

Yixin Yin

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Neural-network-based adaptive control for bilateral teleoperation with multiple slaves under Round-Robin scheduling protocol. <i>International Journal of Control</i> , 2021 , 94, 1461-1474 | 1.5 | 5 |
| 111 | Adaptive Dynamic Programming in the Hamiltonian-Driven Framework. <i>Studies in Systems, Decision and Control</i> , 2021 , 189-214 | 0.8 | |
| 110 | Improved multi-layer online sequential extreme learning machine and its application for hot metal silicon content. <i>Journal of the Franklin Institute</i> , 2020 , 357, 12588-12608 | 4 | 1 |
| 109 | Burden Surface Decision Using MODE With TOPSIS in Blast Furnace Ironmaking. <i>IEEE Access</i> , 2020 , 8, 35712-35725 | 3.5 | 5 |
| 108 | Safe Intermittent Reinforcement Learning With Static and Dynamic Event Generators. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 5441-5455 | 10.3 | 21 |
| 107 | Data-Driven Nonzero-Sum Game for Discrete-Time Systems Using Off-Policy Reinforcement Learning. <i>IEEE Access</i> , 2020 , 8, 14074-14088 | 3.5 | 2 |
| 106 | . <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-12 | 7.3 | 20 |
| 105 | The Improved Regularized Extreme Learning Machine for the Estimation of Gas Flow Temperature of Blast Furnace. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 292-300 | 0.2 | |
| 104 | Observer-based Adaptive Controller Design for Nonlinear Saturation Systems With Output Constraints. <i>IFAC-PapersOnLine</i> , 2020 , 53, 675-680 | 0.7 | |
| 103 | Online barrier-actor-critic learning for H _∞ control with full-state constraints and input saturation. <i>Journal of the Franklin Institute</i> , 2020 , 357, 3316-3344 | 4 | 26 |
| 102 | Adaptive singularity-free controller design of constrained nonlinear systems with prescribed performance. <i>Neurocomputing</i> , 2020 , 417, 212-223 | 5.4 | 1 |
| 101 | Adaptive control of teleoperation systems with prescribed tracking performance: a BLF-based approach. <i>International Journal of Control</i> , 2020 , 1-11 | 1.5 | 2 |
| 100 | Data-Driven Multiobjective Optimization for Burden Surface in Blast Furnace With Feedback Compensation. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2233-2244 | 11.9 | 22 |
| 99 | Composite adaptive control for bilateral teleoperation systems without persistency of excitation. <i>Journal of the Franklin Institute</i> , 2020 , 357, 773-795 | 4 | 7 |
| 98 | Bilateral Teleoperation of Multiple Robots Under Scheduling Communication. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 1770-1784 | 4.8 | 12 |
| 97 | Dynamic Intermittent Feedback Design for H _∞ Containment Control on a Directed Graph. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 3752-3765 | 10.2 | 21 |
| 96 | A New Nonlinear Process Monitoring Method Based on Linear and Nonlinear Partition. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 17445-17454 | 3.9 | 2 |

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| 95 | Composite Adaptive Control of Teleoperators With Joint Flexibility, Uncertain Parameters, and Time-Delays. <i>IEEE Access</i> , 2019 , 7, 115673-115681 | 3.5 | 2 |
| 94 | Data-Driven Integral Reinforcement Learning for Continuous-Time Non-Zero-Sum Games. <i>IEEE Access</i> , 2019 , 7, 82901-82912 | 3.5 | 9 |
| 93 | Data-Driven Robust Control of Discrete-Time Uncertain Linear Systems via Off-Policy Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 3735-3747 | 10.3 | 34 |
| 92 | Log Likelihood Monitoring for Multimode Process Using Variational Bayesian Mixture Factor Analysis Model. <i>IEEE Access</i> , 2019 , 7, 89083-89092 | 3.5 | 1 |
| 91 | . <i>IEEE Access</i> , 2019 , 7, 125919-125928 | 3.5 | 13 |
| 90 | A Novel Prediction Algorithm for the Cross Temperature Estimation of Blast Furnace. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 533, 012035 | 0.4 | 1 |
| 89 | Blast furnace condition data clustering based on combination of T-distributed stochastic neighbor embedding and spectral clustering 2019 , | | 1 |
| 88 | Safe Intermittent Reinforcement Learning for Nonlinear Systems 2019 , | | 2 |
| 87 | Safety-Aware Reinforcement Learning Framework with an Actor-Critic-Barrier Structure 2019 , | | 11 |
| 86 | A Soft Sensing Scheme of Gas Utilization Ratio Prediction for Blast Furnace Via Improved Extreme Learning Machine. <i>Neural Processing Letters</i> , 2019 , 50, 1191-1213 | 2.4 | 10 |
| 85 | Prediction of Permeability Index of Blast Furnace Based on Online Sequential Extreme Learning Machine. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 373-383 | 0.2 | |
| 84 | Prediction model of hot metal temperature for blast furnace based on improved multi-layer extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2019 , 10, 2739-2752 | 3.8 | 5 |
| 83 | Optimal Containment Control of Unknown Heterogeneous Systems With Active Leaders. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1228-1236 | 4.8 | 43 |
| 82 | Adaptive Task-Space Synchronization Control of Bilateral Teleoperation Systems With Uncertain Parameters and Communication Delays. <i>IEEE Access</i> , 2018 , 6, 5740-5748 | 3.5 | 17 |
| 81 | Leader-Follower Output Synchronization of Linear Heterogeneous Systems With Active Leader Using Reinforcement Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 2139-2153 | 10.3 | 66 |
| 80 | IMC-based Design for Teleoperation Systems with Time Delays. <i>International Journal of Control, Automation and Systems</i> , 2018 , 16, 887-895 | 2.9 | 2 |
| 79 | Data-driven prediction model for adjusting burden distribution matrix of blast furnace based on improved multilayer extreme learning machine. <i>Soft Computing</i> , 2018 , 22, 3575-3589 | 3.5 | 8 |
| 78 | Kernel online sequential ELM algorithm with sliding window subject to time-varying environments. <i>Memetic Computing</i> , 2018 , 10, 43-52 | 3.4 | 6 |

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| 77 | Prediction model of permeability index for blast furnace based on the improved multi-layer extreme learning machine and wavelet transform. <i>Journal of the Franklin Institute</i> , 2018 , 355, 1663-1691 ⁴ | | 14 |
| 76 | Prediction of the hot metal silicon content in blast furnace based on extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , 2018 , 9, 1697-1706 | 3.8 | 13 |
| 75 | Model-Free Event-Triggered Containment Control of Multi-Agent Systems 2018 , | | 4 |
| 74 | The Prediction of the Gas Utilization Ratio based on TS Fuzzy Neural Network and Particle Swarm Optimization. <i>Sensors</i> , 2018 , 18, | 3.8 | 21 |
| 73 | Containment Control of Heterogeneous Systems With Non-Autonomous Leaders: A Distributed Optimal Model Reference Approach. <i>IEEE Access</i> , 2018 , 6, 60689-60703 | 3.5 | 7 |
| 72 | Application of the improved the ELM algorithm for prediction of blast furnace gas utilization rate. <i>IFAC-PapersOnLine</i> , 2018 , 51, 59-64 | 0.7 | 6 |
| 71 | Real-time Detection of Steel Strip Surface Defects Based on Improved YOLO Detection Network. <i>IFAC-PapersOnLine</i> , 2018 , 51, 76-81 | 0.7 | 80 |
| 70 | Prediction of Hot Metal Silicon Content for Blast Furnace Based on Multi-Layer Online Sequential Extreme Learning Machine 2018 , | | 1 |
| 69 | Multiple-Neural-Networks-Based Adaptive Control for Bilateral Teleoperation Systems with Time-Varying Delays 2018 , | | 2 |
| 68 | Parallel one-class extreme learning machine for imbalance learning based on Bayesian approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2018 , 1 | 3.7 | 12 |
| 67 | Adaptive Control of Delayed Teleoperation Systems with Parameter Convergence. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-7 | 1.1 | 1 |
| 66 | Hamiltonian-Driven Adaptive Dynamic Programming for Continuous Nonlinear Dynamical Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1929-1940 | 10.3 | 49 |
| 65 | Online sequential ELM algorithm with forgetting factor for real applications. <i>Neurocomputing</i> , 2017 , 261, 144-152 | 5.4 | 26 |
| 64 | Klf5 Mediates Odontoblastic Differentiation through Regulating Dentin-Specific Extracellular Matrix Gene Expression during Mouse Tooth Development. <i>Scientific Reports</i> , 2017 , 7, 46746 | 4.9 | 9 |
| 63 | Development of Blast Furnace Burden Distribution Process Modeling and Control. <i>ISIJ International</i> , 2017 , 57, 1350-1363 | 1.7 | 15 |
| 62 | Off-policy reinforcement learning for robust control of discrete-time uncertain linear systems 2017 , | | 3 |
| 61 | Quantitative association rule mining for blast furnace production data 2017 , | | 1 |
| 60 | Containment control of heterogeneous systems with active leaders of bounded unknown control using reinforcement learning 2017 , | | 2 |

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| 59 | A Novel Online Sequential Extreme Learning Machine for Gas Utilization Ratio Prediction in Blast Furnaces. <i>Sensors</i> , 2017 , 17, | 3.8 | 36 |
| 58 | Alumina Concentration Detection Based on the Kernel Extreme Learning Machine. <i>Sensors</i> , 2017 , 17, | 3.8 | 6 |
| 57 | Hamiltonian-Driven Adaptive Dynamic Programming Based on Extreme Learning Machine. <i>Lecture Notes in Computer Science</i> , 2017 , 197-205 | 0.9 | 1 |
| 56 | A modified ELM algorithm for the prediction of silicon content in hot metal. <i>Neural Computing and Applications</i> , 2016 , 27, 241-247 | 4.8 | 9 |
| 55 | An improved ELM algorithm for the measurement of hot metal temperature in blast furnace. <i>Neurocomputing</i> , 2016 , 174, 232-237 | 5.4 | 32 |
| 54 | Tracking of stribeck friction based on second-order linear extended state observer 2016 , | | 2 |
| 53 | Active disturbance rejection control in Stribeck friction dynamic compensation for high-accuracy servo systems 2016 , | | 2 |
| 52 | On control design and tuning for first order plus time delay plants with significant uncertainties 2015 , | | 8 |
| 51 | Guaranteed cost control design for delayed teleoperation systems. <i>Journal of the Franklin Institute</i> , 2015 , 352, 5085-5105 | 4 | 15 |
| 50 | 2015 , | | 1 |
| 49 | An ELM Based Online Soft Sensing Approach for Alumina Concentration Detection. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-8 | 1.1 | 3 |
| 48 | An LMI Approach to Guaranteed Cost Control Design for Teleoperation Systems. <i>Mathematical Problems in Engineering</i> , 2015 , 2015, 1-9 | 1.1 | 0 |
| 47 | Acceleration feedback control for teleoperation systems with asymmetric time-varying delays 2015 , | | 1 |
| 46 | Research and practice on Aluminum Industry 4.0 2015 , | | 2 |
| 45 | Notice of Removal: Active disturbance rejection control for nonlinear two-tank liquid level cascade systems with model uncertainties 2015 , | | 1 |
| 44 | Active control of impulsive noise with symmetric stable distribution based on an improved step-size normalized adaptive algorithm. <i>Mechanical Systems and Signal Processing</i> , 2015 , 56-57, 320-339 | 7.8 | 20 |
| 43 | Acceleration feedback control for nonlinear teleoperation systems with time delays. <i>International Journal of Control</i> , 2015 , 88, 507-516 | 1.5 | 8 |
| 42 | Modeling for Two-Cart Mass-Spring-Damper System with Uncertainties Based on Mixed Synthesis. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 521-529 | 0.2 | |

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| 41 | An Improved Chaos Genetic Algorithm for T-Shaped MIMO Radar Antenna Array Optimization. <i>International Journal of Antennas and Propagation</i> , 2014 , 2014, 1-6 | 1.2 | 3 |
| 40 | An Imaging Algorithm for Burden Surface with T-shaped MIMO Radar in the Blast Furnace. <i>ISIJ International</i> , 2014 , 54, 2831-2836 | 1.7 | 5 |
| 39 | Vehicle Tracking Algorithm Based on Observation Feedback and Block Symmetry Particle Filter. <i>Journal of Electrical and Computer Engineering</i> , 2014 , 2014, 1-8 | 1.9 | 2 |
| 38 | Fast Automatic Target Detection System Based on a Visible Image Sensor and Ripple Algorithm. <i>IEEE Sensors Journal</i> , 2013 , 13, 2720-2728 | 4 | 4 |
| 37 | A Novel Human Motion Tracking Approach Based on a Wireless Sensor Network. <i>International Journal of Distributed Sensor Networks</i> , 2013 , 9, 636052 | 1.7 | 3 |
| 36 | Path planning based on fuzzy logic algorithm for mobile robots in static environment 2013 , | | 7 |
| 35 | An Improved ELM Algorithm Based on EM-ELM and Ridge Regression. <i>Lecture Notes in Computer Science</i> , 2013 , 756-763 | 0.9 | 5 |
| 34 | Further studies on relaxed stabilization conditions for discrete-time two-dimension Takagi Sugeno fuzzy systems. <i>Information Sciences</i> , 2012 , 189, 143-154 | 7.7 | 23 |
| 33 | . <i>IEEE Transactions on Industrial Electronics</i> , 2012 , 59, 4433-4442 | 8.9 | 14 |
| 32 | Mobile Sensing and Simultaneously Node Localization in Wireless Sensor Networks for Human Motion Tracking. <i>Applied Bionics and Biomechanics</i> , 2012 , 9, 367-374 | 1.6 | |
| 31 | A new result on state feedback robust stabilization for discrete-time fuzzy singularly perturbed systems. <i>Asian Journal of Control</i> , 2012 , 14, 784-794 | 1.7 | 9 |
| 30 | An algorithmic framework of discrete particle swarm optimization. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1125-1130 | 7.5 | 14 |
| 29 | Application research on data-based third-order linear extended state observer filter for hot strip width 2012 , | | 1 |
| 28 | A 3-Dimensional display and process software for THz spectrum. <i>Journal of Physics: Conference Series</i> , 2011 , 276, 012210 | 0.3 | 0 |
| 27 | Active Disturbance Rejection Control simulation toolbox in open-source software Scilab/Xcos 2011 , | | 1 |
| 26 | An improved PSO for path planning of mobile robots and its parameters discussion 2010 , | | 4 |
| 25 | A Hybrid of Particle Swarm Optimization and Local Search for Multimodal Functions. <i>Lecture Notes in Computer Science</i> , 2010 , 589-596 | 0.9 | 7 |
| 24 | Temperature Identification of Electrical Heating Furnace Based on Elman Network Combined with Improved PSO. <i>Applied Mechanics and Materials</i> , 2010 , 20-23, 82-87 | 0.3 | 1 |

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| 23 | Task-Oriented Spoken Dialogue System for Humanoid Robot 2010 , | | | 1 |
| 22 | Application of fuzzy pattern recognition in burden surface identification 2010 , | | | 1 |
| 21 | Fuzzy static output feedback H infinity control for nonlinear systems with time-varying delay: An LMI approach 2010 , | | | 2 |
| 20 | Chinese text sentiment classification based on granule network 2009 , | | | 1 |
| 19 | Robot Obstacle Avoidance based on an Improved Ant Colony Algorithm 2009 , | | | 2 |
| 18 | Dynamic range criterion of THz spectrum for amino acids measurements. <i>Frontiers of Optoelectronics in China</i> , 2009 , 2, 239-243 | | | 1 |
| 17 | A multi-agent local-learning algorithm under group environment. <i>Journal of Electronics</i> , 2009 , 26, 229-236 | | | |
| 16 | A new potential field method for mobile robot path planning in the dynamic environments. <i>Asian Journal of Control</i> , 2009 , 11, 214-225 | 1.7 | | 41 |
| 15 | 2009 , | | | 1 |
| 14 | A Novel Approach to Classify Imbalanced Dataset Based on Rare Attributes and Double Confidences 2009 , | | | 1 |
| 13 | An improved potential field method for mobile robot path planning in dynamic environments 2008 , | | | 5 |
| 12 | Decision-level fusion of infrared and visible images for face recognition 2008 , | | | 7 |
| 11 | Study on Tourism Grey Forecast System Based on Multi-agents 2008 , | | | 2 |
| 10 | KANSEI-BASED IMAGE RETRIEVAL WITH BAYESIAN DECISION MODELS AND RELEVANCE FEEDBACK. <i>KANSEI Engineering International</i> , 2008 , 7, 171-180 | | | 2 |
| 9 | Development of low cost motion-sensing system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2007 , 40, 415-421 | 4.6 | | 5 |
| 8 | Comparative Studies of Fuzzy Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2007 , 251-256 | 0.9 | | 1 |
| 7 | A New Approach Supporting Perception Guiding and Multi-objective Decision Making for Behavior Animation 2007 , 751-762 | | | |
| 6 | A Cognitive Model for Learning Autonomous Nonplayer Characters 2006 , | | | 2 |

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| 5 | A Specific Genetic Algorithm for Optimum Path Planning in Intelligent Transportation System 2006 , | 6 |
| 4 | An Improved Genetic Algorithm of Optimum Path Planning for Mobile Robots 2006 , | 30 |
| 3 | 2006 , | 1 |
| 2 | Recognition of moving ground targets by measuring and processing seismic signal. <i>Measurement: Journal of the International Measurement Confederation</i> , 2005 , 37, 189-199 | 4.6 25 |
| 1 | Pulsed Para-neural Networks (PPNN) Based on MEXORs and Counters. <i>Lecture Notes in Computer Science</i> , 2005 , 509-514 | 0.9 |