

Radu-Emil Precup

List of Publications by Year in descending order

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351
papers

7,103
citations

28190

55
h-index

69108

77
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360
all docs

360
docs citations

360
times ranked

4851
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal tuning of interval type-2 fuzzy controllers for nonlinear servo systems using Slime Mould Algorithm. <i>International Journal of Systems Science</i> , 2023, 54, 2941-2956.	3.7	86
2	Colored Petri nets-based control and experimental validation on three-tank system level control. <i>International Journal of General Systems</i> , 2023, 52, 1-47.	1.2	4
3	Reinforcement Learning-based control using Q-learning and gravitational search algorithm with experimental validation on a nonlinear servo system. <i>Information Sciences</i> , 2022, 583, 99-120.	4.0	99
4	Policy Iteration Reinforcement Learning-based control using a Grey Wolf Optimizer algorithm. <i>Information Sciences</i> , 2022, 585, 162-175.	4.0	121
5	Intelligent Paradigms for Diagnosis, Prediction and Control in Healthcare Applications. <i>Intelligent Systems Reference Library</i> , 2022, , 3-41.	1.0	0
6	Hybrid Particle Filterâ€“Particle Swarm Optimization Algorithm and Application to Fuzzy Controlled Servo Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2022, 30, 4286-4297.	6.5	117
7	Improvement of K-means Cluster Quality by Post Processing Resulted Clusters. <i>Procedia Computer Science</i> , 2022, 199, 63-70.	1.2	54
8	Performance Improvement of Low-Cost Iterative Learning-Based Fuzzy Control Systems for Tower Crane Systems. <i>International Journal of Computers, Communications and Control</i> , 2022, 17, .	1.2	8
9	Iterative Feedback Tuning Algorithm for Tower Crane Systems. <i>Procedia Computer Science</i> , 2022, 199, 157-165.	1.2	35
10	A LOW-COST APPROACH TO DATA-DRIVEN FUZZY CONTROL OF SERVO SYSTEMS. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2022, 20, 021.	2.3	2
11	Experiment-Based Approach to Teach Optimization Techniques. <i>IEEE Transactions on Education</i> , 2021, 64, 88-94.	2.0	41
12	Hybrid data-driven fuzzy active disturbance rejection control for tower crane systems. <i>European Journal of Control</i> , 2021, 58, 373-387.	1.6	191
13	Slime Mould Algorithm-Based Tuning of Cost-Effective Fuzzy Controllers for Servo Systems. <i>International Journal of Computational Intelligence Systems</i> , 2021, 14, 1042.	1.6	94
14	A Unified Form of Fuzzy C-Means and K-Means algorithms and its Partitional Implementation. <i>Knowledge-Based Systems</i> , 2021, 214, 106731.	4.0	107
15	Tensor productâ€“based model transformation approach to cart position modeling and control in pendulumâ€“cart systems. <i>Asian Journal of Control</i> , 2021, 23, 1238-1248.	1.9	9
16	Tensor productâ€“based model transformation approach to tower crane systems modeling. <i>Asian Journal of Control</i> , 2021, 23, 1313-1323.	1.9	54
17	Analysis of Monetary Policy Decisions of the National Bank of Romania with Text Mining Techniques. , 2021, , .		1
18	A novel geo-hierarchical population mobility model for spatial spreading of resurgent epidemics. <i>Scientific Reports</i> , 2021, 11, 14341.	1.6	4

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19	Nature-Inspired Optimization Algorithms for Path Planning and Fuzzy Tracking Control of Mobile Robots. Springer Tracts in Nature-inspired Computing, 2021, , 129-148.	1.2	5
20	GWO-Based Optimal Tuning of Type-1 and Type-2 Fuzzy Controllers for Electromagnetic Actuated Clutch Systems. IFAC-PapersOnLine, 2021, 54, 189-194.	0.5	58
21	Tensor Product-Based Model Transformation Technique Applied to Servo Systems Modeling. , 2021, , .		2
22	Data-Driven Model-Free Sliding Mode and Fuzzy Control with Experimental Validation. International Journal of Computers, Communications and Control, 2021, 16, .	1.2	7
23	Design of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity Based on Whale Optimization Algorithm. , 2020, , .		6
24	Whale Optimization Algorithm-Based Tuning of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity. , 2020, , .		1
25	First-Order Active Disturbance Rejection-Virtual Reference Feedback Tuning Control of Tower Crane Systems. , 2020, , .		3
26	Fuzzy Control Systems with Reduced Parametric Sensitivity Design Based on Hybrid Grey Wolf Optimizerâ€“Particle Swarm Optimization. , 2020, , .		1
27	Wilt Dataset-based Comparative Analysis of Three Neural Networks. , 2020, , .		0
28	A framework for improving electoral forecasting based on time-aware polling. Social Network Analysis and Mining, 2020, 10, 1.	1.9	2
29	Models of Two-Wheeled Mobile Robots with Experimental Validation. , 2020, , .		3
30	Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4625-4636.	2.4	120
31	Frequency Domain Design of Controllers for Lighting Process. , 2020, , .		2
32	Extending BigTim Distributed Clustering Platform to Support Mobile Devices. , 2020, , .		0
33	Grey Wolf Optimizer-Based Approaches to Path Planning and Fuzzy Logic-based Tracking Control for Mobile Robots. International Journal of Computers, Communications and Control, 2020, 15, .	1.2	33
34	A CENTER MANIFOLD THEORY-BASED APPROACH TO THE STABILITY ANALYSIS OF STATE FEEDBACK TAKAGI-SUGENO-KANG FUZZY CONTROL SYSTEMS. Facta Universitatis, Series: Mechanical Engineering, 2020, 18, 189.	2.3	4
35	Model-Free Control of Finger Dynamics in Prosthetic Hand Myoelectric-based Control Systems. Studies in Informatics and Control, 2020, 29, 399-410.	0.6	26
36	Model-based fuzzy control results for networked control systems. Reports in Mechanical Engineering, 2020, 1, 10-25.	4.9	49

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37	Second Order Active Disturbance Rejection Control – Virtual Reference Feedback Tuning for Twin Rotor Aerodynamic Systems. , 2020, , .		1
38	Evolving Fuzzy Models for Prosthetic Hand Myoelectric-based Control Using Weighted Recursive Least Squares Algorithm for Identification. , 2019, , .		7
39	A hierarchical learning control framework for tracking tasks, based on model-free principles. , 2019, , .		0
40	TP–Based Fuzzy Control Solutions for Magnetic Levitation Systems. , 2019, , .		0
41	Combination of Data-Driven Active Disturbance Rejection and Takagi-Sugeno Fuzzy Control with Experimental Validation on Tower Crane Systems. <i>Energies</i> , 2019, 12, 1548.	1.6	35
42	Data-Driven Model-Free Tracking Reinforcement Learning Control with VRFT-based Adaptive Actor-Critic. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1807.	1.3	38
43	Nature-inspired algorithms for the optimal tuning of fuzzy controllers. , 2019, , 55-80.		0
44	Adaptive nature-inspired algorithms for the optimal tuning of fuzzy controllers. , 2019, , 81-101.		0
45	Hybrid nature-inspired algorithms for the optimal tuning of fuzzy controllers. , 2019, , 103-114.		2
46	Tensor Product-Based Model Transformation Technique Applied to Modeling Magnetic Levitation Systems. , 2019, , .		0
47	Intelligent Lighting System Platform Architecture and Linear Process Models. , 2019, , .		3
48	Implementing a Platform to Run Clustering Algorithms Using Distributed Computing. , 2019, , .		2
49	Cascade Control Solutions for Level Control of Vertical Three Tank Systems. , 2019, , .		2
50	Speed and Acceleration Control of BLDC Drives Using Different Types of Observers. , 2019, , .		3
51	Evolving Fuzzy and Neural Network Models of Finger Dynamics for Prosthetic Hand Myoelectric-based Control. , 2019, , .		2
52	Tensor Product–Based Model Transformation and Sliding Mode Control of Electromagnetic Actuated Clutch System. , 2019, , .		4
53	Model -Free Adaptive Control With Fuzzy Component for Tower Crane Systems. , 2019, , .		13
54	Combined Model-Free Adaptive Control with Fuzzy Component by Virtual Reference Feedback Tuning for Tower Crane Systems. <i>Procedia Computer Science</i> , 2019, 162, 267-274.	1.2	79

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55	A novel methodology for improving election poll prediction using time-aware polling. , 2019, , .		1
56	RESULTS AND CHALLENGES OF ARTIFICIAL NEURAL NETWORKS USED FOR DECISION-MAKING AND CONTROL IN MEDICAL APPLICATIONS. Facta Universitatis, Series: Mechanical Engineering, 2019, 17, 285.	2.3	67
57	MIMO Fuzzy Control Solutions for the Level Control of Vertical Two Tank Systems. , 2019, , .		6
58	State Observers for Mechatronics Systems with Rigid and Flexible Drive Dynamics. , 2019, , .		0
59	Data-driven model reference control of MIMO vertical tank systems with model-free VRFT and Q-Learning. ISA Transactions, 2018, 73, 227-238.	3.1	67
60	Data-driven model-free slip control of anti-lock braking systems using reinforcement Q-learning. Neurocomputing, 2018, 275, 317-329.	3.5	60
61	Gain-Scheduling Control Solutions for a Strip Winding System with Variable Moment of Inertia. IFAC-PapersOnLine, 2018, 51, 370-375.	0.5	3
62	Second Order Intelligent Proportional-Integral Fuzzy Control of Twin Rotor Aerodynamic Systems. Procedia Computer Science, 2018, 139, 372-380.	1.2	69
63	Discrete time Control Solutions for Inverted Pendulum Crane Mode Control. , 2018, , .		0
64	Data-Driven Active Disturbance Rejection Control of Pendulum Cart Systems. , 2018, , .		6
65	Recurrent Neural Network Models for Myoelectricbased Control of a Prosthetic Hand. , 2018, , .		12
66	Comparative Study of Control Structures for Maglev Systems. , 2018, , .		2
67	Cascade Control Solutions for Maglev Systems. , 2018, , .		4
68	Data-driven MIMO model-free reference tracking control with nonlinear state-feedback and fractional order controllers. Applied Soft Computing Journal, 2018, 73, 992-1003.	4.1	18
69	Tensor Product-Based Model Transformation Technique Applied to Modeling Vertical Three Tank Systems. , 2018, , .		6
70	A Novel Method to Compute the Membership Value of the States of Fuzzy Automata. , 2018, , .		1
71	Feedback Control Solutions for an Electromechanical Process with Rigid Body Dynamics. , 2018, , .		2
72	Parallel Implementation of K-Means Algorithm Using MapReduce Approach. , 2018, , .		4

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73	Control Solutions for Vertical Three-Tank Systems. , 2018, , .		5
74	Structure and Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control Systems. , 2018, , .		5
75	Data-Driven Model-Free Model-Reference Nonlinear Virtual State Feedback Control from Input-Output Data. , 2018, , .		4
76	An Approach to the Design of Nonlinear State-Space Control Systems. Studies in Informatics and Control, 2018, 27, .	0.6	20
77	On a translated frame-based approach to geometric modeling of robots. Robotics and Autonomous Systems, 2017, 91, 49-58.	3.0	4
78	Model-free sliding mode control of nonlinear systems: Algorithms and experiments. Information Sciences, 2017, 381, 176-192.	4.0	118
79	Evolving fuzzy models for the position control of magnetic levitation systems. , 2017, , .		4
80	Model predictive control of a nonlinear laboratory twin rotor aero-dynamical system. , 2017, , .		1
81	Anti-lock braking systems data-driven control using Q-learning. , 2017, , .		1
82	Model-free fuzzy control of twin rotor aerodynamic systems. , 2017, , .		13
83	Evolving fuzzy models for Anti-lock Braking Systems. , 2017, , .		3
84	Multi input-multi output tank system data-driven model reference control. , 2017, , .		1
85	Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity. IEEE Transactions on Industrial Electronics, 2017, 64, 527-534.	5.2	225
86	Model-Free control performance improvement using virtual reference feedback tuning and reinforcement Q-learning. International Journal of Systems Science, 2017, 48, 1071-1083.	3.7	51
87	Combined control solution for an advanced mechatronics application. , 2017, , .		1
88	Takagi-Sugeno fuzzy controller structures for twin rotor aerodynamic systems. , 2017, , .		4
89	Fuzzy logic-based adaptive control scheme for magnetic levitation systems. , 2017, , .		1
90	Data-driven nonlinear VRFT for dead-zone compensation in servo systems control. , 2017, , .		0

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91	Tensor product-based model transformation for position control of magnetic levitation systems. , 2017, , .		19
92	Tensor product-based model transformation for level control of vertical three tank systems. , 2017, , .		6
93	Virtual Reference Feedback Tuning of Model-Free Control Algorithms for Servo Systems. Machines, 2017, 5, 25.	1.2	23
94	An Easily Understandable Grey Wolf Optimizer and Its Application to Fuzzy Controller Tuning. Algorithms, 2017, 10, 68.	1.2	44
95	Proportional-Integral-Derivative Gain-Scheduling Control of a Magnetic Levitation System. International Journal of Computers, Communications and Control, 2017, 12, 599.	1.2	5
96	AUTOMOTIVE APPLICATIONS OF EVOLVING TAKAGI-SUGENO-KANG FUZZY MODELS. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 231.	2.3	3
97	Centroid Update Approach to K-Means Clustering. Advances in Electrical and Computer Engineering, 2017, 17, 3-10.	0.5	21
98	Fuzzy and 2-DOF Controllers for Processes with a Discontinuously Variable Parameter. , 2017, , .		2
99	Three-level hierarchical model-free learning approach to trajectory tracking control. Engineering Applications of Artificial Intelligence, 2016, 55, 103-118.	4.3	32
100	An H-infinity approach to optimal control of oxygen and carbon dioxide contents in blood. AIP Conference Proceedings, 2016, , .	0.3	1
101	Mixed MFC-VRFT Approach for a multivariable aerodynamic system position control. , 2016, , .		6
102	An adaptable feedback control solution for a drive system with variable parameters. , 2016, , .		0
103	Improving model reference control performance using model-free VRFT and Q-learning. , 2016, , .		0
104	Nature-Inspired Optimization of Fuzzy Controllers and Fuzzy Models. , 2016, , 697-729.		2
105	Proportional-integral gain-scheduling control of a magnetic levitation system. , 2016, , .		8
106	Evolving fuzzy models for the position control of twin rotor aerodynamic systems. , 2016, , .		5
107	Virtual Reference Feedback Tuning of MIMO Data-Driven Model-Free Adaptive Control Algorithms. IFIP Advances in Information and Communication Technology, 2016, , 253-260.	0.5	4
108	Multi-input-multi-output system experimental validation of model-free control and virtual reference feedback tuning techniques. IET Control Theory and Applications, 2016, 10, 1395-1403.	1.2	64

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109	Grey Wolf Optimizer-Based Approach to the Tuning of Pi-Fuzzy Controllers with a Reduced Process Parametric Sensitivity. IFAC-PapersOnLine, 2016, 49, 55-60.	0.5	80
110	Virtual Reference Feedback Tuning for position control of a twin rotor aerodynamic system. , 2016, , .		2
111	Data-driven virtual reference feedback tuning and reinforcement Q-learning for model-free position control of an aerodynamic system. , 2016, , .		3
112	On the architecture of a clustering platform for the analysis of big volumes of data. , 2016, , .		4
113	Facial expression recognition system based on a face statistical model and Support Vector Machines. , 2016, , .		2
114	Experiment-based comparison of nature-inspired algorithms for optimal tuning of PI-fuzzy controlled nonlinear DC servo systems. , 2016, , .		0
115	Particle Swarm Optimization of fuzzy models for electromagnetic actuated clutch systems. , 2016, , .		2
116	Evolving fuzzy models for myoelectric-based control of a prosthetic hand. , 2016, , .		20
117	State feedback and proportional-integral-derivative control of a magnetic levitation system. , 2016, , .		11
118	Hierarchical data-driven Model-Free Iterative Learning Control using primitives. , 2016, , .		1
119	Recurrent dynamic neural network model for myoelectric-based control of a prosthetic hand. , 2016, , .		13
120	Model-free constrained data-driven iterative reference input tuning algorithm with experimental validation. International Journal of General Systems, 2016, 45, 455-476.	1.2	16
121	State Feedback Control Solutions for a Mechatronics System with Variable Moment of Inertia. , 2016, , .		2
122	Data-based two-degree-of-freedom iterative control approach to constrained nonlinear systems. IET Control Theory and Applications, 2015, 9, 1000-1010.	1.2	30
123	Fuzzy control of an anaerobic digestion process. , 2015, , .		0
124	Optimal motion prediction using a primitive-based model-free iterative control approach for crane systems. , 2015, , .		1
125	Model predictive control of a mechatronic system with variable inputs. , 2015, , .		0
126	Extremum seeking control for an anaerobic digestion process. , 2015, , .		9

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127	Two data-driven control algorithms for a MIMO aerodynamic system with experimental validation. , 2015, , .		5
128	Adaptive Charged System Search Approach to Path Planning for Multiple Mobile Robots. IFAC-PapersOnLine, 2015, 48, 294-299.	0.5	7
129	ROS-based robot navigation and human interaction in indoor environment. , 2015, , .		13
130	Backtracking Search Optimization Algorithm-based approach to PID controller tuning for torque motor systems. , 2015, , .		6
131	Data-driven optimal model-free control of twin rotor aerodynamic systems. , 2015, , .		7
132	An overview on fault diagnosis and nature-inspired optimal control of industrial process applications. Computers in Industry, 2015, 74, 75-94.	5.7	136
133	Model predictive control solution for magnetic levitation systems. , 2015, , .		8
134	Takagi-Sugeno PD+l fuzzy control of processes with variable moment of inertia. , 2015, , .		4
135	Optimal behaviour prediction using a primitive-based data-driven model-free iterative learning control approach. Computers in Industry, 2015, 74, 95-109.	5.7	28
136	PI and PID controller tuning for an automotive application using backtracking search optimization algorithms. , 2015, , .		6
137	Model predictive controllers for magnetic levitation systems. , 2015, , .		5
138	Model-Free Primitive-Based Iterative Learning Control Approach to Trajectory Tracking of MIMO Systems With Experimental Validation. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2925-2938.	7.2	67
139	A novel pose estimation algorithm for robotic navigation. Robotics and Autonomous Systems, 2015, 63, 10-21.	3.0	29
140	Cascade Control Systemâ€Based Cost Effective Combination of Tensor Product Model Transformation and Fuzzy Control. Asian Journal of Control, 2015, 17, 381-391.	1.9	35
141	Stable fuzzy logic control of a general class of chaotic systems. Neural Computing and Applications, 2015, 26, 541-550.	3.2	106
142	Nature-inspired optimal tuning of input membership functions of Takagi-Sugeno-Kang fuzzy models for Anti-lock Braking Systems. Applied Soft Computing Journal, 2015, 27, 575-589.	4.1	83
143	Models for Force Control in Telesurgical Robot Systems. Acta Polytechnica Hungarica, 2015, 12, .	2.5	20
144	A Unified Anti-Windup Technique for Fuzzy and Sliding Mode Controllers. International Journal of Computers, Communications and Control, 2015, 10, 83.	1.2	2

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145	Implementation of Evolving Fuzzy Models of a Nonlinear Process. , 2015, , .		5
146	Multi-robot charged system search-based optimal path planning in static environments. , 2014, , .		4
147	Data-driven model-free control of twin rotor aerodynamic systems: Algorithms and experiments. , 2014, , .		13
148	Frequency domain design of fractional order PI controllers for lambda control. , 2014, , .		1
149	Initialization and lost track recovery performance analysis of face features tracking. , 2014, , .		1
150	Adaptive hybrid Particle Swarm Optimization-Gravitational Search Algorithm for fuzzy controller tuning. , 2014, , .		8
151	Data-driven Model-Free Adaptive Control of twin rotor aerodynamic systems. , 2014, , .		5
152	Online identification of evolving Takagiâ€“Sugenoâ€“Kang fuzzy models for crane systems. Applied Soft Computing Journal, 2014, 24, 1155-1163.	4.1	63
153	Particle Swarm Optimization of fuzzy models for Anti-Lock Braking Systems. , 2014, , .		4
154	Bacterial Foraging Optimization approach to the controller tuning for automotive torque motors. , 2014, , .		5
155	On the development of signatures for Artificial Intelligence applications. , 2014, , .		0
156	Performance analysis of torque motor systems with PID controllers tuned by Bacterial Foraging Optimization algorithms. , 2014, , .		7
157	Model-free tuning solution for sliding mode control of servo systems. , 2014, , .		15
158	Study on experimental plant of positioning control solutions for processes with variable moment of inertia. , 2014, , .		0
159	Design and testing of a constrained data-driven iterative reference input tuning algorithm. , 2014, , .		4
160	Iterative Data-Driven Tuning of Controllers for Nonlinear Systems With Constraints. IEEE Transactions on Industrial Electronics, 2014, 61, 6360-6368.	5.2	70
161	Review of tool-tissue interaction models for robotic surgery applications. , 2014, , .		9
162	Stabilization of RÃ“ssler chaotic dynamical system using fuzzy logic control algorithm. International Journal of General Systems, 2014, 43, 413-433.	1.2	77

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163	DeeDee - A mobile intelligent system able to assist a type 1 diabetic through the daily life. , 2014, , .		1
164	Iterative Data-Driven Controller Tuning with Actuator Constraints and Reduced Sensitivity. Journal of Aerospace Information Systems, 2014, 11, 551-564.	1.0	2
165	Nature-inspired optimization algorithms applied to fuzzy control, fuzzy modeling, mobile robots and optical character recognition. , 2014, , .		0
166	Adaptive GSA-Based Optimal Tuning of PI Controlled Servo Systems With Reduced Process Parametric Sensitivity, Robust Stability and Controller Robustness. IEEE Transactions on Cybernetics, 2014, 44, 1997-2009.	6.2	45
167	Novel Adaptive Charged System Search algorithm for optimal tuning of fuzzy controllers. Expert Systems With Applications, 2014, 41, 1168-1175.	4.4	73
168	An Approach to Fuzzy Modeling of Anti-lock Braking Systems. Advances in Intelligent Systems and Computing, 2014, , 83-93.	0.5	9
169	Applications of Signatures to Expert Systems Modelling. Acta Polytechnica Hungarica, 2014, 11, .	2.5	9
170	Robot Coverage Path Planning Based on Iterative Structured Orientation. Acta Polytechnica Hungarica, 2014, 15, .	2.5	2
171	Lorenz System Stabilization Using Fuzzy Controllers. International Journal of Computers, Communications and Control, 2014, 2, 279.	1.2	71
172	Fuzzy Logic Control System Stability Analysis Based on Lyapunov's Direct Method. International Journal of Computers, Communications and Control, 2014, 4, 415.	1.2	65
173	Adaptive Evolutionary Optimization Algorithms for Simple Fuzzy Controller Tuning Dedicated to Servo Systems. Atlantis Computational Intelligence Systems, 2014, , 159-173.	0.5	0
174	Control Algorithms for Plants Operating Under Variable Conditions, Applications. Topics in Intelligent Engineering and Informatics, 2014, , 3-39.	0.4	0
175	Constrained Data-Driven Model-Free ILC-based Reference Input Tuning Algorithm. Acta Polytechnica Hungarica, 2014, 12, .	2.5	3
176	Modeling and control of an Electric drive system with continuously variable reference, moment of inertia and load disturbance. , 2013, , .		6
177	Data-Driven Reference Trajectory Tracking Algorithm and Experimental Validation. IEEE Transactions on Industrial Informatics, 2013, 9, 2327-2336.	7.2	59
178	2-DOF control solutions for an electric drive system under continuously variable conditions. , 2013, , .		0
179	Stability analysis and design of a class of MIMO fuzzy control systems. Journal of Intelligent and Fuzzy Systems, 2013, 25, 145-155.	0.8	73
180	Design and experiments for model-free PI control of DC drives. , 2013, , .		0

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181	Nrobotic mobile robot navigation using traffic signs in unknown indoor environments. , 2013, , .		2
182	Evolutionary optimization-based training of convolutional neural networks for OCR applications. , 2013, , .		11
183	Adaptable fuzzy control solutions for driving systems working under continuously variable conditions. , 2013, , .		2
184	Data-driven performance improvement of control systems for three-tank systems. , 2013, , .		0
185	Fuzzy logicâ€based adaptive gravitational search algorithm for optimal tuning of fuzzyâ€controlled servo systems. IET Control Theory and Applications, 2013, 7, 99-107.	1.2	69
186	Simulated annealing approach to fuzzy modeling of servo systems. , 2013, , .		1
187	Stable and convergent iterative feedback tuning of fuzzy controllers for discrete-time SISO systems. Expert Systems With Applications, 2013, 40, 188-199.	4.4	66
188	Gravitational search algorithm-based design of fuzzy control systems with a reduced parametric sensitivity. Information Sciences, 2013, 247, 154-173.	4.0	79
189	Evolutionary optimization-based tuning of low-cost fuzzy controllers for servo systems. Knowledge-Based Systems, 2013, 38, 74-84.	4.0	67
190	Multi-robot GSA- and PSO-based optimal path planning in static environments. , 2013, , .		14
191	Data-based tuning of linear controllers for MIMO twin rotor systems. , 2013, , .		6
192	Simulated annealing-based optimization of fuzzy models for magnetic levitation systems. , 2013, , .		2
193	Hybrid PSO-GSA robot path planning algorithm in static environments with danger zones. , 2013, , .		15
194	Performance evaluation of a face detection algorithm running on general purpose operating systems. , 2013, , .		1
195	Classical and Fuzzy Approaches to 2â€DOF Control Solutions for BLDCâ€m Drives. Topics in Intelligent Engineering and Informatics, 2013, , 175-193.	0.4	1
196	Constrained data-driven controller tuning for nonlinear systems. , 2013, , .		1
197	Low-cost neuro-fuzzy control solution for servo systems with variable parameters. , 2013, , .		5
198	Solutions to avoid the worst case scenario in driving systems working under continuously variable conditions. , 2013, , .		3

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199	Choosing a Proper Control Structure for a Mechatronic System with Variable Parameters. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 26-31.	0.4	5
200	An Approach to Fuzzy Modeling of Electromagnetic Actuated Clutch Systems. International Journal of Computers, Communications and Control, 2013, 8, 395.	1.2	4
201	Lead-Lag Controller-Based Iterative Learning Control Algorithms for 3D Crane Systems. Topics in Intelligent Engineering and Informatics, 2013, , 25-38.	0.4	2
202	Novel Tensor Product Models for Automatic Transmission System Control. IEEE Systems Journal, 2012, 6, 488-498.	2.9	61
203	Adaptive control solutions for the position control of electromagnetic actuated clutch systems. , 2012, , .		10
204	Stable Iterative Correlation-based Tuning algorithm for servo systems. , 2012, , .		4
205	Control structures for variable inertia output coupled drives. , 2012, , .		1
206	Charged System Search Algorithms for Optimal Tuning of PI Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 115-120.	0.4	7
207	Controller Design Methods for Driving Systems Based on Extensions of Symmetrical Optimum Method with DC and BLDC Motor Applications. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 264-269.	0.4	8
208	A general formulation of abduction algorithms. , 2012, , .		1
209	Novel design of cognitive system strategies. , 2012, , .		4
210	Hybrid fuzzy controllers for non-minimum phase systems. , 2012, , .		1
211	Experimental results of evolving Takagi—Sugeno fuzzy models for a nonlinear benchmark. , 2012, , .		6
212	Signal processing in iterative improvement of inverted pendulum crane mode control system performance. , 2012, , .		2
213	Embedding Gravitational Search Algorithms in Convolutional Neural Networks for OCR applications. , 2012, , .		14
214	Experiment-based approach to reference trajectory tracking. , 2012, , .		4
215	Simulation and control for telerobots in space medicine. Acta Astronautica, 2012, 81, 390-402.	1.7	55
216	Signatures: Definitions, operators and applications to fuzzy modelling. Fuzzy Sets and Systems, 2012, 201, 86-104.	1.6	82

#	ARTICLE	IF	CITATIONS
217	Novel Adaptive Gravitational Search Algorithm for Fuzzy Controlled Servo Systems. IEEE Transactions on Industrial Informatics, 2012, 8, 791-800.	7.2	102
218	Points of View on Magnetic Levitation System Laboratory-Based Control Education. Advances in Intelligent and Soft Computing, 2012, , 261-275.	0.2	2
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