

Xiaofang Yuan

List of Publications by Year in descending order

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87
papers

1,897
citations

218381

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89
all docs

89
docs citations

89
times ranked

1875
citing authors

#	ARTICLE	IF	CITATIONS
1	Bidirectional Extreme Learning Machine for Regression Problem and Its Learning Effectiveness. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1498-1505.	7.2	166
2	On a novel multi-swarm fruit fly optimization algorithm and its application. Applied Mathematics and Computation, 2014, 233, 260-271.	1.4	119
3	Parameter extraction of solar cell models using mutative-scale parallel chaos optimization algorithm. Solar Energy, 2014, 108, 238-251.	2.9	106
4	Multiobjective Optimization of HEV Fuel Economy and Emissions Using the Self-Adaptive Differential Evolution Algorithm. IEEE Transactions on Vehicular Technology, 2011, 60, 2458-2470.	3.9	103
5	Position-Sensorless Hybrid Sliding-Mode Control of Electric Vehicles With Brushless DC Motor. IEEE Transactions on Vehicular Technology, 2011, 60, 421-432.	3.9	94
6	Model predictive controller-based multi-model control system for longitudinal stability of distributed drive electric vehicle. ISA Transactions, 2018, 72, 44-55.	3.1	64
7	Hybrid parallel chaos optimization algorithm with harmony search algorithm. Applied Soft Computing Journal, 2014, 17, 12-22.	4.1	63
8	Parameter extraction of solar cell models using chaotic asexual reproduction optimization. Neural Computing and Applications, 2015, 26, 1227-1239.	3.2	56
9	L2-Gain Adaptive Robust Control for Hybrid Energy Storage System in Electric Vehicles. IEEE Transactions on Power Electronics, 2021, 36, 7319-7332.	5.4	56
10	Multi-objective optimization of stand-alone hybrid PV-wind-diesel-battery system using improved fruit fly optimization algorithm. Soft Computing, 2016, 20, 2841-2853.	2.1	51
11	A BP-PID controller-based multi-model control system for lateral stability of distributed drive electric vehicle. Journal of the Franklin Institute, 2019, 356, 7290-7311.	1.9	46
12	A Novel Electronic-Throttle-Valve Controller Based on Approximate Model Method. IEEE Transactions on Industrial Electronics, 2009, 56, 883-890.	5.2	45
13	Robust Regenerative Charging Control Based on Tâ€™S Fuzzy Sliding-Mode Approach for Advanced Electric Vehicle. IEEE Transactions on Transportation Electrification, 2016, 2, 52-65.	5.3	45
14	Improved Adaptive Path Following Control System for Autonomous Vehicle in Different Velocities. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3247-3256.	4.7	38
15	SVM-Based Approximate Model Control for Electronic Throttle Valve. IEEE Transactions on Vehicular Technology, 2008, 57, 2747-2756.	3.9	37
16	Data Partition Learning With Multiple Extreme Learning Machines. IEEE Transactions on Cybernetics, 2015, 45, 1463-1475.	6.2	37
17	Neural Network Based Self-Learning Control Strategy for Electronic Throttle Valve. IEEE Transactions on Vehicular Technology, 2010, 59, 3757-3765.	3.9	34
18	Parameter identification of BIPT system using chaotic-enhanced fruit fly optimization algorithm. Applied Mathematics and Computation, 2015, 268, 1267-1281.	1.4	30

#	ARTICLE	IF	CITATIONS
19	Initial Rotor Position Detection for Sensorless Interior PMSM With Square-Wave Voltage Injection. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	30
20	Self-adapting control parameters modified differential evolution for trajectory planning of manipulators. Journal of Control Theory and Applications, 2007, 5, 365-373.	0.8	29
21	Hybrid chaos optimization algorithm with artificial emotion. Applied Mathematics and Computation, 2012, 218, 6585-6611.	1.4	29
22	A Regression Method With Subnetwork Neurons for Vigilance Estimation Using EOG and EEG. IEEE Transactions on Cognitive and Developmental Systems, 2021, 13, 209-222.	2.6	29
23	Neural networks based self-learning PID control of electronic throttle. Nonlinear Dynamics, 2009, 55, 385-393.	2.7	28
24	A self-adaptive multi-objective harmony search algorithm based on harmony memory variance. Applied Soft Computing Journal, 2015, 35, 541-557.	4.1	28
25	MPC-based compensation control system for the yaw stability of distributed drive electric vehicle. International Journal of Systems Science, 2018, 49, 1795-1808.	3.7	27
26	Low-carbon joint scheduling in flexible open-shop environment with constrained automatic guided vehicle by multi-objective particle swarm optimization. Applied Soft Computing Journal, 2021, 111, 107695.	4.1	27
27	Parallel Chaos Search Based Incremental Extreme Learning Machine. Neural Processing Letters, 2013, 37, 277-301.	2.0	25
28	Improved parallel chaos optimization algorithm. Applied Mathematics and Computation, 2012, 219, 3590-3599.	1.4	22
29	Harmony search algorithm-based fuzzy-PID controller for electronic throttle valve. Neural Computing and Applications, 2013, 22, 329-336.	3.2	22
30	Optimal Torque Distribution for the Stability Improvement of a Four-Wheel Distributed-Driven Electric Vehicle Using Coordinated Control. Journal of Computational and Nonlinear Dynamics, 2016, 11, .	0.7	22
31	Two potential fields fused adaptive path planning system for autonomous vehicle under different velocities. ISA Transactions, 2021, 112, 176-185.	3.1	21
32	Parallel chaos optimization algorithm with migration and merging operation. Applied Soft Computing Journal, 2015, 35, 591-604.	4.1	18
33	Multiple model-based fault-tolerant control system for distributed drive electric vehicle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	18
34	Compensation-Based Robust Decoupling Control System for the Lateral and Longitudinal Stability of Distributed Drive Electric Vehicle. IEEE/ASME Transactions on Mechatronics, 2019, 24, 2768-2778.	3.7	18
35	Neural network-based self-learning control for power transmission line deicing robot. Neural Computing and Applications, 2013, 22, 969-986.	3.2	17
36	Double-layer Dynamic Decoupling Control System for the Yaw Stability of Four Wheel Steering Vehicle. International Journal of Control, Automation and Systems, 2019, 17, 1255-1263.	1.6	17

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37	Predictive Control Strategy Based on Extreme Learning Machine for Path-Tracking of Autonomous Mobile Robot. <i>Intelligent Automation and Soft Computing</i> , 2015, 21, 1-19.	1.6	16
38	Operating Point Optimization of Auxiliary Power Unit Based on Dynamic Combined Cost Map and Particle Swarm Optimization. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 7038-7050.	5.4	16
39	An improved chaos optimization algorithm-based parameter identification of synchronous generator. <i>Electrical Engineering</i> , 2012, 94, 147-153.	1.2	15
40	A novel harmony search algorithm with gaussian mutation for multi-objective optimization. <i>Soft Computing</i> , 2017, 21, 1549-1567.	2.1	14
41	Interacting multiple model-based adaptive control system for stable steering of distributed driver electric vehicle under various road excitations. <i>ISA Transactions</i> , 2020, 103, 37-51.	3.1	14
42	Parameter identification of electronic throttle using a hybrid optimization algorithm. <i>Nonlinear Dynamics</i> , 2011, 63, 549-557.	2.7	13
43	Robust Control for Unmanned Aerial Manipulator Under Disturbances. <i>IEEE Access</i> , 2020, 8, 129869-129877.	2.6	13
44	A 3-D Multi-Object Path Planning Method for Electric Vehicle Considering the Energy Consumption and Distance. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 7508-7520.	4.7	12
45	Adaptivity-Enhanced Path Tracking System for Autonomous Vehicles at High Speeds. <i>IEEE Transactions on Intelligent Vehicles</i> , 2020, 5, 626-634.	9.4	12
46	Composite feedforward-feedback controller for generator excitation system. <i>Nonlinear Dynamics</i> , 2008, 54, 355-364.	2.7	11
47	Genetic algorithm-based adaptive fuzzy sliding mode controller for electronic throttle valve. <i>Neural Computing and Applications</i> , 2013, 23, 209-217.	3.2	11
48	Master-slave model-based parallel chaos optimization algorithm for parameter identification problems. <i>Nonlinear Dynamics</i> , 2016, 83, 1727-1741.	2.7	11
49	A Novel Diagnosis Method for a Hall Plates-Based Rotary Encoder with a Magnetic Concentrator. <i>Sensors</i> , 2014, 14, 13980-13998.	2.1	10
50	A Comparative Study Between Novel and Conventional Four-Resonator Coil Structures in Wireless Power Transfer. <i>IEEE Transactions on Magnetics</i> , 2014, 50, 1-4.	1.2	8
51	Output voltage control of inductive power transfer system based on extremum seeking control. <i>IET Power Electronics</i> , 2015, 8, 2290-2298.	1.5	8
52	A mutative-scale pseudo-parallel chaos optimization algorithm. <i>Soft Computing</i> , 2015, 19, 1215-1227.	2.1	8
53	DLMPCS-based improved yaw stability control strategy for DDEV. <i>IET Intelligent Transport Systems</i> , 2019, 13, 1329-1339.	1.7	8
54	LS-SVM Modeling Based Inverse Controller With Uncertainty Compensation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2007, 129, 845-850.	0.9	7

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55	Design of mixed H-two/H-infinity optimal control systems using multiobjective differential evolution algorithm. Journal of Control Theory and Applications, 2013, 11, 521-528.	0.8	7
56	Design of 2-D Recursive Filters Using Self-adaptive Mutation Differential Evolution Algorithm. International Journal of Computational Intelligence Systems, 2011, 4, 644-654.	1.6	6
57	Neural Networks Based PID Control of Bidirectional Inductive Power Transfer System. Neural Processing Letters, 2016, 43, 837-847.	2.0	6
58	A self-adaptive multi-objective harmony search based fuzzy clustering technique for image segmentation. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 14943-14958.	3.3	6
59	Parameter identification of bidirectional IPT system using chaotic asexual reproduction optimization. Nonlinear Dynamics, 2014, 78, 2113-2127.	2.7	5
60	Weighted multiple model control system for the stable steering performance of distributed drive electric vehicle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	4
61	3D Gradient Reconstruction-Based Path Planning Method for Autonomous Vehicle With Enhanced Roll Stability. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 20563-20571.	4.7	4
62	Model Predictive Controller-Based Optimal Slip Ratio Control System for Distributed Driver Electric Vehicle. Mathematical Problems in Engineering, 2020, 2020, 1-15.	0.6	3
63	RBF networks based approximate decoupling controller. International Journal of Modelling, Identification and Control, 2010, 11, 26.	0.2	2
64	Tase Tsk Model Based Inverse Model Controller And Its Application. Intelligent Automation and Soft Computing, 2010, 16, 13-24.	1.6	2
65	RBF networks-based adaptive approximate model controller for steam valving control. Neural Computing and Applications, 2011, 20, 549-556.	3.2	2
66	MPC-based fault tolerant control system for yaw stability of distributed drive electric vehicle. , 2019, , .		2
67	Rigid Shape Matching for 3-D Robotic Grinding Measurement With Applications to Blades. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	2.4	2
68	Geometric Inlier Selection for Robust Rigid Registration With Application to Blade Surfaces. IEEE Transactions on Industrial Electronics, 2022, 69, 9206-9215.	5.2	2
69	Multi-objective casting production scheduling problem by a neighborhood structure enhanced discrete NSGA-II: an application from real-world workshop. Soft Computing, 2022, 26, 8911-8928.	2.1	2
70	Reactive Power Optimization Model for Distribution Networks Based on the Second-Order Cone and Interval Optimization. Energies, 2022, 15, 2235.	1.6	2
71	A Pose Estimation Approach Based on Keypoints Detection for Robotic Bin-picking Application. , 2021, , .		2
72	Error Self-Calibration of Phase Current Reconstruction Based on Random Pulsewidth Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7502-7513.	3.7	2

#	ARTICLE	IF	CITATIONS
73	SVM Approximate Based Comprehensive Nonlinear Control Strategy for TCSC and Generator Governor. , 2007, , .		1
74	Load characteristics clustering of dynamic modeling data. , 2009, , .		1
75	Parameter estimation of disk drive servo system using a hybrid simplex differential evolution algorithm. , 2010, , .		1
76	A hybrid simplex differential evolution algorithm. , 2010, , .		1
77	TRACKING MULTIPLE PERSONS BASED ON ATTRIBUTED RELATIONAL GRAPH. International Journal of Pattern Recognition and Artificial Intelligence, 2011, 25, 713-739.	0.7	1
78	Nonlinear incremental model predictive control in in-wheels-motored electric vehicles. , 2017, , .		1
79	Multiobjective Parallel Chaos Optimization Algorithm with Crossover and Merging Operation. Mathematical Problems in Engineering, 2020, 2020, 1-13.	0.6	1
80	Distributed online active balancing scheme for battery energy storage system. IET Electric Power Applications, 0, , .	1.1	1
81	Design of 2-D Recursive Filters Using Self-adaptive Mutation Differential Evolution Algorithm. International Journal of Computational Intelligence Systems, 2011, 4, 644.	1.6	1
82	SVM Based Adaptive Inverse Controller for Excitation Control. Lecture Notes in Computer Science, 2007, , 469-478.	1.0	1
83	A dynamic estimation-based obstacle avoidance system for AV adapting to various moving directions obstacle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, .	0.8	1
84	3-D path planning system for autonomous vehicle considering the rollover and path length. Journal of the Franklin Institute, 2022, 359, 5272-5272.	1.9	1
85	A novel excitation controller using support vector machines and approximate models. Journal of Control Theory and Applications, 2008, 6, 239-245.	0.8	0
86	Two-DOF Speed Control of Permanent Magnet Synchronous Machine with a novel Parameter Identification Method. , 2020, , .		0
87	Predictive Compensation-Based Handling Stability Control Systems for Autonomous Vehicles under Transient Crosswind. , 2020, , .		0