies, 2023, , 135-146.	0.6	0
4371	Process-Based Crop Modeling for High Applicability with Attention Mechanism and Multitask Decoders. Plant Phenomics, 2023, 5, .	5.9	0
4372	Adversarial Machine Learning: Bayesian Perspectives. Journal of the American Statistical Association, 2023, 118, 2195-2206.	3.1	4
4373	Artificial intelligence and its application for cardiovascular diseases in Chinese medicine. Digital Chinese Medicine, 2022, 5, 367-376.	1.1	2
4374	Sub-network Multi-objective Evolutionary Algorithm for Filter Pruning. , 2022, , .		0
4375	Research on Remote Sensing Retrieval Method of PM2.5 Based on FY-4A Satellite with Multiple Machine Learning Methods. , 2023, 4, 51-57.		0

#	ARTICLE	IF	CITATIONS
4376	Reinforcement Learning-Based Wind Farm Control: Toward Large Farm Applications via Automatic Grouping and Transfer Learning. IEEE Transactions on Industrial Informatics, 2023, 19, 11833-11845.	11.3	2
4377	Deep Intelligence: What AI Should Learn from Nature's Imagination. Cognitive Computation, 0, , .	5.2	0
4378	Policy Optimization Adaptive Dynamic Programming for Optimal Control of Input-Affine Discrete-Time Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 4339-4350.	9.3	4
4379	Role of recommendation sizes and travel involvement in evaluating travel destination recommendation services: comparison between artificial intelligence and travel experts. Journal of Hospitality and Tourism Technology, 2023, 14, 401-415.	3.8	0
4380	Learning Agile, Vision-Based Drone Flight: From Simulation to Reality. Springer Proceedings in Advanced Robotics, 2023, , 11-18.	1.3	0
4381	A Deep Reinforcement Approach for Energy-Efficient Resource Assignment in Cooperative NOMA-Enhanced Cellular Networks. IEEE Internet of Things Journal, 2023, 10, 12690-12702.	8.7	1
4382	Human-machine collaboration for improving semiconductor process development. Nature, 2023, 616, 707-711.	27.8	12
4383	Enhancement of CNN-based 2048 Player with Monte-Carlo Tree Search. , 2022, , .		0
4384	Optimal active particle navigation meets machine learning ^(a). Europhysics Letters, 2023, 142, 17001.	2.0	8
4385	CoBeL-RL: A neuroscience-oriented simulation framework for complex behavior and learning. Frontiers in Neuroinformatics, 0, 17, .	2.5	3
4386	A Brief Tour of Deep Learning from a Statistical Perspective. Annual Review of Statistics and Its Application, 2023, 10, 219-246.	7.0	2
4387	Task Assignment for UAV Swarm Saturation Attack: A Deep Reinforcement Learning Approach. Electronics (Switzerland), 2023, 12, 1292.	3.1	1
4388	6-DOF Reinforcement Learning Control for Multi-rotor and Fixed-Wing Aircrafts. Lecture Notes in Electrical Engineering, 2023, , 562-577.	0.4	0
4389	Side-channel analysis against ANSSI's protected AES implementation on ARM: end-to-end attacks with multi-task learning. Journal of Cryptographic Engineering, 2023, 13, 129-147.	1.8	3
4390	Multi-agent Reinforcement Learning Algorithm Based on Local Information. Lecture Notes in Electrical Engineering, 2023, , 3080-3091.	0.4	1
4391	Flight Control of a Canard Rotor/Wing VTOL Aircraft Based on Reinforcement Learning Under Transition Flight Mode. Lecture Notes in Electrical Engineering, 2023, , 1985-1994.	0.4	0
4392	Enhanced Reinforcement Learning Method Based on AlphaGo-Zero. Lecture Notes in Electrical Engineering, 2023, , 100-110.	0.4	0
4393	State of the Art of Adaptive Dynamic Programming and Reinforcement Learning. , 2022, 1, 93-110.		2

#	ARTICLE	IF	CITATIONS
4394	Enabling Inter-Agent Transfer for Multi-Agent Learning System by Incorporating Role Reversal. , 2022, , .		0
4395	Reinforcement Learning for the Face Support Pressure of Tunnel Boring Machines. Geosciences (Switzerland), 2023, 13, 82.	2.2	3
4396	Superhuman artificial intelligence can improve human decision-making by increasing novelty. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	13
4397	Implicit Solutions of the Electrical Impedance Tomography Inverse Problem in the Continuous Domain with Deep Neural Networks. Entropy, 2023, 25, 493.	2.2	0
4398	Pseudo-model-free hedging for variable annuities via deep reinforcement learning. Annals of Actuarial Science, 2023, 17, 503-546.	1.5	2
4399	Model Selection in Reinforcement Learning with General Function Approximations. Lecture Notes in Computer Science, 2023, , 148-164.	1.3	0
4400	Learning new attack vectors from misuse cases with deep reinforcement learning. Frontiers in Energy Research, 0, 11, .	2.3	1
4401	Single Intersection Traffic Light Control by Multi-agent Reinforcement Learning. Journal of Physics: Conference Series, 2023, 2449, 012031.	0.4	1
4402	Efficient experience replay architecture for offline reinforcement learning. , 2023, 43, 35-43.		3
4403	Optimization of configuration of corrugated airfoil using deep reinforcement learning and transfer learning. AIP Advances, 2023, 13, 035328.	1.3	0
4404	Deep learning representations for quantum many-body systems on heterogeneous hardware. Machine Learning: Science and Technology, 2023, 4, 015035.	5.0	1
4405	All the Microworlds a Stage: Realism in Interactive Fiction and Artificial Intelligence. American Literature; A Journal of Literary History, Criticism and Bibliography, 2023, , .	0.2	0
4406	Introduction to SVM. Industrial and Applied Mathematics, 2023, , 3-18.	0.2	1
4407	Offline RL oriented Functions Design for Dynamic Power Management on CNN Workloads. , 2023, , .		0
4408	Power system intelligent operation knowledge learning model based on reinforcement learning and data-driven. Frontiers in Energy Research, 0, 11, .	2.3	1
4409	A Novel Pointview of Independent and Identically Distributed Random Data In AI Electromagnetics. , 2022, , .		0
4410	An Improved Actor-Critic Method for Auto-Combating In Infantry Vehicles. , 2022, , .		0
4411	Improved Soft Actor-Critic: Reducing Bias and Estimation Error for Fast Learning. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4412	Online Learning-Based Co-Task Scheduling for Minimizing Deadline-Missing Rate in Edge Computing. , 2022, , .		0
4413	Application of DQN-IRL Framework in Doudizhuâ€™s Sparse Reward. Neural Processing Letters, 0, , .	3.2	0
4414	Haxss: Hierarchical Reinforcement Learning for XSS Payload Generation. , 2022, , .		1
4415	Modern Artificial Neural Networks: Is Evolution Cleverer?. Neural Computation, 2023, 35, 763-806.	2.2	7
4416	An ultrafast bipolar flash memory for self-activated in-memory computing. Nature Nanotechnology, 2023, 18, 486-492.	31.5	21
4417	A self-adaptive hardware with resistive switching synapses for experience-based neurocomputing. Nature Communications, 2023, 14, .	12.8	13
4418	Optimizing Cascaded Control of Mechatronic Systems through Constrained Residual Reinforcement Learning. Machines, 2023, 11, 402.	2.2	0
4420	Dense reinforcement learning for safety validation of autonomous vehicles. Nature, 2023, 615, 620-627.	27.8	70
4421	Research and applications of game intelligence. Scientia Sinica Informationis, 2023, 53, 1892.	0.4	2
4422	Safe Reinforcement Learning for LiDAR-based Navigation via Control Barrier Function. , 2022, , .		0
4423	Kick-motion Training with DQN in AI Soccer Environment. , 2023, , .		1
4424	Runtime Assurance for Safety-Critical Systems: An Introduction to Safety Filtering Approaches for Complex Control Systems. IEEE Control Systems, 2023, 43, 28-65.	0.8	12
4425	Advances in flexible sensors for intelligent perception system enhanced by artificial intelligence. InformaÃƒn-MateriÃƒly, 2023, 5, .	17.3	20
4426	AutoCAT: Reinforcement Learning for Automated Exploration of Cache-Timing Attacks. , 2023, , .		2
4427	Informatics colourizes polymers. Nature Reviews Chemistry, 2023, 7, 232-233.	30.2	1
4428	A two-stage RNN-based deep reinforcement learning approach for solving the parallel machine scheduling problem with due dates and family setups. Journal of Intelligent Manufacturing, 2024, 35, 1107-1140.	7.3	2
4429	Enhance pick-and-place performance using multimodal interaction in operation environment. Industrial Robot, 2023, ahead-of-print, .	2.1	0
4430	MLPs: Efficient Training of MiniGo on Large-scale Heterogeneous Computing System. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4431	CH-Go: Online Go System Based on Chunk Data Storage. , 2022, , .		0
4432	Mastering First-person Shooter Game with Imitation Learning. , 2022, , .		0
4433	Quantum architecture search via truly proximal policy optimization. Scientific Reports, 2023, 13, .	3.3	0
4434	Research on turn-based war chess game based on reinforcement learning. , 2023, , .		0
4435	Leveraging deep learning to improve vaccine design. Trends in Immunology, 2023, 44, 333-344.	6.8	3
4436	Instance Weighting Methods. , 2023, , 67-79.		0
4437	Architecture Search forÂDeep Neural Network. Lecture Notes in Computer Science, 2023, , 581-596.	1.3	0
4438	Learning to Drive in the NGSIM Simulator Using Proximal Policy Optimization. Journal of Advanced Transportation, 2023, 2023, 1-12.	1.7	1
4439	Looking Back to the Future: A Glimpse at Twenty Years of Data Science. Data Science Journal, 2023, 22, .	1.3	0
4440	Automatic Label Calibration for Singing Annotation Using Fully Convolutional Neural Network. IEE Transactions on Electrical and Electronic Engineering, 2023, 18, 945-952.	1.4	2
4441	Representational formats of human memory traces. Brain Structure and Function, 0, , .	2.3	4
4442	Level-\$K\$ Reasoning, Deep Reinforcement Learning, and Monte Carlo Decision Process for Fast and Safe Automated Lane Change and Speed Management. IEEE Transactions on Intelligent Vehicles, 2023, 8, 3556-3571.	12.7	0
4443	Adaptive Design of Alloys for CO ₂ Activation and Methanation via Reinforcement Learning Monte Carlo Tree Search Algorithm. Journal of Physical Chemistry Letters, 2023, 14, 3594-3601.	4.6	1
4444	Expressive Elements of Lifelike Machines. International Journal of Social Robotics, 0, , .	4.6	1
4445	Effective Interpretable Policy Distillation via Critical Experience Point Identification. IEEE Intelligent Systems, 2023, , 1-10.	4.0	0
4446	An Intelligent Algorithm for USVs Collision Avoidance Based on Deep Reinforcement Learning Approach with Navigation Characteristics. Journal of Marine Science and Engineering, 2023, 11, 812.	2.6	3
4447	Asymmetric Self-Play-Enabled Intelligent Heterogeneous Multirobot Catching System Using Deep Multiagent Reinforcement Learning. IEEE Transactions on Robotics, 2023, 39, 2603-2622.	10.3	2
4448	Efficient Double Oracle forÂExtensive-Form Two-Player Zero-Sum Games. Lecture Notes in Computer Science, 2023, , 414-424.	1.3	0

#	ARTICLE	IF	CITATIONS
4449	Automated Quantum Circuit Design With Nested Monte Carlo Tree Search. IEEE Transactions on Quantum Engineering, 2023, 4, 1-20.	4.9	2
4450	Cooperation for Scalable Supervision of Autonomy in Mixed Traffic. IEEE Transactions on Robotics, 2023, , 1-19.	10.3	0
4451	Learning by non-interfering feedback chemical signaling in physical networks. Physical Review Research, 2023, 5, .	3.6	3
4452	Deep Reinforcement Learning for Mineral Prospectivity Mapping. Mathematical Geosciences, 2023, 55, 773-797.	2.4	5
4453	Lessons from natural flight for aviation: then, now and tomorrow. Journal of Experimental Biology, 2023, 226, .	1.7	6
4454	Quantum Phase Recognition via Quantum Kernel Methods. Quantum - the Open Journal for Quantum Science, 0, 7, 981.	0.0	7
4455	Coupling of an analytical rolling model and reinforcement learning to design pass schedules: towards properties controlled hot rolling. Journal of Intelligent Manufacturing, 0, , .	7.3	0
4456	An Auxiliary Decision-Making Method for Autonomous Driving via Monte Carlo Tree Search. , 2022, , .		1
4457	Pass Strategy of Robocup Robot System Based on Deep Learning Network. , 2022, , .		1
4458	The Digital Ludeme Project: Combining archaeological and computational methods for the study of ancient board games. Journal of Archaeological Science: Reports, 2023, 49, 104005.	0.5	0
4459	Sample Efficient Reinforcement Learning Using Graph-Based Memory Reconstruction. IEEE Transactions on Artificial Intelligence, 2024, 5, 751-762.	4.7	0
4460	A Survey on Reinforcement Learning Methods in Bionic Underwater Robots. Biomimetics, 2023, 8, 168.	3.3	3
4461	Top-down design of protein architectures with reinforcement learning. Science, 2023, 380, 266-273.	12.6	31
4462	The Hidden Rules of Hanabi: How Humans Outperform AI Agents. , 2023, , .		1
4463	Risk-aware controller for autonomous vehicles using model-based collision prediction and reinforcement learning. Artificial Intelligence, 2023, 320, 103923.	5.8	3
4464	Joint Multi-Objective Optimization for Radio Access Network Slicing Using Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2023, 72, 11828-11843.	6.3	4
4468	Cognitive Modeling in Social Simulation. , 2023, , 1064-1087.		0
4469	Data intelligence for molecular science. Chinese Science Bulletin, 2023, , .	0.7	1

#	ARTICLE	IF	CITATIONS
4470	Improving trajectory calculations by FLEXPART 10.4+ using single-image super-resolution. Geoscientific Model Development, 2023, 16, 2181-2192.	3.6	1
4471	Towards rigorous understanding of neural networks via semantics-preserving transformations. International Journal on Software Tools for Technology Transfer, 0, , .	1.9	4
4475	System-level Performance of Mos2Synaptic Transistors in MLP and DNN Architectures. , 2023, , .		0
4476	MetaRL-SE: a few-shot speech enhancement method based on meta-reinforcement learning. Multimedia Tools and Applications, 0, , .	3.9	0
4477	Savonius wind turbine blade design and performance evaluation using ANN-based virtual clone: A new approach. Heliyon, 2023, 9, e15672.	3.2	1
4478	Membership Inference Attacks Against Temporally Correlated Data in Deep Reinforcement Learning. IEEE Access, 2023, 11, 42796-42808.	4.2	0
4479	Leveraging physiology and artificial intelligence to deliver advancements in health care. Physiological Reviews, 2023, 103, 2423-2450.	28.8	7
4480	Semantic Path Planning for Indoor Navigation Tasks Using Multi-View Context and Prior Knowledge. IEICE Transactions on Information and Systems, 2023, E106.D, 756-764.	0.7	0
4482	Reduction of Overhead for Protocols with Remote Memory Properties. Lecture Notes in Networks and Systems, 2023, , 213-231.	0.7	0
4483	Towards Systematically Engineering Autonomous Systems Using Reinforcement Learning and Planning. Lecture Notes in Computer Science, 2023, , 281-306.	1.3	2
4484	Research on Lightweight Algorithms for Deep Reinforcement Learning. Computer Science and Application, 2023, 13, 779-788.	0.1	0
4485	Real-time fast learning hardware implementation. International Journal for Simulation and Multidisciplinary Design Optimization, 2023, 14, 1.	1.1	0
4486	Approximation Error Back-Propagation for Q-Function in Scalable Reinforcement Learning with Tree Dependence Structure. , 2023, , .		0
4487	AI Value Alignment Problem: The Clear and Present Danger. , 2023, , .		0
4488	A Hybrid Quantum-Classical Algorithm for Underwater Target Classification. Quantum Engineering, 2023, 2023, 1-7.	2.5	0
4489	Adversarial competition and collusion in algorithmic markets. Nature Machine Intelligence, 2023, 5, 497-504.	16.0	1
4490	Forecasting in financial accounting with artificial intelligence â€“ A systematic literature review and future research agenda. Journal of Applied Accounting Research, 2024, 25, 81-104.	3.4	2
4491	HRL4EC: Hierarchical reinforcement learning for multi-mode epidemic control. Information Sciences, 2023, 640, 119065.	6.9	1

#	ARTICLE	IF	CITATIONS
4492	Lane-changing trajectory prediction based on multi-task learning. Transportation Safety and Environment, 0, , .	2.1	0
4493	Optimal strategy of the simultaneous dice game Pig for multiplayer: when reinforcement learning meets game theory. Scientific Reports, 2023, 13, .	3.3	1
4494	Breaking the traditional: a survey of algorithmic mechanism design applied to economic and complex environments. Neural Computing and Applications, 0, , .	5.6	0
4495	A deep reinforcement learning hyper-heuristic with feature fusion for online packing problems. Expert Systems With Applications, 2023, 230, 120568.	7.6	6
4496	The role of machine learning in perovskite solar cell research. Journal of Alloys and Compounds, 2023, 960, 170824.	5.5	5
4497	Introduction to Machine Learning: Definitions and Hybrid Imaging Applications. , 2022, , 13-27.		1
4500	Easily Scalable Photonic Tensor Core Based on Tunable Units with Single Internal Phase Shifters. Laser and Photonics Reviews, 2023, 17, .	8.7	5
4501	A New Approach in Discrete Event System by Deep Monte Carlo Tree Search. , 2023, , .		0
4502	Optimizing traffic efficiency via a reinforcement learning approach based on time allocation. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
4503	Concept-Based Modeling as a Method Combining Digital and Analogue Means for Problem-Solving. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2023, , 22-37.	0.3	0
4504	Artificial Intelligence in Microbiology. , 2023, , 93-109.		0
4505	Alâ«â,â,â,â,â,f¼âf~â,¹â,â,âf«â®â¼ çj'ã•â¿fç†â®ÿé“â«â,â,ââ®è©•â¾¼¡. The Journal of the Society for Art and Science, 2022, 21, 123-131.		0
4506	Toward a Theoretical Foundation of Policy Optimization for Learning Control Policies. Annual Review of Control, Robotics, and Autonomous Systems, 2023, 6, 123-158.	11.8	11
4507	Big Data in Earth system science and progress towards a digital twin. Nature Reviews Earth & Environment, 2023, 4, 319-332.	29.7	29
4508	Swarm Intelligence in Cooperative Environments: n-Step Dynamic Tree Search Algorithm Overview. Journal of Aerospace Computing, Information, and Communication, 2023, 20, 418-425.	0.8	1
4509	Semiconductor Multilayer Nanometrology with Machine Learning. Nanomanufacturing and Metrology, 2023, 6, .	3.0	4
4510	ARLPE: A meta reinforcement learning framework for glucose regulation in type 1 diabetics. Expert Systems With Applications, 2023, 228, 120156.	7.6	1
4511	A Hierarchical Deep Reinforcement Learning Framework for 6-DOF UCAV Air-to-Air Combat. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 5417-5429.	9.3	6

#	ARTICLE	IF	CITATIONS
4513	MER: Modular Element Randomization for robust generalizable policy in deep reinforcement learning. Knowledge-Based Systems, 2023, 273, 110613.	7.1	0
4514	Learning to Infer Unseen Single-/Multi-Attribute-Object Compositions With Graph Networks. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, , 1-16.	13.9	0
4515	Artificial Intelligence Technologies in Cardiology. Journal of Cardiovascular Development and Disease, 2023, 10, 202.	1.6	4
4516	Suppressing Uncommanded Roll-Yaw Motion by Jet Flow Control Based on Reinforcement Learning. International Journal of Aerospace Engineering, 2023, 2023, 1-8.	0.9	0
4517	Spatial state-action features for general games. Artificial Intelligence, 2023, 321, 103937.	5.8	0
4518	Observation Strategy Optimization for Distributed Telescope Arrays with Deep Reinforcement Learning. Astronomical Journal, 2023, 165, 233.	4.7	2
4519	The Professional <i>Go</i> Annotation Dataset. IEEE Transactions on Games, 2023, 15, 517-526.	1.4	0
4520	Uncertainties in Onboard Algorithms for Autonomous Vehicles: Challenges, Mitigation, and Perspectives. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8963-8987.	8.0	12
4521	AlphaZero-like baselines for imperfect information games are surprisingly strong. Frontiers in Artificial Intelligence, 0, 6, .	3.4	1
4522	Multi-agent Adversarial Reinforcement Learning Algorithm Based on Reward Query Attention Mechanism. Communications in Computer and Information Science, 2023, , 492-501.	0.5	0
4523	A fast spatio-temporal temperature predictor for vacuum assisted resin infusion molding process based on deep machine learning modeling. Journal of Intelligent Manufacturing, 2024, 35, 1737-1764.	7.3	1
4524	Time-Frequency Warped Waveforms for Well-Contained Massive Machine Type Communications. IEEE Journal on Selected Areas in Communications, 2023, 41, 1900-1917.	14.0	1
4525	Automated scholarly paper review: Concepts, technologies, and challenges. Information Fusion, 2023, 98, 101830.	19.1	3
4526	ARLO: An asynchronous update reinforcement learning-based offloading algorithm for mobile edge computing. Peer-to-Peer Networking and Applications, 2023, 16, 1468-1480.	3.9	0
4527	An efficient evolutionary algorithm based on deep reinforcement learning for large-scale sparse multiobjective optimization. Applied Intelligence, 0, , .	5.3	0
4528	Review of Deep Reinforcement Learning and Its Application in Modern Renewable Power System Control. Energies, 2023, 16, 4143.	3.1	2
4529	Comparing NARS and Reinforcement Learning: An Analysis of AONA and AQ-Learning Algorithms. Lecture Notes in Computer Science, 2023, , 21-31.	1.3	0
4530	The Survey of Self-play Method in Computer Games. Communications in Computer and Information Science, 2023, , 129-138.	0.5	0

#	ARTICLE	IF	CITATIONS
4531	How to Improve the Quality of Academic Conversations with the Help of Human-Computer Interaction System. Communications in Computer and Information Science, 2023, , 211-223.	0.5	0
4532	Batch Monte Carlo Tree Search. Lecture Notes in Computer Science, 2023, , 146-162.	1.3	1
4533	From StarCraft II to Military Combat. , 2022, , .		0
4534	Reinforcement learning algorithms: A brief survey. Expert Systems With Applications, 2023, 231, 120495.	7.6	15
4535	Cognitive Computing and System Analysis of Seven Times Pass Method Applications and Its Significance. Communications in Computer and Information Science, 2023, , 176-185.	0.5	0
4536	Outlearning extortioners: unbending strategies can foster reciprocal fairness and cooperation. , 2023, 2, .		5
4537	Fighting human hubris: Intelligence in nonhuman animals and artefacts. Ethics and Bioethics (in) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	0.4	0
4538	Precise chirp control with model-based reinforcement learning for broadband frequency-swept laser of LiDAR. Optics Express, 2023, 31, 20286.	3.4	1
4539	Adaptive Online Neural Predictive Control of Hydraulic Actuator Using FPGA Acceleration. IEEE Transactions on Industrial Electronics, 2023, , 1-10.	7.9	0
4540	Model-Based Policy Synthesis and Test-Case Generation for Autonomous Systems. , 2023, , .		1
4541	Imperfect-Information Game AI Agent Based on Reinforcement Learning Using Tree Search and a Deep Neural Network. Electronics (Switzerland), 2023, 12, 2453.	3.1	1
4542	Game Theory Optimization Based on Python: Evidence from Board Game “Go-Moku”, 0, 49, 287-293.		0
4543	Deep-reinforcement-learning-based Primary Frequency Regulation Control for Hybrid Renewable Power System. , 2023, , .		0
4544	GCN-based Reinforcement Learning Approach forÂScheduling DAG Applications. IFIP Advances in Information and Communication Technology, 2023, , 121-134.	0.7	0
4545	Introduction: The Difference Between Knowing and Learning. SpringerBriefs in Philosophy, 2023, , 1-7.	0.4	0
4546	Geometry and convergence of natural policy gradient methods. Information Geometry, 2024, 7, 485-523.	1.2	0
4547	Dynamic Resource Partitioning for Multi-Tenant Systolic Array Based DNN Accelerator. , 2023, , .		1
4548	Reinforcement learning for energy-efficient control of parallel and identical machines. CIRP Journal of Manufacturing Science and Technology, 2023, 44, 91-103.	4.5	1

#	ARTICLE	IF	CITATIONS
4549	Fast Predictive Artificial Neural Network Model Based on Multi-fidelity Sampling of Computational Fluid Dynamics Simulation. Lecture Notes in Electrical Engineering, 2023, , 103-116.	0.4	0
4550	Uncertainty Quantification of Ride Comfort Based on gPC Framework for a Fully Coupled Humanâ€“Vehicle Model. Applied Sciences (Switzerland), 2023, 13, 6785.	2.5	0
4551	APPRAISER: DNN Fault Resilience Analysis Employing Approximation Errors. , 2023, , .		1
4552	Image adaptive sampling using reinforcement learning. Multimedia Tools and Applications, 2024, 83, 5511-5530.	3.9	0
4553	Reinforcement Learning in Few-Shot Scenarios: A Survey. Journal of Grid Computing, 2023, 21, .	3.9	0
4554	Access Point Clustering in Cell-Free Massive MIMO Using Conventional and Federated Multi-Agent Reinforcement Learning. , 2023, 1, 107-123.		0
4555	Bottom-Up and Top-Down Approaches for the Design of Neuromorphic Processing Systems: Tradeoffs and Synergies Between Natural and Artificial Intelligence. Proceedings of the IEEE, 2023, 111, 623-652.	21.3	7
4556	Applications, challenges, and solutions to single- and multi-objective critical node detection problems: a survey. Journal of Supercomputing, 2023, 79, 19770-19808.	3.6	3
4557	Deep reinforcement learning for a multi-objective operation in a nuclear power plant. Nuclear Engineering and Technology, 2023, 55, 3277-3290.	2.3	3
4558	Recent advances in deep learning enabled approaches for identification of molecules of therapeutics relevance. , 2023, , 503-518.		0
4559	WILDetect: An intelligent platform to perform airborne wildlife census automatically in the marine ecosystem using an ensemble of learning techniques and computer vision. Expert Systems With Applications, 2023, 231, 120574.	7.6	5
4560	Hierarchical path planner for unknown space exploration using reinforcement learning-based intelligent frontier selection. Expert Systems With Applications, 2023, 230, 120630.	7.6	1
4561	Modelâ€“based offline reinforcement learning for sustainable fishery management. Expert Systems, 0, , .	4.5	0
4562	Car-Following Models for Human-Driven Vehicles and Autonomous Vehicles: A Systematic Review. Journal of Transportation Engineering Part A: Systems, 2023, 149, .	1.4	5
4563	Optimal Multi-impulse Linear Rendezvous via Reinforcement Learning. Space: Science & Technology, 2023, 3, .	2.5	1
4564	MERLIN: Multi-agent offline and transfer learning for occupant-centric operation of grid-interactive communities. Applied Energy, 2023, 346, 121323.	10.1	8
4565	Why Deep Learningâ€™s Performance Data Are Misleading. , 2023, , .		2
4566	Subgrid modeling using deep neural networks for simulation of smooth and rough turbulent channel flows. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
4567	$\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \text{ altimg}=\text{"si144.svg"} \text{ display}=\text{"inline"} \text{ id}=\text{"d1e549"} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle V\text{-learning: An adaptive reinforcement learning algorithm for the optimal stopping problem. Expert Systems With Applications, 2023, 231, 120702.}$	7.6	0
4568	Retrosynthetic planning with experience-guided Monte Carlo tree search. Communications Chemistry, 2023, 6, .	4.5	3
4569	Predictive hierarchical reinforcement learning for path-efficient mapless navigation with moving target. Neural Networks, 2023, 165, 677-688.	5.9	1
4571	A neural machine code and programming framework for the reservoir computer. Nature Machine Intelligence, 2023, 5, 622-630.	16.0	4
4572	Reinforcement Learning With Non-Cumulative Objective. , 2023, 1, 124-137.		1
4573	Artificial Intelligence and Deep Learning in Civil Engineering. Studies in Systems, Decision and Control, 2023, , 265-288.	1.0	2
4574	Understanding the Way Machines Simulate Hydrological Processesâ€”A Case Study of Predicting Fine-Scale Watershed Response on a Distributed Framework. IEEE Transactions on Geoscience and Remote Sensing, 2023, 61, 1-18.	6.3	1
4575	Graph neural networks-based scheduler for production planning problems using reinforcement learning. Journal of Manufacturing Systems, 2023, 69, 91-102.	13.9	3
4576	An Enhanced AI-Based Vehicular Driver Support System Considering Hyperparameter Optimization. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 1-7.	0.7	2
4577	Neurodynamics Adaptive Reward and Action for Hand-to-Eye Calibration With Deep Reinforcement Learning. IEEE Access, 2023, 11, 60292-60304.	4.2	0
4578	RM-FSP: Regret minimization optimizes neural fictitious self-play. Neurocomputing, 2023, 549, 126471.	5.9	0
4579	Reinforcement Learning Agents Playing Ticket to Rideâ€”A Complex Imperfect Information Board Game With Delayed Rewards. IEEE Access, 2023, 11, 60737-60757.	4.2	0
4580	A reinforcement learning approach to airfoil shape optimization. Scientific Reports, 2023, 13, .	3.3	6
4581	Control of Uncertain Systems. Springer Handbooks, 2023, , 189-204.	0.6	0
4582	Anti-Bandit for Neural Architecture Search. International Journal of Computer Vision, 0, , .	15.6	0
4583	Progress in Bioinspired Photodetectors Design for Visual Information Processing. Advanced Functional Materials, 2023, 33, .	14.9	2
4584	Deep Reinforcement Learning for Online Resource Allocation in IoT Networks: Technology, Development, and Future Challenges. IEEE Communications Magazine, 2023, 61, 111-117.	6.1	1
4585	Learning Network Decisions. Synthesis Lectures on Learning Networks and Algorithms, 2023, , 25-68.	0.7	0

#	ARTICLE	IF	CITATIONS
4586	Distributed randomized multiagent policy iteration in reinforcement learning. Results in Control and Optimization, 2023, 12, 100255.	2.3	0
4587	Legal Means of Providing the Principle of Transparency of the Artificial Intelligence. , 2023, 1, 337-358.		3
4588	Neural network ansatz for periodic wave functions and the homogeneous electron gas. Physical Review B, 2023, 107, .	3.2	14
4589	åÿ°ä°Žæ±° ä¸ä¸çš„èé,å°”å...%å¸æ¸æ¸”ç”©¶èå¸å¸å¸æ¸. Zhongguo Jiguang/Chinese Journal of Lasers, 2023, 50, 1101003.		0
4590	ç¥žç»1/2‘ç»æ¸”è¶...å¸«å...%å¸ä¸çš„,å°”ç””. Zhongguo Jiguang/Chinese Journal of Lasers, 2023, 50, 1101003.	1.2	0
4591	Hedging using reinforcement learning: Contextual k-armed bandit versus Q-learning. Journal of Finance and Data Science, 2023, 9, 100101.	3.2	2
4592	The design and implementation of a distributed agricultural service system for smallholder farmers in China. International Journal of Agricultural Sustainability, 2023, 21, .	3.5	3
4593	SENECA: building a fully digital neuromorphic processor, design trade-offs and challenges. Frontiers in Neuroscience, 0, 17, .	2.8	0
4594	Speech Act Theory and Ethics of Speech Processing as Distinct Stages: the ethics of collecting, contextualizing and the releasing of (speech) data. , 2023, , .		1
4595	A simulation framework for telescope array and its application in distributed reinforcement learning-based scheduling of telescope arrays. Astronomy and Computing, 2023, , 100732.	1.7	0
4596	Denoising Noisy Neural Networks: A Bayesian Approach With Compensation. IEEE Transactions on Signal Processing, 2023, 71, 2460-2474.	5.3	0
4597	Powered Landing Control of Reusable Rockets Based on Softmax Double DDPG. Aerospace, 2023, 10, 590.	2.2	0
4598	Deep Learning Enables Instant and Versatile Estimation of Rice Yield Using Ground-Based RGB Images. Plant Phenomics, 2023, 5, .	5.9	2
4599	Imitation Learning for Financial Applications. , 2023, , .		0
4600	The anticipatory paradigm. AI Magazine, 2023, 44, 133-143.	1.6	0
4601	Deep Reinforcement Learning. , 2023, , 389-433.		0
4602	Disclosing the interactive mechanism behind scientistsâ€™ topic selection behavior from the perspective of the productivity and the impact. Journal of Informetrics, 2023, 17, 101409.	2.9	2
4603	Impact of loss functions on the performance of a deep neural network designed to restore low-dose digital mammography. Artificial Intelligence in Medicine, 2023, 142, 102555.	6.5	1

#	ARTICLE	IF	CITATIONS
4605	Do we really need a new theory to understand over-parameterization?. Neurocomputing, 2023, 543, 126227.	5.9	1
4606	Digital Transformation in Contemporary Organizations. Advances in Environmental Engineering and Green Technologies Book Series, 2023, , 64-87.	0.4	0
4607	Official International Mahjong: A New Playground for AI Research. Algorithms, 2023, 16, 235.	2.1	2
4608	Policy transfer of reinforcement learning-based flow control: From two- to three-dimensional environment. Physics of Fluids, 2023, 35, .	4.0	2
4609	Machine learning in cardiology: Clinical application and basic research. Journal of Cardiology, 2023, 82, 128-133.	1.9	6
4610	A Novel Discrete Differential Evolution with Varying Variables for the Deficiency Number of Mahjong Hand. Mathematics, 2023, 11, 2135.	2.2	2
4611	Quantum Deep Recurrent Reinforcement Learning. , 2023, , .		3
4612	A reinforcement learning algorithm acquires demonstration from the training agent by dividing the task space. Neural Networks, 2023, 164, 419-427.	5.9	0
4613	An accelerated end-to-end method for solving routing problems. Neural Networks, 2023, 164, 535-545.	5.9	2
4614	Insulator detection using small samples based on YOLOv5 in natural background. Multimedia Tools and Applications, 0, , .	3.9	1
4615	Turbine blade optimization considering smoothness of the Mach number using deep reinforcement learning. Information Sciences, 2023, 642, 119066.	6.9	0
4616	Deep Reinforcement Learning-Based Spatiotemporal Decision of Utility-Scale Highway Portable Energy Storage Systems. IEEE Transactions on Industry Applications, 2024, 60, 966-975.	4.9	0
4617	A Survey on Population-Based Deep Reinforcement Learning. Mathematics, 2023, 11, 2234.	2.2	1
4618	Design of experiments for the calibration of history-dependent models via deep reinforcement learning and an enhanced Kalman filter. Computational Mechanics, 2023, 72, 95-124.	4.0	4
4619	Solving the train dispatching problem via deep reinforcement learning. Journal of Rail Transport Planning and Management, 2023, 26, 100394.	1.4	1
4620	Reconstructing the Photoacoustic Image with High Quality using the Deep Neural Network Model. Contrast Media and Molecular Imaging, 2023, 2023, 1-13.	0.8	0
4621	Improve generalization of driving policy at signalized intersections with adversarial learning. Transportation Research Part C: Emerging Technologies, 2023, 152, 104161.	7.6	1
4622	Online Reinforcement Learning for Autonomous Sensor Control. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
4623	Heterogeneous Quasi-Continuous Spiking Cortical Model for Pulse Shape Discrimination. Electronics (Switzerland), 2023, 12, 2234.	3.1	0
4624	Virtual Commissioning Simulation as OpenAI Gym - A Reinforcement Learning Environment for Control Systems. , 2022, , .		1
4625	Algorithms to estimate Shapley value feature attributions. Nature Machine Intelligence, 2023, 5, 590-601.	16.0	23
4626	Research in computing-intensive simulations for nature-oriented civil-engineering and related scientific fields, using machine learning and big data: an overview of open problems. Journal of Big Data, 2023, 10, .	11.0	5
4627	Potential of Machine Learning Algorithms in Material Science: Predictions in Design, Properties, and Applications of Novel Functional Materials. , 2023, , 75-94.		0
4628	Towards Transparent Cheat Detection in Online Chess: An Application of Human and Computer Decision-Making Preferences. Lecture Notes in Computer Science, 2023, , 163-180.	1.3	0
4629	â€œGongzhuâ€•Strategy Based on Convolutional Neural Network. Communications in Computer and Information Science, 2023, , 117-128.	0.5	0
4630	Improving Search in Go Using Bounded Static Safety. Lecture Notes in Computer Science, 2023, , 14-23.	1.3	0
4631	Distributional and hierarchical reinforcement learning for physical systems with noisy state observations and exogenous perturbations. Engineering Applications of Artificial Intelligence, 2023, 123, 106465.	8.1	0
4632	Modelling & Optimization of Signals Using Machine Learning Techniques. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 477-494.	0.7	0
4633	Artificial Intelligence and Its Role In The Development Of Personalized Medicine And Drug Control. Wasit Journal of Computer and Mathematics Science, 2022, 1, 126-133.	0.9	1
4634	Portfolio Management Problem Based on Deep Reinforcement Learning. Operations Research and Fuzziology, 2023, 13, 1427-1441.	0.1	0
4635	RECC: A Relationship-Enhanced Content Caching Algorithm Using Deep Reinforcement Learning. , 2022, , .		0
4636	Policy ensemble gradient for continuous control problems in deep reinforcement learning. Neurocomputing, 2023, 548, 126381.	5.9	0
4637	Designing a Biped Robot's Gait using Reinforcement Learning's -Actor Critic Method. , 2023, , .		1
4638	A General Paradigm of Knowledge-driven and Data-driven Fusion. , 2023, , .		0
4639	Automated Design of Broadband Folded-Waveguide Slow-Wave Structures for Traveling-Wave Tubes via Deep Reinforcement Learning. IEEE Transactions on Electron Devices, 2023, 70, 3899-3907.	3.0	0
4640	Attention-Based Mechanisms for Cognitive Reinforcement Learning. Applied Sciences (Switzerland), 2023, 13, 7361.	2.5	0

#	ARTICLE	IF	CITATIONS
4641	An integrated and cooperative architecture for multi-intersection traffic signal control. , 2023, 2, 150-163.		0
4642	Priority-based Task Scheduling in Dynamic Environments for Cognitive MFR via Transfer DRL. , 2023, , .		0
4643	Distributed Randomized Multiagent Policy Iteration in Reinforcement Learning. SSRN Electronic Journal, 0, , .	0.4	0
4644	Erklärbarkeit als Schlüssel für den verantwortungsvollen Umgang mit KI. , 2023, , 83-117.		0
4645	Reinforcement Learning for Intelligent Healthcare Systems: A Review of Challenges, Applications, and Open Research Issues. IEEE Internet of Things Journal, 2023, 10, 21982-22007.	8.7	1
4646	Target-driven multi-input mapless robot navigation with deep reinforcement learning. Journal of Physics: Conference Series, 2023, 2513, 012004.	0.4	0
4647	Memristive circuit design of mood-dependent memory with learning curve. AEU - International Journal of Electronics and Communications, 2023, 170, 154801.	2.9	0
4648	OAT: An Optimized Android Testing Framework Based on Reinforcement Learning. Lecture Notes in Computer Science, 2023, , 38-58.	1.3	0
4649	Deep Reinforcement Learning for Large-Scale Inventory Management. SSRN Electronic Journal, 0, , .	0.4	0
4650	A comprehensive review of machine learning and IoT solutions for demand side energy management, conservation, and resilient operation. Energy, 2023, 281, 128256.	8.8	5
4651	Coordinated Variable Speed Limit Control for Consecutive Bottlenecks on Freeways Using Multiagent Reinforcement Learning. Journal of Advanced Transportation, 2023, 2023, 1-19.	1.7	2
4652	Strengthening Network Slicing for Industrial Internet with Deep Reinforcement Learning. Digital Communications and Networks, 2023, , .	5.0	0
4653	Multiple Self-Supervised Auxiliary Tasks for Target-Driven Visual Navigation Using Deep Reinforcement Learning. Entropy, 2023, 25, 1007.	2.2	0
4654	Methods of Machine Learning. Advanced Technologies and Societal Change, 2023, , 41-49.	0.9	1
4655	Autonomous Navigation of the UAV through Deep Reinforcement Learning with Sensor Perception Enhancement. Mathematical Problems in Engineering, 2023, 2023, 1-11.	1.1	1
4656	Multi-Agent Cooperative Attacker-Defender-Target Task Decision Based on PF-MADDPG. , 2023, , .		0
4657	Deep Learning Augmented Risk-Based Auditing. SSRN Electronic Journal, 0, , .	0.4	0
4658	An Adaptive Threshold for the Canny Edge With Actor-Critic Algorithm. IEEE Access, 2023, 11, 67058-67069.	4.2	1

#	ARTICLE	IF	CITATIONS
4659	Enhanced deep soft interference cancellation for multiuser symbol detection. ETRI Journal, 2023, 45, 929-938.	2.0	0
4660	GAN-Based Interactive Reinforcement Learning from Demonstration and Human Evaluative Feedback. , 2023, , .		0
4661	Transfer Learning in Deep Reinforcement Learning: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2023, 45, 13344-13362.	13.9	40
4662	Achieving High Core Neuron Density in a Neuromorphic Chip Through Trade-Off Among Area, Power Consumption, and Data Access Bandwidth. IEEE Transactions on Biomedical Circuits and Systems, 2023, , 1-13.	4.0	0
4663	Deep quantum neural networks on a superconducting processor. Nature Communications, 2023, 14, .	12.8	3
4664	Mixture of personality improved spiking actor network for efficient multi-agent cooperation. Frontiers in Neuroscience, 0, 17, .	2.8	0
4665	A self-learning Monte Carlo tree search algorithm for robot path planning. Frontiers in Neurorobotics, 0, 17, .	2.8	1
4666	The cost of passing - using deep learning AIs to expand our understanding of the ancient game of Go. International Journal of Networking and Computing, 2023, 13, 258-272.	0.4	0
4667	Energy-efficient control of indoor PM2.5 and thermal comfort in a real room using deep reinforcement learning. Energy and Buildings, 2023, 295, 113340.	6.7	2
4668	Enhancing Fault Resilience of QNNs by Selective Neuron Splitting. , 2023, , .		0
4669	Seed Selection for Testing Deep Neural Networks. ACM Transactions on Software Engineering and Methodology, 2024, 33, 1-33.	6.0	0
4670	Autonomous target tracking of multi-UAV: A two-stage deep reinforcement learning approach with expert experience. Applied Soft Computing Journal, 2023, 145, 110604.	7.2	3
4671	Deep Reinforcement Learning to Solve Stochastic Vehicle Routing Problems. Lecture Notes in Networks and Systems, 2023, , 283-295.	0.7	0
4672	Gym-preCICE: Reinforcement learning environments for active flow control. SoftwareX, 2023, 23, 101446.	2.6	0
4673	A review of the application of hybrid machine learning models to improve rainfall prediction. Modeling Earth Systems and Environment, 2024, 10, 19-44.	3.4	0
4674	Proof of the Theory-to-Practice Gap in Deep Learning via Sampling Complexity bounds for Neural Network Approximation Spaces. Foundations of Computational Mathematics, 0, , .	2.5	1
4675	Iterative Assessment and Improvement of DNN Operational Accuracy. , 2023, , .		1
4676	DSMC Evaluation Stages: Fostering Robust and Safe Behavior in Deep Reinforcement Learning “Extended Version. ACM Transactions on Modeling and Computer Simulation, 2023, 33, 1-28.	0.8	1

#	ARTICLE	IF	CITATIONS
4677	harDNNing: a machine-learning-based framework for fault tolerance assessment and protection of DNNs. , 2023, , .		0
4678	Deep Reinforcement Learning-Based Holding Control for Bus Bunching under Stochastic Travel Time and Demand. Sustainability, 2023, 15, 10947.	3.2	1
4679	Efficient CNN based detection of diabetic retinopathy. AIP Conference Proceedings, 2023, , .	0.4	0
4680	Reliability Assurance for Deep Neural Network Architectures Against Numerical Defects. , 2023, , .		0
4681	Artificial Intelligence and Democracy: A Conceptual Framework. Social Media and Society, 2023, 9, .	3.0	6
4682	Single-pixel image reconstruction using coherent nonlinear optics. Optics Letters, 2023, 48, 4320.	3.3	0
4683	Parallel Bootstrap-Based On-Policy Deep Reinforcement Learning for Continuous Fluid Flow Control Applications. Fluids, 2023, 8, 208.	1.7	0
4684	Autonomous Driving Based on Approximate Safe Action. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 14320-14328.	8.0	0
4685	A deep reinforcement learning method to control chaos synchronization between two identical chaotic systems. Chaos, Solitons and Fractals, 2023, 174, 113809.	5.1	3
4686	Quantum reinforcement learning via policy iteration. Quantum Machine Intelligence, 2023, 5, .	4.8	3
4687	How Good is Neural Combinatorial Optimization? A Systematic Evaluation on the Traveling Salesman Problem. IEEE Computational Intelligence Magazine, 2023, 18, 14-28.	3.2	3
4688	DeepQPrep: Neural Network Augmented Search for Quantum State Preparation. IEEE Access, 2023, 11, 76388-76402.	4.2	1
4689	Towards sample efficient deep reinforcement learning in collectible card games. Entertainment Computing, 2023, 47, 100594.	2.9	0
4690	Perspectives on adaptive dynamical systems. Chaos, 2023, 33, .	2.5	9
4691	Byzantine-Resilient Learning Beyond Gradients: Distributing Evolutionary Search. , 2023, , .		0
4692	Deep Learning and Adjoint Method Accelerated Inverse Design in Photonics: A Review. Photonics, 2023, 10, 852.	2.0	2
4693	Generating synthetic multidimensional molecular time series data for machine learning: considerations. Frontiers in Systems Biology, 0, 3, .	0.7	3
4694	Stock Trading Strategy Developing Based on Reinforcement Learning. , 2023, , 156-164.		0

#	ARTICLE	IF	CITATIONS
4695	Application of Deep Learning Methods in Sports and Health Field. Advances in Applied Mathematics, 2023, 12, 3327-3337.	0.1	0
4696	Improving Causal Learning Scalability and Performance using Aggregates and Interventions. ACM Transactions on Autonomous and Adaptive Systems, 2023, 18, 1-18.	0.8	0
4697	Artificial Intelligence's Grand Challenges: Past, Present, and Future. AI Magazine, 2021, 42, 61-75.	1.6	1
4698	Discovering Editing Rules by Deep Reinforcement Learning. , 2023, , .		0
4699	â†—Prox: Differentiable Proximal Algorithm Modeling for Large-Scale Optimization. ACM Transactions on Graphics, 2023, 42, 1-19.	7.2	1
4700	Structured Matrices and Their Application in Neural Networks: A Survey. New Generation Computing, 0, , .	3.3	0
4701	Deep Bribe: Predicting the Rise of Bribery in Blockchain Mining with Deep RL. , 2023, , .		0
4702	Cooperative Reinforcement Learning-based Damping of Lane-Change-Induced Waves. , 2023, , .		0
4703	Human achievement and artificial intelligence. Ethics and Information Technology, 2023, 25, .	3.8	0
4704	Digitale Innovation und Digitale Business-Transformation im Zeitalter des digitalen Wandels. , 2023, , 1-14.		0
4705	RELDEC: Reinforcement Learning-Based Decoding of Moderate Length LDPC Codes. IEEE Transactions on Communications, 2023, 71, 5661-5674.	7.8	0
4706	Machine learningâ€”based estimation method for the mechanical response of composite cellular structures. Polymer Testing, 2023, 126, 108161.	4.8	0
4707	Off-Policy Reinforcement Learning with Loss Function Weighted by Temporal Difference Error. Lecture Notes in Computer Science, 2023, , 600-613.	1.3	0
4708	Emergence ofÂCollaborative Hunting viaÂMulti-Agent Deep Reinforcement Learning. Lecture Notes in Computer Science, 2023, , 210-224.	1.3	0
4709	Ironies of artificial intelligence. Ergonomics, 2023, 66, 1656-1668.	2.1	5
4710	Neural-network-based parameter tuning for multi-agent simulation using deep reinforcement learning. World Wide Web, 0, , .	4.0	0
4711	SFC Orchestration Method for Edge Cloud and Central Cloud Collaboration: QoS and Energy Consumption Joint Optimization Combined With Reputation Assessment. IEEE Transactions on Parallel and Distributed Systems, 2023, 34, 2735-2748.	5.6	0
4712	Computational Social Psychology. Annual Review of Psychology, 2024, 75, 625-652.	17.7	1

#	ARTICLE	IF	CITATIONS
4713	Deep Offline Reinforcement Learning for Real-world Treatment Optimization Applications. , 2023, , .		1
4714	Machine learning-based inverse design methods considering data characteristics and design space size in materials design and manufacturing: a review. Materials Horizons, 2023, 10, 5436-5456.	12.2	2
4715	Learning to Schedule in Diffusion Probabilistic Models. , 2023, , .		1
4716	Reinforcement Learning for Financial Index Tracking. SSRN Electronic Journal, 0, , .	0.4	0
4717	Solving Challenging Control Problems via Learning-based Motion Planning and Imitation. , 2023, , .		0
4719	Alien coding. International Journal of Approximate Reasoning, 2023, 162, 109009.	3.3	0
4720	Recent Applications and Future Research. , 2023, , 79-85.		0
4721	Zwischen Präzision und Sensitivität. Medienpädagogik, 0, 54, 1-27.	0.3	2
4722	Automated gadget discovery in the quantum domain. Machine Learning: Science and Technology, 0, , .	5.0	0
4723	Dueling DQN-Rollout for Collision Avoidance Path Planning with Vehicle Speed Location. , 2023, , .		0
4724	Introduction to Deep Learning. , 2023, , 301-338.		0
4725	Optimized Feature Extraction for Sample Efficient Deep Reinforcement Learning. Electronics (Switzerland), 2023, 12, 3508.	3.1	0
4726	Reinforcement Learning for Data Science. , 2023, , 537-557.		0
4727	Reinforcement Learning Approach to Stochastic Vehicle Routing Problem With Correlated Demands. IEEE Access, 2023, 11, 87958-87969.	4.2	0
4728	A General Unbiased Training Framework for Deep Reinforcement Learning. Lecture Notes in Networks and Systems, 2023, , 746-760.	0.7	0
4729	Low-Cost Model-Free Deep Reinforcement Learning on Continuous Control. Lecture Notes in Networks and Systems, 2023, , 728-745.	0.7	0
4730	Face Detection and Managing Attendance by Using Raspberry Pi. Lecture Notes in Electrical Engineering, 2023, , 343-352.	0.4	0
4731	Modularity in Deep Learning: A Survey. Lecture Notes in Networks and Systems, 2023, , 561-595.	0.7	0

#	ARTICLE	IF	CITATIONS
4732	Boundary between noise and information applied to filtering neural network weight matrices. Physical Review E, 2023, 108, .	2.1	1
4733	Satisficing Paths and Independent Multiagent Reinforcement Learning in Stochastic Games. SIAM Journal on Mathematics of Data Science, 2023, 5, 745-773.	1.8	3
4734	From Machine Learning to Artificial General Intelligence: A Roadmap and Implications. , 0, , 81-91.		3
4735	Development of deep convolutional neural network for prediction of cycle maximum pin power peaking factor in pressurized water reactor. Annals of Nuclear Energy, 2023, 194, 110083.	1.8	1
4736	Reinforcement Learning-based Autonomous Sensor Control via Simultaneous Learning of Policies and State-Action Spaces. , 2023, , .		0
4737	Neural production networks: AI's infrastructural geographies. The Environment and Planning F, Philosophy, Models, Methods and Practice, 0, , .	1.4	4
4738	Digital Twin of Interwoven Urban Systems: A New Approach to Future Resilient and Sustainable Cities. Applied Sciences (Switzerland), 2023, 13, 9696.	2.5	0
4739	Monte-Carlo Tree Search for Multi-agent Pathfinding: Preliminary Results. Lecture Notes in Computer Science, 2023, , 649-660.	1.3	0
4740	Plasticity mechanism and memory formation in the chemical synapse. Nonlinear Dynamics, 2023, 111, 19411-19423.	5.2	2
4741	Distributed Multi-agent Target Search and Tracking With Gaussian Process and Reinforcement Learning. International Journal of Control, Automation and Systems, 2023, 21, 3057-3067.	2.7	0
4742	Automated clash resolution for reinforcement steel design in precast concrete wall panels via generative adversarial network and reinforcement learning. Advanced Engineering Informatics, 2023, 58, 102131.	8.0	2
4743	Convolutional Neural Networks to Assist the Assessment of Lattice Parameters from X-ray Powder Diffraction. Journal of Physical Chemistry A, 0, , .	2.5	0
4744	Champion-level drone racing using deep reinforcement learning. Nature, 2023, 620, 982-987.	27.8	24
4745	Drone-racing champions outpaced by AI. Nature, 2023, 620, 952-954.	27.8	0
4746	Hierarchical growth in neural networks structure: Organizing inputs by Order of Hierarchical Complexity. PLoS ONE, 2023, 18, e0290743.	2.5	1
4747	Asynchronous training of quantum reinforcement learning. Procedia Computer Science, 2023, 222, 321-330.	2.0	2
4748	Explainable production planning under partial observability in high-precision manufacturing. Journal of Manufacturing Systems, 2023, 70, 514-524.	13.9	0
4749	Efficient Training of Football Agents Using Multi-agent Competition. Lecture Notes in Networks and Systems, 2023, , 472-492.	0.7	0

#	ARTICLE	IF	CITATIONS
4750	Hyperparameter Selection in Reinforcement Learning Using the “Design of Experiments” Method. <i>Procedia Computer Science</i> , 2023, 222, 11-24.	2.0	0
4751	Action-Evolution Petri Nets: A Framework for Modeling and Solving Dynamic Task Assignment Problems. <i>Lecture Notes in Computer Science</i> , 2023, , 216-231.	1.3	0
4752	Explanation Paradigms Leveraging Analytic Intuition (ExPLAIN). <i>International Journal on Software Tools for Technology Transfer</i> , 0, , .	1.9	0
4753	Spatial planning of urban communities via deep reinforcement learning. <i>Nature Computational Science</i> , 2023, 3, 748-762.	8.0	5
4754	Reinforcement Learning in Education: A Literature Review. <i>Informatics</i> , 2023, 10, 74.	3.9	1
4755	Scientific discovery in the age of artificial intelligence. <i>Nature</i> , 2023, 620, 47-60.	27.8	113
4756	Model-free optimization of power/efficiency tradeoffs in quantum thermal machines using reinforcement learning. , 2023, 2, .		2
4757	From Brain Models to Robotic Embodied Cognition: How Does Biological Plausibility Inform Neuromorphic Systems?. <i>Brain Sciences</i> , 2023, 13, 1316.	2.3	2
4758	Morphing aircraft acceleration and deceleration task morphing strategy using a reinforcement learning method. <i>Applied Intelligence</i> , 2023, 53, 26637-26654.	5.3	0
4759	AI-enabled organoids: Construction, analysis, and application. <i>Bioactive Materials</i> , 2024, 31, 525-548.	15.6	3
4760	Self-play reinforcement learning guides protein engineering. <i>Nature Machine Intelligence</i> , 2023, 5, 845-860.	16.0	4
4761	General theory of data, artificial intelligence and governance. <i>Humanities and Social Sciences Communications</i> , 2023, 10, .	2.9	0
4762	Deep Reinforcement Learning for Smart Grid Operations: Algorithms, Applications, and Prospects. <i>Proceedings of the IEEE</i> , 2023, 111, 1055-1096.	21.3	3
4763	Reinforcement learning and mixed-integer programming for power plant scheduling in low carbon systems: Comparison and hybridisation. <i>Applied Energy</i> , 2023, 349, 121659.	10.1	0
4764	Exploring the ability of machine learning-based virtual screening models to identify the functional groups responsible for binding. <i>Journal of Cheminformatics</i> , 2023, 15, .	6.1	0
4765	Harnessing deep learning for population genetic inference. <i>Nature Reviews Genetics</i> , 2024, 25, 61-78.	16.3	2
4766	Machine learning assisted intelligent design of meta structures: a review. , 0, 3, .		2
4767	Federated Learning Support for Cybersecurity: Fundamentals, Applications, and Opportunities. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
4768	The DL Advocate: playing the devil's advocate with hidden systematic uncertainties. European Physical Journal C, 2023, 83, .	3.9	0
4769	Optimization Ways in Neural Network Compression. Procedia Computer Science, 2023, 221, 1351-1357.	2.0	0
4770	Finite-time convergence rates of distributed local stochastic approximation. Automatica, 2023, 158, 111294.	5.0	0
4771	Recent advances in deep learning for retrosynthesis. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2024, 14, .	14.6	1
4772	Bidirectionally self-normalizing neural networks. Neural Networks, 2023, 167, 283-291.	5.9	0
4773	Offline Deep Reinforcement Learning and Off-Policy Evaluation for Personalized Basal Insulin Control in Type 1 Diabetes. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 5087-5098.	6.3	1
4774	On the Value of Chess Squares. Entropy, 2023, 25, 1374.	2.2	0
4775	Hierarchical Reinforcement Learning Framework in Geographic Coordination for Air Combat Tactical Pursuit. Entropy, 2023, 25, 1409.	2.2	0
4776	Toward personalized decision making for autonomous vehicles: A constrained multi-objective reinforcement learning technique. Transportation Research Part C: Emerging Technologies, 2023, 156, 104352.	7.6	2
4777	Applying Reinforcement Learning to Option Pricing and Hedging. SSRN Electronic Journal, 0, , .	0.4	0
4778	Kinetics-constrained neural ordinary differential equations: Artificial neural network models tailored for small data to boost kinetic model development. Chemical Engineering Journal, 2023, 477, 146869.	12.7	2
4779	Machine Learning Approaches for Stem Cells. Current Stem Cell Reports, 2023, 9, 43-56.	1.6	1
4781	Inactive Region Filling Method for Efficient Compression Using Reinforcement Learning. IEEE Access, 2023, 11, 74136-74147.	4.2	0
4782	Autonomous Maneuver Decision-Making Through Curriculum Learning and Reinforcement Learning With Sparse Rewards. IEEE Access, 2023, 11, 73543-73555.	4.2	1
4783	Antenna Placement Optimization for Distributed MIMO Radar Based on a Reinforcement Learning Algorithm. Scientific Reports, 2023, 13, .	3.3	1
4784	Challenges and Trends of Machine Learning in the Myoelectric Control System for Upper Limb Exoskeletons and Exosuits. Artificial Intelligence, 0, , .	2.3	0
4785	Artificial Intelligence - an agenda for management sciences. E-mentor, 2023, 99, 47-55.	0.3	0
4786	SEVDA: Singular Value Decomposition Based Parallel Write Scheme for Memristive CNN Accelerators. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4787	Autonomous Systems and Moral De-Skilling: Beyond Good and Evil in the Emergent Battlespaces of the Twenty-First Century. Journal of Military Ethics, 2023, 22, 51-71.	0.4	0
4788	Learning reward machines: A study in partially observable reinforcement learning. Artificial Intelligence, 2023, 323, 103989.	5.8	1
4789	Evolving Constrained Reinforcement Learning Policy. , 2023, , .		0
4790	Homeostatic Reinforcement Learning through Soft Behavior Switching with Internal Body State. , 2023, , .		0
4791	Learning Superior Cooperative Policy in Adversarial Multi-Team Reinforcement Learning. , 2023, , .		0
4792	Graphical representation and hierarchical decomposition mechanism for vertex-cover solution space. Applied Mathematics and Computation, 2023, 458, 128264.	2.2	0
4793	FastAct: A Lightweight Actor Compression Framework for Fast Policy Learning. , 2023, , .		0
4794	Hardware-Based Noisy Deep Q-Networks Using Low-Frequency Noise of Synaptic Devices for Efficient Exploration. IEEE Electron Device Letters, 2023, 44, 1571-1574.	3.9	0
4795	The Significance of Artificial Intelligence in the Second Scientific Revolution - A Review. , 2023, , .		0
4796	Elastic step DDPG: Multi-step reinforcement learning for improved sample efficiency. , 2023, , .		0
4797	Road Planning for Slums via Deep Reinforcement Learning. , 2023, , .		0
4798	A survey on Evolutionary Reinforcement Learning algorithms. Neurocomputing, 2023, 556, 126628.	5.9	4
4799	Multi-actor mechanism for actor-critic reinforcement learning. Information Sciences, 2023, 647, 119494.	6.9	1
4800	Model-Based Predictive Control and Reinforcement Learning for Planning Vehicle-Parking Trajectories for Vertical Parking Spaces. Sensors, 2023, 23, 7124.	3.8	2
4801	Scheduling Real-time Wireless Traffic: A Network-aided Offline Reinforcement Learning Approach. IEEE Internet of Things Journal, 2023, , 1-1.	8.7	0
4802	Deep Reinforcement Learning Processor Design for Mobile Applications. , 2023, , 1-93.		0
4803	RARMSDdou: Master the Game of DouDiZhu With Deep Reinforcement Learning Algorithms. IEEE Transactions on Emerging Topics in Computational Intelligence, 2024, 8, 427-439.	4.9	0
4804	Making Corgis Important for Honeycomb Classification: Adversarial Attacks on Concept-based Explainability Tools. , 2023, , .		1

#	ARTICLE	IF	CITATIONS
4805	MURM: Utilization of Multi-Views for Goal-Conditioned Reinforcement Learning in Robotic Manipulation. <i>Robotics</i> , 2023, 12, 119.	3.5	0
4806	End-to-end Prediction of EGFR Mutation Status with Denseformer. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2023, , 1-13.	6.3	1
4807	A DDPG-Based Method of Autonomous Catheter Navigation in Virtual Environment. , 2023, , .		0
4808	Reinforcement Learning for Online Dispatching Policy in Real-Time Train Timetable Rescheduling. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2024, 25, 478-490.	8.0	1
4809	DADE-DQN: Dual Action and Dual Environment Deep Q-Network for Enhancing Stock Trading Strategy. <i>Mathematics</i> , 2023, 11, 3626.	2.2	0
4810	Open-World Multi-Task Control Through Goal-Aware Representation Learning and Adaptive Horizon Prediction. , 2023, , .		1
4811	Data Generation Feedback Relearning Control for Unmodeled Nonlinear Systems. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2024, 8, 389-400.	4.9	0
4812	The Coming of Age of AI/ML in Drug Discovery, Development, Clinical Testing, and Manufacturing: The FDA Perspectives. <i>Drug Design, Development and Therapy</i> , 0, Volume 17, 2691-2725.	4.3	4
4813	R�duction des risques associ�s aux soins chirurgicaux�: impact �conomique et contribution de la chirurgie robotique. , 2023, Vol. XX, 63-64.		0
4814	Media Transformations in People�s Daily Lives Against the Background of Media Convergence in The AI Era. , 2023, 7, 104-108.		0
4815	An efficient and robust gradient reinforcement learning: Deep comparative policy. <i>Journal of Intelligent and Fuzzy Systems</i> , 2024, 46, 3773-3788.	1.4	0
4816	Draw on advantages and avoid disadvantages by making a multi-step prediction. <i>Expert Systems With Applications</i> , 2024, 237, 121345.	7.6	1
4817	A novel intelligent collision avoidance algorithm based on deep reinforcement learning approach for USV. <i>Ocean Engineering</i> , 2023, 287, 115649.	4.3	2
4818	Deep Reinforcement Learning-Based 2.5D Multi-Objective Path Planning for Ground Vehicles: Considering Distance and Energy Consumption. <i>Electronics (Switzerland)</i> , 2023, 12, 3840.	3.1	1
4819	Game Playing (2048) Using Deep Neural Networks. <i>Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series</i> , 2023, , 133-144.	0.5	0
4820	Deep Adversarial Reinforcement Learning Method to Generate Control Policies Robust Against Worst-Case Value Predictions. <i>IEEE Access</i> , 2023, 11, 100798-100809.	4.2	0
4821	Monte Carlo Tree Search with�Metaheuristics. <i>Lecture Notes in Computer Science</i> , 2023, , 134-144.	1.3	0
4822	Human-Like Decision-Making of Autonomous Vehicles in Dynamic Traffic Scenarios. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2023, 10, 1905-1917.	13.1	0

#	ARTICLE	IF	CITATIONS
4823	The Impact of Analog-to-Digital Converter Architecture and Variability on Analog Neural Network Accuracy. IEEE Journal on Exploratory Solid-State Computational Devices and Circuits, 2023, 9, 176-184.	1.5	0
4824	Research on Efficient Multiagent Reinforcement Learning for Multiple UAVs's Distributed Jamming Strategy. Electronics (Switzerland), 2023, 12, 3874.	3.1	0
4825	Online Incentive Mechanism Designs for Asynchronous Federated Learning in Edge Computing. IEEE Internet of Things Journal, 2024, 11, 7787-7804.	8.7	0
4827	Blockchain-Assisted Demonstration Cloning for Multiagent Deep Reinforcement Learning. IEEE Internet of Things Journal, 2024, 11, 7710-7723.	8.7	1
4828	3D Neuromorphic Hardware with Single Thin-Film Transistor Synapses Over Single Thin-Body Transistor Neurons by Monolithic Vertical Integration. Advanced Science, 2023, 10, .	11.2	0
4829	Combining imitation and deep reinforcement learning to human-level performance on a virtual foraging task. Adaptive Behavior, 0, , .	1.9	1
4830	Conceptions of Political Action in the Anthropocene: Between Prometheism and Post-Prometheism. , 2023, , 117-140.		0
4831	Deep reinforcement learning for the rapid on-demand design of mechanical metamaterials with targeted nonlinear deformation responses. Engineering Applications of Artificial Intelligence, 2023, 126, 106998.	8.1	3
4832	Offline Reinforcement Learning with On-Policy Q-Function Regularization. Lecture Notes in Computer Science, 2023, , 455-471.	1.3	0
4833	Taking Myopic Best Response Against The Hedge Algorithm. , 2023, , .		0
4834	A Pursuit-Evasion Game on a Real-City Virtual Simulation Platform Based on Multi-Agent Reinforcement Learning. , 2023, , .		0
4835	Unmanned Aerial Vehicle Autonomous Visual Landing through Visual Attention-Based Deep Reinforcement Learning. , 2023, , .		0
4836	A Multi-Agent Actor-Critic Based Approach Applied to the Snake Game. , 2023, , .		0
4837	Incremental Image Classification Method Based on Proxy Features. , 2023, , .		0
4839	Photonic tensor processing unit with single dataflow and programmable high-precision weighting control. Journal of Lightwave Technology, 2023, , 1-11.	4.6	0
4840	Reinforcement Learning Algorithms with Selector, Tuner, or Estimator. Arabian Journal for Science and Engineering, 2024, 49, 4081-4095.	3.0	0
4842	Cognitive Architecture of a System to Replicate Human Strategic Decision-Making. Lecture Notes in Networks and Systems, 2023, , 302-314.	0.7	0
4843	A Fast Approach to Satellite Range Rescheduling Using Deep Reinforcement Learning. IEEE Transactions on Aerospace and Electronic Systems, 2023, 59, 9390-9403.	4.7	0

#	ARTICLE	IF	CITATIONS
4844	Transfer-Based DRL for Task Scheduling in Dynamic Environments for Cognitive Radar. IEEE Transactions on Aerospace and Electronic Systems, 2024, 60, 37-50.	4.7	0
4845	AI in colonoscopy - detection and characterisation of malignant polyps. , 0, , 186-94.		1
4846	Teletransportation paradox and quantum consciousness. Physics Essays, 2023, 36, 250-255.	0.4	0
4847	Improved Cooperation byÂBalancing Exploration andÂExploitation inÂIntertemporal Social Dilemma Tasks. Lecture Notes in Electrical Engineering, 2023, , 519-532.	0.4	0
4848	Technology and Integration Roadmap for Optoelectronic Memristor. Advanced Materials, 2024, 36, .	21.0	2
4849	Towards efficient long-horizon decision-making using automated structure search method of hierarchical reinforcement learning for edge artificial intelligence. Internet of Things (Netherlands), 2023, 24, 100951.	7.7	0
4851	New Hybrid Graph Convolution Neural Network with Applications in Game Strategy. Electronics (Switzerland), 2023, 12, 4020.	3.1	0
4852	Deep Learning in Maritime Autonomous Surface Ships: Current Development and Challenges. Journal of Marine Science and Application, 2023, 22, 584-601.	1.7	0
4853	Online User Recruitment With Adaptive Budget Segmentation in Sparse Mobile Crowdsensing. IEEE Internet of Things Journal, 2024, 11, 8526-8538.	8.7	0
4854	Scheduling Pattern of Time Triggered Ethernet Based on Reinforcement Learning. Chinese Journal of Electronics, 2023, 32, 1022-1035.	1.5	0
4855	Multiobjective Optimization of Spaceâ€Airâ€Ground-Integrated Network Slicing Relying on a Pair of Central and Distributed Learning Algorithms. IEEE Internet of Things Journal, 2024, 11, 8327-8344.	8.7	0
4856	Social Preferences Toward Humans and Machines: A Systematic Experiment on the Role of Machine Payoffs. Perspectives on Psychological Science, 0, , .	9.0	0
4857	AI vs. Human Buyers: A Study of Alibabaâ€™s Inventory Replenishment System. INFORMS Journal on Applied Analytics, 2023, 53, 372-387.	1.1	1
4858	Tracking and predicting technological knowledge interactions between artificial intelligence and wind power: Multimethod patent analysis. Advanced Engineering Informatics, 2023, 58, 102177.	8.0	1
4859	Interfacing AlphaGo: Embodied play, object agency, and algorithmic drama. Social Studies of Science, 2023, 53, 686-711.	2.5	2
4860	Enabling efficient machine learning with device-to-algorithm co-design of spintronic hardware: opportunities and challenge. , 2023, , .		0
4861	Revisiting the Performance-Explainability Trade-Off in Explainable Artificial Intelligence (XAI). , 2023, , .		2
4863	KE: A Knowledge Enhancing Framework for Machine Learning Models. Journal of Physical Chemistry A, 2023, 127, 8437-8446.	2.5	0

#	ARTICLE	IF	CITATIONS
4864	Spielende Künstliche Intelligenz. , 2023, , 139-144.		0
4865	On the Control of Computing-in-memory Devices with Resource-efficient Digital Circuits towards their On-chip Learning. Nonlinear Theory and Its Applications IEICE, 2023, 14, 639-651.	0.6	0
4866	Multi-agent cooperation policy gradient method based on enhanced exploration for cooperative tasks. International Journal of Machine Learning and Cybernetics, 2024, 15, 1431-1452.	3.6	1
4868	Autonomous Earthquake Location via Deep Reinforcement Learning. Seismological Research Letters, 0, , .	1.9	0
4869	Ronald J. Brachman and Hector J. Levesque, Machines Like Us: Toward AI with Common Sense. Prometheus, 0, 39, .	0.4	0
4870	Efficient and quantum-adaptive machine learning with fermion neural networks. Physical Review Applied, 2023, 20, .	3.8	0
4871	A Survey of Computer Vision Technologies in Urban and Controlled-environment Agriculture. ACM Computing Surveys, 2024, 56, 1-39.	23.0	0
4873	Advancing tuberculosis management: the role of predictive, preventive, and personalized medicine. Frontiers in Microbiology, 0, 14, .	3.5	0
4874	Quantum imaging of the reconfigurable VO ₂ synaptic electronics for neuromorphic computing. Science Advances, 2023, 9, .	10.3	1
4876	Generative inverse reinforcement learning for learning 2-opt heuristics without extrinsic rewards in routing problems. Journal of King Saud University - Computer and Information Sciences, 2023, 35, 101787.	3.9	0
4877	Curiosity-tuned experience replay for wargaming decision modeling without reward-engineering. Simulation Modelling Practice and Theory, 2023, 129, 102842.	3.8	0
4878	Interaction state Q-learning promotes cooperation in the spatial prisoner's dilemma game. Applied Mathematics and Computation, 2024, 463, 128364.	2.2	3
4879	Deep Reinforcement Learning-Based Multi-objective 3D Path Planning for Vehicles. Lecture Notes in Electrical Engineering, 2023, , 867-875.	0.4	0
4880	A practically implementable reinforcement learning-based process controller design. AIChE Journal, 2024, 70, .	3.6	1
4881	Polymer-based Transistor-type Memory and Artificial Synapses. , 2023, , 409-430.		0
4882	Compilation and Optimizations for Efficient Machine Learning on Embedded Systems. , 2024, , 37-74.		0
4884	Generalized decision directed acyclic graphs for classification tasks. International Journal of Approximate Reasoning, 2023, 163, 109041.	3.3	0
4885	Photonic convolutional neural network with robustness against wavelength deviations. Optics Express, 2023, 31, 37348.	3.4	0

#	ARTICLE	IF	CITATIONS
4886	Fullerene-Inspired Efficient Neuromorphic Network-on-Chip Scheme. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, 71, 1376-1380.	3.0	0
4887	A data-driven tracking control framework using physics-informed neural networks and deep reinforcement learning for dynamical systems. Engineering Applications of Artificial Intelligence, 2024, 127, 107256.	8.1	2
4888	Simulation Optimization in the New Era of AI. , 2023, , 82-108.		0
4889	Naturalistic Scene Modelling: Deep Learning with Insights from Biology. Journal of Signal Processing Systems, 2023, 95, 1153-1165.	2.1	1
4890	Joint Recurrent Actor-Critic Model for Partially Observable Control. , 2023, , .		0
4891	Multicore Spiking Neuromorphic Chip in 180-nm with ReRAM Synapses and Digital Neurons. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2023, , 1-1.	3.6	0
4892	DEMRL: Dynamic estimation meta reinforcement learning for path following on unseen unmanned surface vehicle. Ocean Engineering, 2023, 288, 115958.	4.3	1
4893	Reliability-aware failure recovery for cloud computing based automatic train supervision systems in urban rail transit using deep reinforcement learning. Journal of Cloud Computing: Advances, Systems and Applications, 2023, 12, .	3.9	2
4895	Monte Carlo and Temporal Difference Methods in Reinforcement Learning [AI-eXplained]. IEEE Computational Intelligence Magazine, 2023, 18, 64-65.	3.2	0
4896	Developing multi-agent adversarial environment using reinforcement learning and imitation learning. Artificial Life and Robotics, 0, , .	1.2	0
4898	Reinforcement learning with model-based feedforward inputs for robotic table tennis. Autonomous Robots, 0, , .	4.8	0
4899	A Review of Deep Reinforcement Learning Algorithms for Mobile Robot Path Planning. Vehicles, 2023, 5, 1423-1451.	3.1	1
4900	A Low-Power Analog Cell for Implementing Spiking Neural Networks in 65 nm CMOS. Journal of Low Power Electronics and Applications, 2023, 13, 55.	2.0	0
4901	SQBA: sequential query-based blackbox attack. , 2023, , .		0
4902	Robust explanations for graph neural network with neuron explanation component. Information Sciences, 2024, 654, 119785.	6.9	0
4904	Conservative network for offline reinforcement learning. Knowledge-Based Systems, 2023, , 111101.	7.1	1
4905	Contrastive Visual Explanations for Reinforcement Learning via Counterfactual Rewards. Communications in Computer and Information Science, 2023, , 72-87.	0.5	0
4906	Computers versus brains: Challenges of sustainable artificial and biological intelligence. , 2024, , 129-143.		0

#	ARTICLE	IF	CITATIONS
4907	An three-in-one on-demand ride-hailing prediction model based on multi-agent reinforcement learning. Applied Soft Computing Journal, 2023, , 110965.	7.2	0
4908	An Efficient Multi-Agent Optimization Approach for Coordinated Massive MIMO Beamforming. , 2023, , .		0
4909	Ionospheric irregularity reconstruction using multisource data fusion via deep learning. Atmospheric Chemistry and Physics, 2023, 23, 13413-13431.	4.9	1
4910	Large Language Models and Adversarial Reinforcement Learning to Automate PLCs Programming: A Preliminary Investigation. , 2023, , .		0
4911	Generating aâ€Graph Colouring Heuristic withâ€Deep Q-Learning andâ€Graph Neural Networks. Lecture Notes in Computer Science, 2023, , 491-505.	1.3	0
4912	When Local Optimization is Bad: Learning What to (Not) Maximize in the Null-Space for Redundant Robot Control. , 2023, , .		0
4914	A Review on Intelligent Control Theory and Applications in Process Optimization and Smart Manufacturing. Processes, 2023, 11, 3171.	2.8	0
4915	Deep reinforcement learning for the design of mechanical metamaterials with tunable deformation and hysteretic characteristics. Materials and Design, 2023, 235, 112428.	7.0	1
4916	New insights on designing the next-generation materials for electrochemical synthesis of reactive oxidative species towards efficient and scalable water treatment: A review and perspectives. Journal of Environmental Chemical Engineering, 2023, 11, 111384.	6.7	0
4917	Multi-robot geometric task-and-motion planning for collaborative manipulation tasks. Autonomous Robots, 2023, 47, 1537-1558.	4.8	0
4918	A comparative analysis of reinforcement learning algorithms for earth-observing satellite scheduling. Frontiers in Space Technologies, 0, 4, .	1.4	1
4919	Advances of machine learning in materials science: Ideas and techniques. Frontiers of Physics, 2024, 19, .	5.0	0
4920	A Qâ€learning method based on coarseâ€toâ€fine potential energy surface for locating transition state and reaction pathway. Journal of Computational Chemistry, 2024, 45, 487-497.	3.3	0
4921	Machine culture. Nature Human Behaviour, 2023, 7, 1855-1868.	12.0	1
4922	Reinforcement learning in wind energy - a review. International Journal of Green Energy, 0, , 1-24.	3.8	1
4923	A policy-based Monte Carlo tree search method for container pre-marshalling. International Journal of Production Research, 0, , 1-17.	7.5	0
4924	Which design decisions in AI-enabled mobile applications contribute to greener AI?. Empirical Software Engineering, 2024, 29, .	3.9	1
4925	How deep convolutional neural networks lose spatial information with training. Machine Learning: Science and Technology, 2023, 4, 045026.	5.0	0

#	ARTICLE	IF	CITATIONS
4926	Can Deep Reinforcement Learning Solve the Portfolio Allocation Problem? (PhD Manuscript). SSRN Electronic Journal, 0, , .	0.4	0
4927	Convergence rates for shallow neural networks learned by gradient descent. Bernoulli, 2024, 30, .	1.3	1
4928	âŸ•äºŸçŸ,âŸ•æœ—™çš„,âŸ•%âŸ•¥žç»†1/2æœœè©Ÿ®—æšœæœ~ç»¼4è¿. Laser and Optoelectronics Progress, 2023, 60, 0100007.0	0.1	0
4929	Multi-teacher Local Semantic Distillation from Graph Neural Networks. Lecture Notes in Computer Science, 2023, , 502-516.	1.3	0
4930	Designing human-AI systems for complex settings: ideas from distributed, joint, and self-organising perspectives of sociotechnical systems and cognitive work analysis. Ergonomics, 2023, 66, 1669-1694.	2.1	1
4931	An AI-Based Support System forÂLeft-Behind Children Detection inÂVehicles. Lecture Notes on Data Engineering and Communications Technologies, 2024, , 39-47.	0.7	0
4933	GAPPO - A Graph Attention Reinforcement Learning based Robust Routing Algorithm. , 2023, , .		0
4934	Evolutionary Machine Learning and Games. Genetic and Evolutionary Computation, 2024, , 715-737.	1.0	0
4935	Ceramic Tile Production Intelligent Decision Research Based on Reinforcement Learning Algorithm. Smart Innovation, Systems and Technologies, 2024, , 13-27.	0.6	0
4936	Multi-period portfolio optimization using a deep reinforcement learning hyper-heuristic approach. Technological Forecasting and Social Change, 2024, 198, 122944.	11.6	1
4937	LSTM-DPPO based deep reinforcement learning controller for path following optimization of unmanned surface vehicle. Journal of Systems Engineering and Electronics, 2023, 34, 1343-1358.	2.2	0
4938	From Satellite to UAV-Based Remote Sensing: A Review on Precision Agriculture. IEEE Access, 2023, 11, 127057-127076.	4.2	1
4939	Towards Safe Autonomous Driving: Decision Making with Observation-Robust Reinforcement Learning. Automotive Innovation, 2023, 6, 509-520.	5.1	0
4941	Grid-Forming Converter and Stability Aspects of Renewable-Based Low-Inertia Power Networks: Modern Trends and Challenges. Arabian Journal for Science and Engineering, 0, , .	3.0	0
4942	CARL: A Synergistic Framework for Causal Reinforcement Learning. IEEE Access, 2023, 11, 126462-126481.	4.2	0
4943	DyPipe: A Holistic Approach to Accelerating Dynamic Neural Networks with Dynamic Pipelining. Journal of Computer Science and Technology, 2023, 38, 899-910.	1.5	0
4944	Robust learning of parsimonious deep neural networks. Neurocomputing, 2024, 566, 127011.	5.9	0
4945	PruVer: Verification Assisted Pruning forÂDeep Reinforcement Learning. Lecture Notes in Computer Science, 2024, , 137-149.	1.3	0

#	ARTICLE	IF	CITATIONS
4946	ASN: action semantics network for multiagent reinforcement learning. Autonomous Agents and Multi-Agent Systems, 2023, 37, .	2.1	0
4947	Improving the generalizability and robustness of large-scale traffic signal control. IEEE Open Journal of Intelligent Transportation Systems, 2023, , 1-1.	4.8	0
4948	Learning Adaptable Risk-Sensitive Policies to Coordinate in Multi-agent General-Sum Games. Lecture Notes in Computer Science, 2024, , 27-40.	1.3	0
4949	High Throughput Training of Deep Surrogates from Large Ensemble Runs. , 2023, , .		0
4950	Building Socially Intelligent AI Systems: Evidence from the Trust Game Using Artificial Agents with Deep Learning. Management Science, 2023, 69, 7236-7252.	4.1	2
4951	An Investigation of the Behaviours of Machine Learning Agents Used in the Game of Go. , 2023, , .		0
4953	Student of Games: A unified learning algorithm for both perfect and imperfect information games. Science Advances, 2023, 9, .	10.3	0
4954	AFL-RL: A Reinforcement Learning Based Mutation Scheduling Optimization Method for Fuzzing. , 2023, , .		0
4955	Overview of selected reinforcement learning solutions to several game theory problems. Computer Science and Mathematical Modelling, 2023, .	0.2	0
4956	Analysis of selected reinforcement learning applications in contract bridge. Computer Science and Mathematical Modelling, 2023, .	0.2	0
4957	Kalman Filter-Based One-Shot Sim-to-Real Transfer Learning. IEEE Robotics and Automation Letters, 2024, 9, 311-318.	5.1	0
4958	Bilevel Optimization for Automated Machine Learning: A New Perspective with Framework and Algorithm. National Science Review, 0, , .	9.5	0
4959	V-Learning—A Simple, Efficient, Decentralized Algorithm for Multiagent Reinforcement Learning. Mathematics of Operations Research, 0, , .	1.3	0
4960	<scp>Haisor</scp> : Human-aware Indoor Scene Optimization via Deep Reinforcement Learning. ACM Transactions on Graphics, 2024, 43, 1-17.	7.2	0
4961	A Comprehensive Review of COVID-19 Detection and Prediction Using of ML/DL Method. , 2024, , 761-770.		0
4962	Using a two-step downscaling method to assess the impact of climate change on total nitrogen load in a small basin. Journal of Hydrology, 2024, 628, 130510.	5.4	0
4963	Multi-objective Reconfigurable Manufacturing System Scheduling Optimisation: A Deep Reinforcement Learning Approach. IFAC-PapersOnLine, 2023, 56, 11082-11087.	0.9	0
4964	A Learning-Based Nonlinear Model Predictive Control Approach for Autonomous Driving. IFAC-PapersOnLine, 2023, 56, 2792-2797.	0.9	0

#	ARTICLE	IF	CITATIONS
4965	Deep Reinforcement Learning. , 2023, , .		0
4966	Dynamic Adaptation Using Deep Reinforcement Learning for Digital Microfluidic Biochips. ACM Transactions on Design Automation of Electronic Systems, 0, , .	2.6	0
4967	QvQ-IL: quantity versus quality in incremental learning. Neural Computing and Applications, 0, , .	5.6	0
4968	On convolutional neural networks for selection inference: Revealing the effect of preprocessing on model learning and the capacity to discover novel patterns. PLoS Computational Biology, 2023, 19, e1010979.	3.2	0
4969	Self-learning Agents for Recommerce Markets. Business and Information Systems Engineering, 0, , .	6.1	0
4970	Media and the transformative potential of AI in the scientific field. AI Critique, 2023, , 235-254.	0.2	0
4971	Container port truck dispatching optimization using Real2Sim based deep reinforcement learning. European Journal of Operational Research, 2024, 315, 161-175.	5.7	1
4972	A logical modeling of the Yàkai board game. AI Communications, 2023, , 1-34.	1.2	0
4973	A Study of Monte Carlo Tree Search-Based Model for High Frequency Trading. , 2023, , .		0
4974	Integrated InàMemory Sensor and Computing of Artificial Vision Based on FullàdW Optoelectronic Ferroelectric FieldàEffect Transistor. Advanced Science, 2024, 11, .	11.2	2
4975	Singular Perturbation-Based Reinforcement Learning for Time-Varying Linear Quadratic Zero-Sum Games. Artificial Intelligence and Robotics Research, 2023, 12, 373-382.	0.2	0
4976	Explainable reinforcement learning (XRL): a systematic literature review and taxonomy. Machine Learning, 0, , .	5.4	0
4977	Learning to bid and rank together in recommendation systems. Machine Learning, 0, , .	5.4	0
4978	Artificial Intelligence and Inequality. , 2023, , 1-24.		0
4979	A multi-strategy valuation model for popular mahjong actions. , 2023, , .		0
4980	Subsecond fluctuations in extracellular dopamine encode reward and punishment prediction errors in humans. Science Advances, 2023, 9, .	10.3	3
4981	Continuous Episodic Control. , 2023, , .		0
4982	Two-Memory Reinforcement Learning. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
4983	Deep Dive on Checkers Endgame Data. , 2023, , .		0
4984	Mastering Curling with RL-revised Decision Tree. , 2023, , .		0
4985	DanZero: Mastering GuanDan Game with Reinforcement Learning. , 2023, , .		0
4986	Layer-Specific Characteristics of Artificial Representations in the Trained AlexNet Model. , 2023, , .		0
4987	RELight: a random ensemble reinforcement learning based method for traffic light control. Applied Intelligence, 0, , .	5.3	0
4988	AI vs humans in the AUT: Simulations to LLMs. Journal of Creativity, 2024, 34, 100071.	1.7	0
4989	A hierarchical branch and bound algorithm for Mahjong deficiency. Soft Computing, 2024, 28, 3321-3340.	3.6	0
4990	A High-Precision Car-Following Model with Automatic Parameter Optimization and Cross-Dataset Adaptability. World Electric Vehicle Journal, 2023, 14, 341.	3.0	0
4991	Energy efficiency improvement method for data centers based on hybrid proximal policy optimization algorithm. , 2023, , .		0
4994	Distributed Reinforcement Learning. , 2023, , 223-232.		0
4995	Planning with a Model: AlphaZero. , 2023, , 245-280.		0
4996	Deep Learning Misconduct and How Conscious Learning Avoids it. Artificial Intelligence, 0, , .	2.3	0
4997	Modified deep deterministic policy gradient based on active disturbance rejection control for hypersonic vehicles. Neural Computing and Applications, 2024, 36, 4071-4081.	5.6	0
4998	IOB: integrating optimization transfer and behavior transfer for multi-policy reuse. Autonomous Agents and Multi-Agent Systems, 2024, 38, .	2.1	0
5000	A survey on the complexity of learning quantum states. Nature Reviews Physics, 2024, 6, 59-69.	26.6	1
5001	Management of investment portfolios employing reinforcement learning. PeerJ Computer Science, 0, 9, e1695.	4.5	0
5003	MA-TDMPC: Multi-Agent Temporal Difference for Model Predictive Control. , 2023, , .		0
5004	A CT-based deep learning model: visceral pleural invasion and survival prediction in clinical stage IA lung adenocarcinoma. IScience, 2024, 27, 108712.	4.1	0

#	ARTICLE	IF	CITATIONS
5005	Quadratic Exponential Decrease Roll-Back: An Efficient Gradient Update Mechanism in Proximal Policy Optimization. , 2023, , .		0
5006	Leveraging Machine Learning for Generating and Utilizing Motion Primitives in Adversarial Environments. Journal of Aerospace Computing, Information, and Communication, 2024, 21, 127-139.	0.8	0
5007	Advanced decision support system for individuals with diabetes on multiple daily injections therapy using reinforcement learning and nearest-neighbors: In-silico and clinical results. Artificial Intelligence in Medicine, 2024, 148, 102749.	6.5	0
5008	A framework for safe decision making: A convex duality approach. Intelligenza Artificiale, 2023, 17, 195-205.	1.6	0
5009	DeRL: Coupling Decomposition in Action Space for Reinforcement Learning Task. IEEE Transactions on Emerging Topics in Computational Intelligence, 2024, 8, 1030-1043.	4.9	0
5010	TFN: An interpretable neural network with time-frequency transform embedded for intelligent fault diagnosis. Mechanical Systems and Signal Processing, 2024, 207, 110952.	8.0	3
5011	Deep-Learning-Based Lattice Reduction Preprocessing for Time-Correlated MIMO Systems. , 2023, , .		0
5012	AlphaSyn: Logic Synthesis Optimization with Efficient Monte Carlo Tree Search. , 2023, , .		0
5013	Mastering Bidding in Fight the Landlord with Perfect Information Distillation. , 2023, , .		0
5014	Optimizing the evaluation parameters of Amazon chess with parallel genetic algorithm. , 2023, , .		0
5015	Mirage: Cyber Deception against Autonomous Cyber Attacks. , 2023, , .		1
5016	Batch(Offline) Reinforcement Learning for Recommender System. , 2023, , .		0
5017	Model-based Adversarial Imitation Learning from Demonstrations and Human Reward. , 2023, , .		0
5018	A Multiplicative Value Function for Safe and Efficient Reinforcement Learning. , 2023, , .		0
5019	Efficient Object Manipulation Planning with Monte Carlo Tree Search. , 2023, , .		1
5020	Heuristic Search Optimisation Using Planning and Curriculum Learning Techniques. Lecture Notes in Computer Science, 2023, , 495-507.	1.3	0
5021	Cheat-Flit: An Approach to Modeling and Perception of Deceptive Opponent. Lecture Notes in Computer Science, 2024, , 368-384.	1.3	0
5022	Distributional offline continuous-time reinforcement learning with neural physics-informed PDEs (SciPhy RL for DOCTR-L). Neural Computing and Applications, 2024, 36, 4643-4659.	5.6	0

#	ARTICLE	IF	CITATIONS
5024	Robotic Grasping Based on Deep Learning: A Survey. , 2023, , .		0
5025	Slimmed Optical Neural Networks with Multiplexed Neuron Sets and a Corresponding Backpropagation Training Algorithm. , 2024, 3, .		0
5026	Survey on Blockchain-Enhanced Machine Learning. IEEE Access, 2023, , 1-1.	4.2	1
5027	â€‘Explainableâ€™ AI identifies a new class of antibiotics. Nature, 0, , .	27.8	0
5028	A Short Introduction to Artificial Intelligence: Methods, Success Stories, and Current Limitations. , 2024, , 135-149.		0
5029	Discovery of a structural class of antibiotics with explainable deep learning. Nature, 2024, 626, 177-185.	27.8	11
5030	Energy-Efficient Ferroelectric-FET-Based Agent With Memory Trace for Enhanced Reinforcement Learning. IEEE Electron Device Letters, 2024, 45, 264-267.	3.9	0
5031	QoI-Aware Mobile Crowdsensing for Metaverse by Multi-Agent Deep Reinforcement Learning. IEEE Journal on Selected Areas in Communications, 2024, 42, 783-798.	14.0	0
5032	Neural network field theories: non-Gaussianity, actions, and locality. Machine Learning: Science and Technology, 2024, 5, 015002.	5.0	2
5033	Errare humanum est, perseverare autem diabolicum. , 2023, , .		0
5034	Deep Reinforcement Learning for Power Control in Secure Broadcast Channels. , 2023, , .		0
5035	PRAT: PRofiling Adversarial aTtacks. , 2023, , .		0
5036	Towards an Effective and Interpretable Refinement Approach for DNN Verification. , 2023, , .		0
5037	Learning Based Adaptation of Proportional Derivative Controller for a Novel Rotary SLOSH Dynamics Model. , 2023, , .		0
5038	Human dignity and the moral status of bio-cybernetic cerebral organoids in Synthetic Biological Intelligences. , 0, 2, 23.		0
5039	Artificial Intelligence: Historical Context and State of the Art. Law, Governance and Technology Series, 2024, , 3-24.	0.4	0
5040	PatrolGo: Efficient Security Patrol Route Planning to Catch Intruders. , 2023, , .		0
5041	Automated Generation of Ensemble Pipelines using Policy-Based Reinforcement Learning method. Procedia Computer Science, 2023, 229, 70-79.	2.0	0

#	ARTICLE	IF	CITATIONS
5042	Performance Characterization of Popular DNN Models on Out-of-Order CPUs. , 2023, , .		0
5044	Deep Learning Workload Scheduling in GPU Datacenters: A Survey. ACM Computing Surveys, 2024, 56, 1-38.	23.0	0
5045	Deadly triad matters for offline reinforcement learning. Knowledge-Based Systems, 2024, 284, 111341.	7.1	0
5046	Robotics, Automation, and the Future of Sports. Future of Business and Finance, 2024, , 67-85.	0.4	0
5047	Deep reinforcement learning-based air combat maneuver decision-making: literature review, implementation tutorial and future direction. Artificial Intelligence Review, 2024, 57, .	15.7	2
5048	Beyond games: a systematic review of neural Monte Carlo tree search applications. Applied Intelligence, 2024, 54, 1020-1046.	5.3	1
5049	Overview on reinforcement learning of multi-agent game. Journal of Physics: Conference Series, 2023, 2646, 012021.	0.4	0
5050	Ship Path Planning Based on AlphaZero Algorithm. , 2023, , .		0
5051	Anwendung Künstlicher Intelligenz in der Psychotherapie: Methodische, technische, wirtschaftliche und zielgruppenspezifische Implikationen. , 2023, , 211-260.		0
5052	H3E: Learning air combat with a three-level hierarchical framework embedding expert knowledge. Expert Systems With Applications, 2024, 245, 123084.	7.6	1
5053	Artificial Intelligence in Pharmaceutical Industry. International Journal of Advanced Research in Science, Communication and Technology, 0, , 366-375.	0.0	0
5054	Machine Learning and Artificial Intelligence to Improve Interpretation of Urodynamics. Current Bladder Dysfunction Reports, 2024, 19, 44-53.	0.5	0
5055	Deep learning in computational mechanics: a review. Computational Mechanics, 0, , .	4.0	0
5056	Correlated optical convolutional neural network with "quantum speedup": Light: Science and Applications, 2024, 13, .	16.6	0
5057	Magnetic Field-Based Reward Shaping for Goal-Conditioned Reinforcement Learning. IEEE/CAA Journal of Automatica Sinica, 2023, 10, 2233-2247.	13.1	1
5058	ConVERTS: Contrastively Learning Structurally InVariant Netlist Representations. , 2023, , .		1
5059	A Definition and a Test for Human-Level Artificial Intelligence. , 2023, , .		0
5060	Optimizing credit limit adjustments under adversarial goals using reinforcement learning. European Journal of Operational Research, 2024, 315, 802-817.	5.7	0

#	ARTICLE	IF	CITATIONS
5061	Developing Driving Strategies Efficiently: A Skill-Based Hierarchical Reinforcement Learning Approach. , 2024, 8, 121-126.		0
5062	Forming Adversarial Example Attacks Against Deep Neural Networks With Reinforcement Learning. Computer, 2024, 57, 88-99.	1.1	0
5063	Artificial Intelligence in Neuroscience. , 2024, , 158-166.		0
5064	Possibilities of reinforcement learning for nuclear power plants: Evidence on current applications and beyond. Nuclear Engineering and Technology, 2024, , .	2.3	0
5065	A History of Artificial Intelligence. Clinics in Dermatology, 2024, , .	1.6	1
5066	A Contrastive-Enhanced Ensemble Framework for Efficient Multi-Agent Reinforcement Learning. Expert Systems With Applications, 2024, 245, 123158.	7.6	1
5067	A survey of multi-agent deep reinforcement learning with communication. Autonomous Agents and Multi-Agent Systems, 2024, 38, .	2.1	0
5068	Advances in machine learning optimization for classical and quantum photonics. Journal of the Optical Society of America B: Optical Physics, 2024, 41, A177.	2.1	0
5069	Solving real-world optimization tasks using physics-informed neural computing. Scientific Reports, 2024, 14, .	3.3	1
5070	SUPExplainer: Subgraph-Level Explanations for Graph Neural Networks via Reinforcement Learning Mechanism. , 2022, , .		0
5071	Playing With Monte-Carlo Tree Search [AI-eXplained]. IEEE Computational Intelligence Magazine, 2024, 19, 85-86.	3.2	0
5072	The Application of Residual Connection-Based State Normalization Method in GAIL. Mathematics, 2024, 12, 214.	2.2	0
5073	How to Guarantee Driving Safety for Autonomous Vehicles in a Real-World Environment: A Perspective on Self-Evolution Mechanisms. IEEE Intelligent Transportation Systems Magazine, 2024, 16, 41-54.	3.8	0
5074	Automated Scanning Probe Tip State Classification without Machine Learning. ACS Nano, 2024, 18, 2384-2394.	14.6	0
5075	Curling Strategy Teaching Case Design Based onÂDeep Reinforcement Learning. Communications in Computer and Information Science, 2024, , 273-284.	0.5	0
5076	Expected Lenient Q-learning: a fast variant of the Lenient Q-learning algorithm for cooperative stochastic Markov games. International Journal of Machine Learning and Cybernetics, 0, , .	3.6	0
5077	On Realization of Intelligent Decision Making in the Real World: A Foundation Decision Model Perspective. , 2023, , 9150026.		0
5078	Exploratory Dividend Optimization with Entropy Regularization. Journal of Risk and Financial Management, 2024, 17, 25.	2.3	0

#	ARTICLE	IF	CITATIONS
5079	Distributed Deep Reinforcement Learning: A Survey and a Multi-player Multi-agent Learning Toolbox. , 2024, 21, 411-430.		0
5081	A Review on Reinforcement Learning-based Highway Autonomous Vehicle Control. , 2024, , 100156.		0
5082	Crowd evacuation with human-level intelligence via neuro-symbolic approach. Advanced Engineering Informatics, 2024, 60, 102356.	8.0	0
5083	Dreamwalker: Mental Planning for Continuous Vision-Language Navigation. , 2023, , .		0
5084	Mastering percolation-like games with deep learning. Physical Review Research, 2024, 6, .	3.6	0
5085	Algorithmic Product Positioning and Pricing: Can Artificial Intelligence Do Strategy?. SSRN Electronic Journal, 0, , .	0.4	0
5086	Exploring the design of reward functions in deep reinforcement learning-based vehicle velocity control algorithms. Transportation Letters, 0, , 1-15.	3.1	0
5087	Bibliometric analysis and research trends of artificial intelligence in lung cancer. Heliyon, 2024, 10, e24665.	3.2	0
5088	Robust Safe Reinforcement Learning under Adversarial Disturbances. , 2023, , .		0
5089	Performance Bounds for Policy-Based Reinforcement Learning Methods in Zero-Sum Markov Games with Linear Function Approximation. , 2023, , .		0
5090	Learning Over Contracting and Lipschitz Closed-Loops for Partially-Observed Nonlinear Systems. , 2023, , .		0
5091	The Fundamental Limitations of Learning Linear-Quadratic Regulators. , 2023, , .		0
5092	Machine learning for industrial sensing and control: A survey and practical perspective. Control Engineering Practice, 2024, 145, 105841.	5.5	1
5093	Experience Sharing and Human-in-the-Loop Optimization for Federated Robot Navigation Recommendation. Lecture Notes in Computer Science, 2024, , 179-188.	1.3	0
5094	Artificial Intelligence in endoscopy: A future poll. Arab Journal of Gastroenterology, 2024, 25, 13-17.	0.9	0
5095	A model-free method based on RDPG for fiber diameter steady control. Optical Fiber Technology, 2024, 83, 103680.	2.7	0
5096	Photonic matrix computing accelerators. , 2024, , 257-293.		0
5097	Feature Acquisition Using Monte Carlo Tree Search*. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
5098	Exploring the implications of the metaverse: opportunities and challenges for dance movement therapy. Body, Movement and Dance in Psychotherapy, 0, , 1-12.	0.5	0
5099	Fault Tolerance Oriented SFC Optimization in SDN/NFV-Enabled Cloud Environment Based on Deep Reinforcement Learning. IEEE Transactions on Cloud Computing, 2024, 12, 200-218.	4.4	0
5100	Towards practical reinforcement learning for tokamak magnetic control. Fusion Engineering and Design, 2024, 200, 114161.	1.9	1
5101	An Optimal Re-parametrization Scheme for Generalization in Reinforcement Learning. , 2023, , .		0
5102	Overview of Game Decision Intelligence. , 2023, , .		0
5103	Improving Live Augmented Reality With Neural Configuration Adaptation. Advances in Computational Intelligence and Robotics Book Series, 2023, , 151-178.	0.4	0
5104	On-Chip Optimization and Deep Reinforcement Learning in Memristor Based Computing. , 2023, , .		0
5105	Machine learning methods. , 2024, , 1-38.		0
5106	Data, machine learning, first-principles, and hybrid models in the petrochemical industry. , 2024, , 57-96.		0
5107	A survey on model-based reinforcement learning. Science China Information Sciences, 2024, 67, .	4.3	1
5108	Cooperative pursuit with multiple pursuers based on Deep Minimax Q-learning. Aerospace Science and Technology, 2024, 146, 108919.	4.8	0
5110	Quantum State Generation Via Deep Reinforcement Learning. , 2023, , .		0
5111	Assessment of reinforcement learning algorithms for nuclear power plant fuel optimization. Applied Intelligence, 2024, 54, 2100-2135.	5.3	0
5112	Design and Implementation of Intuitive Human Robot Interface System by DDPG with HER and RCA. , 2023, , .		0
5113	Reinforcement Learning-based Frame-level Bit Allocation for VVC. , 2023, , .		0
5114	Safety, Trust, and Ethics Considerations for Human-AI Teaming in Aerospace Control. , 2024, , .		0
5115	Cutting-edge technologies for detecting and controlling fish diseases: Current status, outlook, and challenges. Journal of the World Aquaculture Society, 2024, 55, .	2.4	0
5116	Hybrid Soft Actor-Critic and Incremental Dual Heuristic Programming Reinforcement Learning for Fault-Tolerant Flight Control. , 2024, , .		0

#	ARTICLE	IF	CITATIONS
5117	Electric vehicle charging navigation strategy in coupled smart grid and transportation network: A hierarchical reinforcement learning approach. International Journal of Electrical Power and Energy Systems, 2024, 157, 109823.	5.5	0
5118	Simulationsmodelle der Virtuellen Inbetriebnahme als Lernumgebung für Reinforcement Learning. , 2024, , 213-227.		0
5119	Deep reinforcement learning-based active mass driver decoupled control framework considering control-structure interaction effects. Computer-Aided Civil and Infrastructure Engineering, 0, , .	9.8	0
5120	The Bretskyan hierarchy, multiscale allopatry, and geobiomes “on the nature of evolutionary things. Paleobiology, 0, , 1-20.	2.0	0
5121	Enhancing parcel singulation efficiency through transformer-based position attention and state space augmentation. Expert Systems With Applications, 2024, 248, 123393.	7.6	0
5122	Deep generative models in the quest for anticancer drugs: ways forward. Frontiers in Drug Discovery, 0, 4, .	2.8	0
5123	Energy-Based Policy Constraint for Offline Reinforcement Learning. Lecture Notes in Computer Science, 2024, , 335-346.	1.3	0
5124	A novel governing equation for shale gas production prediction via physics-informed neural networks. Expert Systems With Applications, 2024, 248, 123387.	7.6	0
5125	A deep reinforcement learning approach for online mobile charging scheduling with optimal quality of sensing coverage in wireless rechargeable sensor networks. Ad Hoc Networks, 2024, 156, 103431.	5.5	0
5126	An reconstruction bidirectional recurrent neural network -based deinterleaving method for known radar signals in open-set scenarios. IET Radar, Sonar and Navigation, 0, , .	1.8	0
5127	High-efficiency reinforcement learning with hybrid architecture photonic integrated circuit. Nature Communications, 2024, 15, .	12.8	0
5128	Exploiting Partial Observability and Optimized Simple State Representations in Deep Q-Learning. , 2023, , .		0
5129	Goal exploration augmentation via pre-trained skills for sparse-reward long-horizon goal-conditioned reinforcement learning. Machine Learning, 2024, 113, 2527-2557.	5.4	0
5130	A Novel Two-Stage Data-mining Model Combining Gait Recognition and Temporal Sequence Mining. , 2023, , .		0
5131	BLRGCN: A dynamic traffic flow prediction model based on spatiotemporal graph convolutional network. , 2023, , .		0
5132	Synergetic-informed deep reinforcement learning for sustainable management of transportation networks with large action spaces. Automation in Construction, 2024, 160, 105302.	9.8	0
5133	A Better Match for Drivers and Riders: Reinforcement Learning at Lyft. INFORMS Journal on Applied Analytics, 2024, 54, 71-83.	1.1	0
5134	JP-DouZero: an enhanced DouDiZhu AI based on reinforcement learning with peasant collaboration and intrinsic rewards. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
5135	Exploring behavior patterns in human and machine interactions. Fundamental Research, 2024, , .	3.3	0
5136	Highly Efficient Multi-resolution Topology Optimization Based on the Kriging-Interpolation Network. Structural Integrity, 2024, , 124-142.	1.4	0
5137	Insights into machine learning models from chemical physics: an energy landscapes approach (EL for) Tj ETQq0 0 0 rgBT /Overlock 10 Tf		1
5138	Learning team-based navigation: a review of deep reinforcement learning techniques for multi-agent pathfinding. Artificial Intelligence Review, 2024, 57, .	15.7	0
5139	Shapley value: from cooperative game to explainable artificial intelligence. Autonomous Intelligent Systems, 2024, 4, .	3.1	0
5140	A comprehensive and reliable feature attribution method: Double-sided remove and reconstruct (DoRaR). Neural Networks, 2024, 173, 106166.	5.9	0
5141	Toward a Brainâ€“Neuromorphics Interface. Advanced Materials, 0, , .	21.0	0
5142	A Comparative Study ofÂFour YOLO-Based Models forÂDistracted Driving Detection. Lecture Notes on Data Engineering and Communications Technologies, 2024, , 362-370.	0.7	0
5143	Traffic Smoothing Controllers for Autonomous Vehicles Using Deep Reinforcement Learning and Real-World Trajectory Data. , 2023, , .		0
5144	MEERL: Maximum Experience Entropy Reinforcement Learning Method for Navigation and Control of Automated Vehicles. , 2023, , .		0
5145	Vision-Based DRL Autonomous Driving Agent with Sim2Real Transfer. , 2023, , .		0
5146	Enhancing reinforcement learningâ€“based ramp metering performance at freeway uncertain bottlenecks using curriculum learning. IET Intelligent Transport Systems, 0, , .	3.0	0
5147	Models Matter: the impact of single-step retrosynthesis on synthesis planning. , 2024, 3, 558-572.		1
5148	Quantum circuit distillation and compression. Japanese Journal of Applied Physics, 2024, 63, 032003.	1.5	0
5149	Multi-Agent Hierarchical Decision Optimization Method Based on Curriculum Learning. , 2023, , .		0
5150	De novo prediction of RNA 3D structures with deep generative models. PLoS ONE, 2024, 19, e0297105.	2.5	0
5151	A survey of decision making in adversarial games. Science China Information Sciences, 2024, 67, .	4.3	0
5152	Stationary Points of a Shallow Neural Network with Quadratic Activations and the Global Optimality of the Gradient Descent Algorithm. Mathematics of Operations Research, 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
5153	Optimization and evaluation of a neural network based policy for real-time control of construction factory processes. Journal of Information Technology in Construction, 2024, 29, 84-98.	2.1	0
5154	A modified evolutionary reinforcement learning for multi-agent region protection with fewer defenders. Complex & Intelligent Systems, 0, , .	6.5	0
5155	Deep Reinforcement Learning combined with RRT for trajectory tracking of autonomous vehicles.. Transportation Research Procedia, 2024, 78, 246-253.	1.5	0
5156	Dynamic datasets and market environments for financial reinforcement learning. Machine Learning, 2024, 113, 2795-2839.	5.4	0
5157	Exploring the optimal cycle for a quantum heat engine using reinforcement learning. Physical Review A, 2024, 109, .	2.5	0
5158	Electrochemical random-access memory: recent advances in materials, devices, and systems towards neuromorphic computing. Nano Convergence, 2024, 11, .	12.1	0
5159	Crowd-sourced Evaluation of Combat Animations. , 2024, , .		0
5160	Holistic One Health Surveillance Framework: Synergizing Environmental, Animal, and Human Determinants for Enhanced Infectious Disease Management. ACS Infectious Diseases, 2024, 10, 808-826.	3.8	0
5161	Algorithms for dynamic control of a deep-sea mining vehicle based on deep reinforcement learning. Ocean Engineering, 2024, 298, 117199.	4.3	0
5162	AI energized hydrogel design, optimization and application in biomedicine. Materials Today Bio, 2024, 25, 101014.	5.5	0
5163	Nanowires for Bio-Sensing Applications. Advances in Chemical and Materials Engineering Book Series, 2024, , 205-219.	0.3	0
5164	Designing workflows for materials characterization. Applied Physics Reviews, 2024, 11, .	11.3	0
5165	Performance of deep reinforcement learning algorithms in two-echelon inventory control systems. International Journal of Production Research, 0, , 1-16.	7.5	0
5166	Numerical Analysis for Convergence of a Sample-Wise Backpropagation Method for Training Stochastic Neural Networks. SIAM Journal on Numerical Analysis, 2024, 62, 593-621.	2.3	0
5167	A note about why deep learning is deep: A discontinuous approximation perspective. Stat, 2024, 13, .	0.4	0
5168	Defeating theÂNon-stationary Opponent Using Deep Reinforcement Learning andÂOpponent Modeling. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 57-78.	0.3	0
5169	The Future of OpenAI Tools: Opportunities and Challenges for Human-AI Collaboration. , 2023, , .		0
5170	Energy efficient deployment of aerial base stations for mobile users in multi-hop UAV networks. Ad Hoc Networks, 2024, 157, 103463.	5.5	0

#	ARTICLE	IF	CITATIONS
5171	Sequential Monte Carlo bandits. , 2024, .		0
5172	Neuromorphic Optical Data Storage Enabled by Nanophotonics: A Perspective. ACS Photonics, 2024, 11, 874-891.	6.6	0
5173	Hierarchical relationship modeling in multi-agent reinforcement learning for mixed cooperativeâ€“competitive environments. Information Fusion, 2024, 108, 102318.	19.1	0
5174	Unlocking the Potential of Generative Artificial Intelligence in Drug Discovery. , 2024, , 37-63.		0
5175	A novel framework for predicting active flow control by combining deep reinforcement learning and masked deep neural network. Physics of Fluids, 2024, 36, .	4.0	0
5176	Efficient retrosynthetic planning with MCTS exploration enhanced A* search. Communications Chemistry, 2024, 7, .	4.5	0
5178	Data analysis of tactical wargaming based on data mining. Journal of Computational Methods in Sciences and Engineering, 2024, 24, 343-356.	0.2	0
5179	AI in architecture and engineering from misconceptions to game-changing prospects. , 2024, 3, .		0
5180	The Future of Material Scientists in an Age of Artificial Intelligence. Advanced Science, 0, , .	11.2	0
5181	On-the-fly Raman microscopy guaranteeing the accuracy of discrimination. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.1	0
5182	Implicit policy constraint for offline reinforcement learning. CAAI Transactions on Intelligence Technology, 0, , .	8.1	0
5183	Vertically Stackable Ovonic Threshold Switch Oscillator Using Atomic Layer Deposited Ge_{0.6}Se_{0.4} Film for High-Density Artificial Neural Networks. ACS Applied Materials & Interfaces, 2024, 16, 15032-15042.	8.0	0
5184	Toward Optimized Inâ€“Memory Reinforcement Learning: Leveraging 1/f Noise of Synaptic Ferroelectric Fieldâ€“Effectâ€“Transistors for Efficient Exploration. Advanced Intelligent Systems, 0, , .	6.1	0
5185	Evolving Reservoirs forâ€“Meta Reinforcement Learning. Lecture Notes in Computer Science, 2024, , 36-60.	1.3	0
5186	Leveraging More ofâ€“Biology inâ€“Evolutionary Reinforcement Learning. Lecture Notes in Computer Science, 2024, , 91-114.	1.3	0
5187	Cross coordination of behavior clone and reinforcement learning for autonomous within-visual-range air combat. Neurocomputing, 2024, 584, 127591.	5.9	0
5188	Artificial Intelligence in the 21st Century. , 2023, 2, 52-59.		0
5190	A deep learning method for empirical spectral prediction and inverse design of all-optical nonlinear plasmonic ring resonator switches. Scientific Reports, 2024, 14, .	3.3	0

#	ARTICLE	IF	CITATIONS
5191	Materials genome engineering accelerates the research and development of organic and perovskite photovoltaics. , 2024, 2, .		0
5192	Adversarial Defense Based on Mimic Defense and Reinforcement Learning for Power Vision Task in Smart Grid. Lecture Notes in Electrical Engineering, 2024, , 450-460.	0.4	0
5193	On the Pitfalls of Learning to Cooperate with Self Play Agents Checkpointed to Capture Humans of Diverse Skill Levels. , 2024, , .		0
5194	Mirage: cyber deception against autonomous cyber attacks in emulation and simulation. Annales Des Telecommunications/Annals of Telecommunications, 0, , .	2.5	0
5195	A review on machine learning in flexible surgical and interventional robots: Where we are and where we are going. Biomedical Signal Processing and Control, 2024, 93, 106179.	5.7	0
5196	Domain-incremental learning without forgetting based on random vector functional link networks. Pattern Recognition, 2024, 151, 110430.	8.1	0
5197	A universal ANN-to-SNN framework for achieving high accuracy and low latency deep Spiking Neural Networks. Neural Networks, 2024, 174, 106244.	5.9	0
5198	Case Studies and Different Applications. SpringerBriefs in Computer Science, 2024, , 69-77.	0.2	0
5200	Diagnosing glaucoma in primary eye care and the role of Artificial Intelligence applications for reducing the prevalence of undetected glaucoma in Australia. Eye, 0, , .	2.1	0
5201	Human divergent exploration capacity for material design: A comparison with artificial intelligence. , 2024, 2, 100064.		0
5203	Deep learning for genomics and epi-genomics in horticulture crops improvement. , 2024, , 217-232.		0
5204	Understanding Human and Machine Interaction from Decision Perspective: An Empirical Study Based on the Game of Go. Journal of Systems Science and Complexity, 2024, 37, 647-667.	2.8	0
5205	Smart DAG Task Scheduling Based onÂMCTS Method ofÂMulti-strategy Learning. Lecture Notes in Computer Science, 2024, , 224-242.	1.3	0
5206	Deep Reinforcement Learning for Image Classification. Journal of Korean Institute of Industrial Engineers, 2024, 50, 11-22.	0.1	0
5207	UAV Control Method Combining Reptile Meta-Reinforcement Learning and Generative Adversarial Imitation Learning. Future Internet, 2024, 16, 105.	3.8	0
5208	Learning safe control for multi-robot systems: Methods, verification, and open challenges. Annual Reviews in Control, 2024, 57, 100948.	7.9	0