Yixin Yin

List of Publications by Citations

112 papers	1,036 citations	19 h-index	27 g-index
164 ext. papers	1,497 ext. citations	3.4 avg, IF	5 L-index

#	Paper	IF	Citations
112	Real-time Detection of Steel Strip Surface Defects Based on Improved YOLO Detection Network. *IFAC-PapersOnLine*, **2018**, 51, 76-81	0.7	80
111	Leader-Follower Output Synchronization of Linear Heterogeneous Systems With Active Leader Using Reinforcement Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 2139-2153	10.3	66
110	Hamiltonian-Driven Adaptive Dynamic Programming for Continuous Nonlinear Dynamical Systems. *IEEE Transactions on Neural Networks and Learning Systems*, **2017**, 28, 1929-1940	10.3	49
109	Optimal Containment Control of Unknown Heterogeneous Systems With Active Leaders. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 1228-1236	4.8	43
108	A new potential field method for mobile robot path planning in the dynamic environments. *Asian Journal of Control*, **2009**, 11, 214-225	1.7	41
107	A Novel Online Sequential Extreme Learning Machine for Gas Utilization Ratio Prediction in Blast Furnaces. *Sensors*, **2017**, 17,	3.8	36
106	Data-Driven Robust Control of Discrete-Time Uncertain Linear Systems via Off-Policy Reinforcement Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 3735-3747	10.3	34
105	An improved ELM algorithm for the measurement of hot metal temperature in blast furnace. *Neurocomputing*, **2016**, 174, 232-237	5.4	32
104	An Improved Genetic Algorithm of Optimum Path Planning for Mobile Robots **2006**,		30
103	Online sequential ELM algorithm with forgetting factor for real applications. *Neurocomputing*, **2017**, 261, 144-152	5.4	26
102	Online barrier-actor-critic learning for H∞ control with full-state constraints and input saturation. *Journal of the Franklin Institute*, **2020**, 357, 3316-3344	4	26
101	Recognition of moving ground targets by measuring and processing seismic signal. *Measurement: Journal of the International Measurement Confederation*, **2005**, 37, 189-199	4.6	25
100	Further studies on relaxed stabilization conditions for discrete-time two-dimension Takagi–Sugeno fuzzy systems. *Information Sciences*, **2012**, 189, 143-154	7.7	23
99	Data-Driven Multiobjective Optimization for Burden Surface in Blast Furnace With Feedback Compensation. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 2233-2244	11.9	22
98	Safe Intermittent Reinforcement Learning With Static and Dynamic Event Generators. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 5441-5455	10.3	21
97	The Prediction of the Gas Utilization Ratio based on TS Fuzzy Neural Network and Particle Swarm Optimization. *Sensors*, **2018**, 18,	3.8	21
96	Dynamic Intermittent Feedback Design for H∞ Containment Control on a Directed Graph. *IEEE Transactions on Cybernetics*, **2020**, 50, 3752-3765	10.2	21

| 95 | . *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12 | 7.3 | 20 |

| 94 | Active control of impulsive noise with symmetric α-stable distribution based on an improved step-size normalized adaptive algorithm. *Mechanical Systems and Signal Processing*, **2015**, 56-57, 320-339 | 7.8 | 20 |

| 93 | Adaptive Task-Space Synchronization Control of Bilateral Teleoperation Systems With Uncertain Parameters and Communication Delays. *IEEE Access*, **2018**, 6, 5740-5748 | 3.5 | 17 |

| 92 | Guaranteed cost control design for delayed teleoperation systems. *Journal of the Franklin Institute*, **2015**, 352, 5085-5105 | 4 | 15 |

| 91 | Development of Blast Furnace Burden Distribution Process Modeling and Control. *ISIJ International* , **2017**, 57, 1350-1363 | 1.7 | 15 |

| 90 | Prediction model of permeability index for blast furnace based on the improved multi-layer extreme learning machine and wavelet transform. *Journal of the Franklin Institute*, **2018**, 355, 1663-1691 | 4 | 14 |

| 89 | . *IEEE Transactions on Industrial Electronics*, **2012**, 59, 4433-4442 | 8.9 | 14 |

| 88 | An algorithmic framework of discrete particle swarm optimization. *Applied Soft Computing Journal*, **2012**, 12, 1125-1130 | 7.5 | 14 |

| 87 | Prediction of the hot metal silicon content in blast furnace based on extreme learning machine. *International Journal of Machine Learning and Cybernetics*, **2018**, 9, 1697-1706 | 3.8 | 13 |

| 86 | . *IEEE Access*, **2019**, 7, 125919-125928 | 3.5 | 13 |

| 85 | Bilateral Teleoperation of Multiple Robots Under Scheduling Communication. *IEEE Transactions on Control Systems Technology*, **2020**, 28, 1770-1784 | 4.8 | 12 |

| 84 | Parallel one-class extreme learning machine for imbalance learning based on Bayesian approach. *Journal of Ambient Intelligence and Humanized Computing*, **2018**, 1 | 3.7 | 12 |

| 83 | Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure **2019**, | | 11 |

| 82 | A Soft Sensing Scheme of Gas Utilization Ratio Prediction for Blast Furnace Via Improved Extreme Learning Machine. *Neural Processing Letters*, **2019**, 50, 1191-1213 | 2.4 | 10 |

| 81 | Klf5 Mediates Odontoblastic Differentiation through Regulating Dentin-Specific Extracellular Matrix Gene Expression during Mouse Tooth Development. *Scientific Reports*, **2017**, 7, 46746 | 4.9 | 9 |

| 80 | Data-Driven Integral Reinforcement Learning for Continuous-Time Non-Zero-Sum Games. *IEEE Access*, **2019**, 7, 82901-82912 | 3.5 | 9 |

| 79 | A modified ELM algorithm for the prediction of silicon content in hot metal. *Neural Computing and Applications*, **2016**, 27, 241-247 | 4.8 | 9 |

| 78 | A new result on state feedback robust stabilization for discrete-time fuzzy singularly perturbed systems. *Asian Journal of Control*, **2012**, 14, 784-794 | 1.7 | 9 |

77	On control design and tuning for first order plus time delay plants with significant uncertainties **2015**,		8
76	Data-driven prediction model for adjusting burden distribution matrix of blast furnace based on improved multilayer extreme learning machine. *Soft Computing*, **2018**, 22, 3575-3589	3.5	8
75	Acceleration feedback control for nonlinear teleoperation systems with time delays. *International Journal of Control*, **2015**, 88, 507-516	1.5	8
74	Path planning based on fuzzy logic algorithm for mobile robots in static environment **2013**,		7
73	A Hybrid of Particle Swarm Optimization and Local Search for Multimodal Functions. *Lecture Notes in Computer Science*, **2010**, 589-596	0.9	7
72	Decision-level fusion of infrared and visible images for face recognition **2008**,		7
71	Composite adaptive control for bilateral teleoperation systems without persistency of excitation. *Journal of the Franklin Institute*, **2020**, 357, 773-795	4	7
70	Containment Control of Heterogeneous Systems With Non-Autonomous Leaders: A Distributed Optimal Model Reference Approach. *IEEE Access*, **2018**, 6, 60689-60703	3.5	7
69	Kernel online sequential ELM algorithm with sliding window subject to time-varying environments. *Memetic Computing*, **2018**, 10, 43-52	3.4	6
68	Alumina Concentration Detection Based on the Kernel Extreme Learning Machine. *Sensors*, **2017**, 17,	3.8	6
67	A Specific Genetic Algorithm for Optimum Path Planning in Intelligent Transportation System **2006**,		6
66	Application of the improved the ELM algorithm for prediction of blast furnace gas utilization rate. *IFAC-PapersOnLine*, **2018**, 51, 59-64	0.7	6
65	Burden Surface Decision Using MODE With TOPSIS in Blast Furnace Ironmkaing. *IEEE Access*, **2020**, 8, 35712-35725	3.5	5
64	An Imaging Algorithm for Burden Surface with T-shaped MIMO Radar in the Blast Furnace. *ISIJ International*, **2014**, 54, 2831-2836	1.7	5
63	An improved potential field method for mobile robot path planning in dynamic environments **2008**,		5
62	Development of low cost motion-sensing system. *Measurement: Journal of the International Measurement Confederation*, **2007**, 40, 415-421	4.6	5
61	An Improved ELM Algorithm Based on EM-ELM and Ridge Regression. *Lecture Notes in Computer Science*, **2013**, 756-763	0.9	5
60	Prediction model of hot metal temperature for blast furnace based on improved multi-layer extreme learning machine. *International Journal of Machine Learning and Cybernetics*, **2019**, 10, 2739-2752	3.8	5

59	Neural-network-based adaptive control for bilateral teleoperation with multiple slaves under Round-Robin scheduling protocol. *International Journal of Control*, **2021**, 94, 1461-1474	1.5	5
58	Model-Free Event-Triggered Containment Control of Multi-Agent Systems **2018**,		4
57	Fast Automatic Target Detection System Based on a Visible Image Sensor and Ripple Algorithm. *IEEE Sensors Journal*, **2013**, 13, 2720-2728	4	4
56	An improved PSO for path planning of mobile robots and its parameters discussion **2010**,		4
55	Off-policy reinforcement learning for robust control of discrete-time uncertain linear systems **2017** ,		3
54	An ELM Based Online Soft Sensing Approach for Alumina Concentration Detection. *Mathematical Problems in Engineering*, **2015**, 2015, 1-8	1.1	3
53	An Improved Chaos Genetic Algorithm for T-Shaped MIMO Radar Antenna Array Optimization. *International Journal of Antennas and Propagation*, **2014**, 2014, 1-6	1.2	3
52	A Novel Human Motion Tracking Approach Based on a Wireless Sensor Network. *International Journal of Distributed Sensor Networks*, **2013**, 9, 636052	1.7	3
51	A New Nonlinear Process Monitoring Method Based on Linear and Nonlinear Partition. *Industrial & Engineering Chemistry Research*, **2019**, 58, 17445-17454	3.9	2
50	Composite Adaptive Control of Teleoperators With Joint Flexibility, Uncertain Parameters, and Time-Delays. *IEEE Access*, **2019**, 7, 115673-115681	3.5	2
49	Data-Driven Nonzero-Sum Game for Discrete-Time Systems Using Off-Policy Reinforcement Learning. *IEEE Access*, **2020**, 8, 14074-14088	3.5	2
48	IMC-based Design for Teleoperation Systems with Time Delays. *International Journal of Control, Automation and Systems*, **2018**, 16, 887-895	2.9	2
47	Containment control of heterogeneous systems with active leaders of bounded unknown control using reinforcement learning **2017**,		2
46	Research and practice on Aluminum Industry 4.0 **2015**,		2
45	Vehicle Tracking Algorithm Based on Observation Feedback and Block Symmetry Particle Filter. *Journal of Electrical and Computer Engineering*, **2014**, 2014, 1-8	1.9	2
44	Fuzzy static output feedback H infinity control for nonlinear systems with time-varying delay: An LMI approach **2010**,		2
43	Robot Obstacle Avoidance based on an Improved Ant Colony Algorithm **2009**,		2
42	Study on Tourism Grey Forecast System Based on Multi-agents **2008**,		2

41	A Cognitive Model for Learning Autonomous Nonplayer Characters **2006**,		2
40	KANSEI-BASED IMAGE RETRIEVAL WITH BAYESIAN DECISION MODELS AND RELEVANCE FEEDBACK. *KANSEI Engineering International*, **2008**, 7, 171-180		2
39	Adaptive control of teleoperation systems with prescribed tracking performance: a BLF-based approach. *International Journal of Control*, **2020**, 1-11	1.5	2
38	Tracking of stribeck friction based on second-order linear extended state observer **2016**,		2
37	Active disturbance rejection control in Stribeck friction dynamic compensation for high-accuracy servo systems **2016**,		2
36	Safe Intermittent Reinforcement Learning for Nonlinear Systems **2019**,		2
35	Multiple-Neural-Networks-Based Adaptive Control for Bilateral Teleoperation Systems with Time-Varying Delays **2018**,		2
34	Improved multi-layer online sequential extreme learning machine and its application for hot metal silicon content. *Journal of the Franklin Institute*, **2020**, 357, 12588-12608	4	1
33	Log Likelihood Monitoring for Multimode Process Using Variational Bayesian Mixture Factor Analysis Model. *IEEE Access*, **2019**, 7, 89083-89092	3.5	1
32	Quantitative association rule mining for blast furnace production data **2017**,		1
31	**2015**,		1
30	Acceleration feedback control for teleoperation systems with asymmetric time-varying delays **2015**,		1
29	Notice of Removal: Active disturbance rejection control for nonlinear two-tank liquid level cascade systems with model uncertainties **2015**,		1
28	Temperature Identification of Electrical Heating Furnace Based on Elman Network Combined with Improved PSO. *Applied Mechanics and Materials*, **2010**, 20-23, 82-87	0.3	1
27	Task-Oriented Spoken Dialogue System for Humanoid Robot **2010**,		1
26	Application of fuzzy pattern recognition in burden surface identification **2010**,		1
25	Active Disturbance Rejection Control simulation toolbox in open-source software Scilab/Xcos **2011**,		1
24	Chinese text sentiment classification based on granule network **2009**,		1

23	Dynamic range criterion of THz spectrum for amino acids measurements. *Frontiers of Optoelectronics in China*, **2009**, 2, 239-243		1
22	Application research on data-based third-order linear extended state observer filter for hot strip width **2012**,		1
21	**2009**,		1
20	A Novel Approach to Classify Imbalanced Dataset Based on Rare Attributes and Double Confidences **2009**,		1
19	Comparative Studies of Fuzzy Genetic Algorithms. *Lecture Notes in Computer Science*, **2007**, 251-256	0.9	1
18	**2006**,		1
17	Hamiltonian-Driven Adaptive Dynamic Programming Based on Extreme Learning Machine. *Lecture Notes in Computer Science*, **2017**, 197-205	0.9	1
16	Adaptive singularity-free controller design of constrained nonlinear systems with prescribed performance. *Neurocomputing*, **2020**, 417, 212-223	5.4	1
15	A Novel Prediction Algorithm for the Cross Temperature Estimation of Blast Furnace. *IOP Conference Series: Materials Science and Engineering*, **2019**, 533, 012035	0.4	1
14	Blast furnace condition data clustering based on combination of T-distributed stochastic neighbor embedding and spectral clustering **2019**,		1
13	Prediction of Hot Metal Silicon Content for Blast Furnace Based on Multi-Layer Online Sequential Extreme Learning Machine **2018**,		1
12	Adaptive Control of Delayed Teleoperation Systems with Parameter Convergence. *Mathematical Problems in Engineering*, **2018**, 2018, 1-7	1.1	1
11	An LMI Approach to Guaranteed Cost Control Design for Teleoperation Systems. *Mathematical Problems in Engineering*, **2015**, 2015, 1-9	1.1	0
10	A 3-Dimensional display and process software for THz spectrum. *Journal of Physics: Conference Series*, **2011**, 276, 012210	0.3	0
9	Mobile Sensing and Simultaneously Node Localization in Wireless Sensor Networks for Human Motion Tracking. *Applied Bionics and Biomechanics*, **2012**, 9, 367-374	1.6	
8	A multi-agent local-learning algorithm under group enviroment. *Journal of Electronics*, **2009**, 26, 229-236		
7	Pulsed Para-neural Networks (PPNN) Based on MEXORs and Counters. *Lecture Notes in Computer Science*, **2005**, 509-514	0.9	
6	A New Approach Supporting Perception Guiding and Multi-objective Decision Making for Behavior Animation **2007**, 751-762		

5	The Improved Regularized Extreme Learning Machine for the Estimation of Gas Flow Temperature of Blast Furnace. *Lecture Notes in Electrical Engineering*, **2020**, 292-300	0.2
4	Observer-based Adaptive Controller Design for Nonlinear Saturation Systems With Output Constraints. *IFAC-PapersOnLine*, **2020**, 53, 675-680	0.7
3	Modeling for Two-Cart Mass-Spring-Damper System with Uncertainties Based on Mixed Synthesis. *Lecture Notes in Electrical Engineering*, **2015**, 521-529	0.2
2	Prediction of Permeability Index of Blast Furnace Based on Online Sequential Extreme Learning Machine. *Lecture Notes in Electrical Engineering*, **2019**, 373-383	0.2
1	Adaptive Dynamic Programming in the Hamiltonian-Driven Framework. *Studies in Systems, Decision and Control*, **2021**, 189-214	0.8