

# Radu-Emil Precup

## List of Publications by Year in descending order

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351  
papers

7,103  
citations

28242

55  
h-index

69214

77  
g-index

360  
all docs

360  
docs citations

360  
times ranked

4851  
citing authors

#	ARTICLE	IF	CITATIONS
1	A survey on industrial applications of fuzzy control. <i>Computers in Industry</i> , 2011, 62, 213-226.	5.7	436
2	Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 527-534.	5.2	225
3	An extension of tuning relations after symmetrical optimum method for PI and PID controllers. <i>Automatica</i> , 1999, 35, 1731-1736.	3.0	207
4	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
5	An overview on fault diagnosis and nature-inspired optimal control of industrial process applications. <i>Computers in Industry</i> , 2015, 74, 75-94.	5.7	136
6	Policy Iteration Reinforcement Learning-based control using a Grey Wolf Optimizer algorithm. <i>Information Sciences</i> , 2022, 585, 162-175.	4.0	121
7	Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 4625-4636.	2.4	120
8	Model-free sliding mode control of nonlinear systems: Algorithms and experiments. <i>Information Sciences</i> , 2017, 381, 176-192.	4.0	118
9	Hybrid Particle Filter–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
10	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
11	Stable fuzzy logic control of a general class of chaotic systems. <i>Neural Computing and Applications</i> , 2015, 26, 541-550.	3.2	106
12	Novel Adaptive Gravitational Search Algorithm for Fuzzy Controlled Servo Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2012, 8, 791-800.	7.2	102
13	Design and Experiments for a Class of Fuzzy Controlled Servo Systems. <i>IEEE/ASME Transactions on Mechatronics</i> , 2008, 13, 22-35.	3.7	100
14	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
15	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
16	Fuzzy Control System Performance Enhancement by Iterative Learning Control. <i>IEEE Transactions on Industrial Electronics</i> , 2008, 55, 3461-3475.	5.2	88
17	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
18	Cascade Control for Telerobotic Systems Serving Space Medicine*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 3759-3764.	0.4	83

#	ARTICLE	IF	CITATIONS
19	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
20	Signatures: Definitions, operators and applications to fuzzy modelling. Fuzzy Sets and Systems, 2012, 201, 86-104.	1.6	82
21	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
22	ITERATIVE FEEDBACK AND LEARNING CONTROL. SERVO SYSTEMS APPLICATIONS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 16-27.	0.4	79
23	Gravitational search algorithm-based design of fuzzy control systems with a reduced parametric sensitivity. Information Sciences, 2013, 247, 154-173.	4.0	79
24	Combined Model-Free Adaptive Control with Fuzzy Component by Virtual Reference Feedback Tuning for Tower Crane Systems. Procedia Computer Science, 2019, 162, 267-274.	1.2	79
25	Stabilization of Rössler chaotic dynamical system using fuzzy logic control algorithm. International Journal of General Systems, 2014, 43, 413-433.	1.2	77
26	Development of fuzzy controllers with non-homogeneous dynamics for integral-type plants. Electrical Engineering, 2003, 85, 155-168.	1.2	76
27	Optimisation criteria in development of fuzzy controllers with dynamics. Engineering Applications of Artificial Intelligence, 2004, 17, 661-674.	4.3	76
28	On the design of an obstacle avoiding trajectory: Method and simulation. Mathematics and Computers in Simulation, 2009, 79, 2211-2226.	2.4	76
29	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
30	Novel Adaptive Charged System Search algorithm for optimal tuning of fuzzy controllers. Expert Systems With Applications, 2014, 41, 1168-1175.	4.4	73
31	Fuzzy Control Systems With Reduced Parametric Sensitivity Based on Simulated Annealing. IEEE Transactions on Industrial Electronics, 2012, 59, 3049-3061.	5.2	72
32	Lorenz System Stabilization Using Fuzzy Controllers. International Journal of Computers, Communications and Control, 2014, 2, 279.	1.2	71
33	Iterative Data-Driven Tuning of Controllers for Nonlinear Systems With Constraints. IEEE Transactions on Industrial Electronics, 2014, 61, 6360-6368.	5.2	70
34	Generic two-degree-of-freedom linear and fuzzy controllers for integral processes. Journal of the Franklin Institute, 2009, 346, 980-1003.	1.9	69
35	Fuzzy logic-based adaptive gravitational search algorithm for optimal tuning of fuzzy-controlled servo systems. IET Control Theory and Applications, 2013, 7, 99-107.	1.2	69
36	Second Order Intelligent Proportional-Integral Fuzzy Control of Twin Rotor Aerodynamic Systems. Procedia Computer Science, 2018, 139, 372-380.	1.2	69

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37	Evolutionary optimization-based tuning of low-cost fuzzy controllers for servo systems. Knowledge-Based Systems, 2013, 38, 74-84.	4.0	67
38	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
39	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
40	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
41	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
42	New results in modelling derived from Bayesian filtering. Knowledge-Based Systems, 2010, 23, 182-194.	4.0	65
43	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
44	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
45	Fuzzy Controllers With Maximum Sensitivity for Servosystems. IEEE Industrial Electronics Magazine, 2007, 54, 1298-1310.	2.3	63
46	Iterative performance improvement of fuzzy control systems for three tank systems. Expert Systems With Applications, 2012, 39, 8288-8299.	4.4	63
47	Online identification of evolving Takagi-Sugeno-Kang fuzzy models for crane systems. Applied Soft Computing Journal, 2014, 24, 1155-1163.	4.1	63
48	Stability analysis and development of a class of fuzzy control systems. Engineering Applications of Artificial Intelligence, 2000, 13, 237-247.	4.3	61
49	Novel Tensor Product Models for Automatic Transmission System Control. IEEE Systems Journal, 2012, 6, 488-498.	2.9	61
50	Data-driven model-free slip control of anti-lock braking systems using reinforcement Q-learning. Neurocomputing, 2018, 275, 317-329.	3.5	60
51	Experiment-Based Teaching in Advanced Control Engineering. IEEE Transactions on Education, 2011, 54, 345-355.	2.0	59
52	Data-Driven Reference Trajectory Tracking Algorithm and Experimental Validation. IEEE Transactions on Industrial Informatics, 2013, 9, 2327-2336.	7.2	59
53	PI predictive fuzzy controllers for electrical drive speed control: methods and software for stable development. Computers in Industry, 2003, 52, 253-270.	5.7	58
54	PI and PID controllers tuning for integral-type servo systems to ensure robust stability and controller robustness. Electrical Engineering, 2006, 88, 149-156.	1.2	58

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55	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
56	PI-Fuzzy controllers for integral plants to ensure robust stability. Information Sciences, 2007, 177, 4410-4429.	4.0	57
57	Simulation and control for telerobots in space medicine. Acta Astronautica, 2012, 81, 390-402.	1.7	55
58	Tensor product-based model transformation approach to tower crane systems modeling. Asian Journal of Control, 2021, 23, 1313-1323.	1.9	54
59	Improvement of K-means Cluster Quality by Post Processing Resulted Clusters. Procedia Computer Science, 2022, 199, 63-70.	1.2	54
60	Application of IFT and SPSA to Servo System Control. IEEE Transactions on Neural Networks, 2011, 22, 2363-2375.	4.8	52
61	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
62	Gravitational Search Algorithm-Based Tuning of Fuzzy Control Systems with a Reduced Parametric Sensitivity. Advances in Intelligent and Soft Computing, 2011, , 141-150.	0.2	51
63	Model-based fuzzy control results for networked control systems. Reports in Mechanical Engineering, 2020, 1, 10-25.	4.9	49
64	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
65	An Easily Understandable Grey Wolf Optimizer and Its Application to Fuzzy Controller Tuning. Algorithms, 2017, 10, 68.	1.2	44
66	Experiment-Based Approach to Teach Optimization Techniques. IEEE Transactions on Education, 2021, 64, 88-94.	2.0	41
67	Fuzzy controllers for tire slip control in anti-lock braking systems. , 0, , .		40
68	Data-Driven Model-Free Tracking Reinforcement Learning Control with VRFT-based Adaptive Actor-Critic. Applied Sciences (Switzerland), 2019, 9, 1807.	1.3	38
69	Cascade Control System-Based Cost Effective Combination of Tensor Product Model Transformation and Fuzzy Control. Asian Journal of Control, 2015, 17, 381-391.	1.9	35
70	Combination of Data-Driven Active Disturbance Rejection and Takagi-Sugeno Fuzzy Control with Experimental Validation on Tower Crane Systems. Energies, 2019, 12, 1548.	1.6	35
71	Iterative Feedback Tuning Algorithm for Tower Crane Systems. Procedia Computer Science, 2022, 199, 157-165.	1.2	35
72	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

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73	Three-level hierarchical model-free learning approach to trajectory tracking control. Engineering Applications of Artificial Intelligence, 2016, 55, 103-118.	4.3	32
74	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
75	A novel pose estimation algorithm for robotic navigation. Robotics and Autonomous Systems, 2015, 63, 10-21.	3.0	29
76	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
77	Gravitational Search Algorithms in Fuzzy Control Systems Tuning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13624-13629.	0.4	27
78	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
79	Virtual Reference Feedback Tuning of Model-Free Control Algorithms for Servo Systems. Machines, 2017, 5, 25.	1.2	23
80	Centroid Update Approach to K-Means Clustering. Advances in Electrical and Computer Engineering, 2017, 17, 3-10.	0.5	21
81	Tensor product-based real-time control of the liquid levels in a three tank system. , 2010, , .		20
82	Evolving fuzzy models for myoelectric-based control of a prosthetic hand. , 2016, , .		20
83	Models for Force Control in Telesurgical Robot Systems. Acta Polytechnica Hungarica, 2015, 12, .	2.5	20
84	An Approach to the Design of Nonlinear State-Space Control Systems. Studies in Informatics and Control, 2018, 27, .	0.6	20
85	Tensor product-based model transformation for position control of magnetic levitation systems. , 2017, , .		19
86	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
87	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
88	Hybrid PSO-GSA robot path planning algorithm in static environments with danger zones. , 2013, , .		15
89	Model-free tuning solution for sliding mode control of servo systems. , 2014, , .		15
90	Embedding Gravitational Search Algorithms in Convolutional Neural Networks for OCR applications. , 2012, , .		14

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91	Multi-robot GSA- and PSO-based optimal path planning in static environments. , 2013, , .		14
92	Linear and fuzzy control solutions for a laboratory Anti-lock Braking System. , 2008, , .		13
93	Data-driven model-free control of twin rotor aerodynamic systems: Algorithms and experiments. , 2014, , .		13
94	ROS-based robot navigation and human interaction in indoor environment. , 2015, , .		13
95	Recurrent dynamic neural network model for myoelectric-based control of a prosthetic hand. , 2016, , .		13
96	Model-free fuzzy control of twin rotor aerodynamic systems. , 2017, , .		13
97	Model -Free Adaptive Control With Fuzzy Component for Tower Crane Systems. , 2019, , .		13
98	On the Combination of Tensor Product and Fuzzy Models. , 2008, , .		12
99	Recurrent Neural Network Models for Myoelectricbased Control of a Prosthetic Hand. , 2018, , .		12
100	Software tool for power transfer distribution factors (PTDF) computing within the power systems. , 2009, , .		11
101	Evolutionary optimization-based training of convolutional neural networks for OCR applications. , 2013, , .		11
102	State feedback and proportional-integral-derivative control of a magnetic levitation system. , 2016, , .		11
103	Tire slip fuzzy control of a laboratory Anti-lock Braking System. , 2009, , .		10
104	Adaptive control solutions for the position control of electromagnetic actuated clutch systems. , 2012, , .		10
105	Review of tool-tissue interaction models for robotic surgery applications. , 2014, , .		9
106	Extremum seeking control for an anaerobic digestion process. , 2015, , .		9
107	Tensor productâ€based model transformation approach to cart position modeling and control in pendulumâ€cart systems. Asian Journal of Control, 2021, 23, 1238-1248.	1.9	9
108	An Approach to Fuzzy Modeling of Anti-lock Braking Systems. Advances in Intelligent Systems and Computing, 2014, , 83-93.	0.5	9

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109	Applications of Signatures to Expert Systems Modelling. Acta Polytechnica Hungarica, 2014, 11, .	2.5	9
110	Experimental validation of Iterative Feedback Tuning solutions for inverted pendulum crane mode control. , 2008, , .		8
111	An SVD based modification of the Adaptive Inverse Dynamics Controller. , 2009, , .		8
112	Stable iterative feedback tuning method for servo systems. , 2011, , .		8
113	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
114	Adaptive hybrid Particle Swarm Optimization-Gravitational Search Algorithm for fuzzy controller tuning. , 2014, , .		8
115	Model predictive control solution for magnetic levitation systems. , 2015, , .		8
116	Proportional-integral gain-scheduling control of a magnetic levitation system. , 2016, , .		8
117	Performance Improvement of Low-Cost Iterative Learning-Based Fuzzy Control Systems for Tower Crane Systems. International Journal of Computers, Communications and Control, 2022, 17, .	1.2	8
118	LOW COST FUZZY CONTROLLERS FOR CLASSES OF SECOND-ORDER SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 397-402.	0.4	7
119	Experiments in Iterative Feedback tuning for level control of three-tank system. , 2010, , .		7
120	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
121	Performance analysis of torque motor systems with PID controllers tuned by Bacterial Foraging Optimization algorithms. , 2014, , .		7
122	Adaptive Charged System Search Approach to Path Planning for Multiple Mobile Robots. IFAC-PapersOnLine, 2015, 48, 294-299.	0.5	7
123	Data-driven optimal model-free control of twin rotor aerodynamic systems. , 2015, , .		7
124	Evolving Fuzzy Models for Prosthetic Hand Myoelectric-based Control Using Weighted Recursive Least Squares Algorithm for Identification. , 2019, , .		7
125	Data-Driven Model-Free Sliding Mode and Fuzzy Control with Experimental Validation. International Journal of Computers, Communications and Control, 2021, 16, .	1.2	7
126	Development of a quasi-PI fuzzy controller based on the principle of minimum guaranteed phase margin. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 5350-5355.	0.4	6



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127	Characteristics of a new abstraction model. , 2009, , .		6
128	Implementation and signal processing aspects of Iterative Regression Tuning. , 2010, , .		6
129	Tuning of 2-DOF fuzzy PI(D) controllers. Laboratory applications. , 2010, , .		6
130	Stable and optimal fuzzy control of a laboratory Antilock Braking System. , 2010, , .		6
131	Low-cost fuzzy control approaches to a class of state feedback-controlled servo systems. , 2011, , .		6
132	Experimental results of evolving Takagi&#x2014;Sugeno fuzzy models for a nonlinear benchmark. , 2012, , .		6
133	Experimental Results of Model-Based Fuzzy Control Solutions for a Laboratory Antilock Braking System. Advances in Intelligent and Soft Computing, 2012, , 223-234.	0.2	6
134	Modeling and control of an Electric drive system with continuously variable reference, moment of inertia and load disturbance. , 2013, , .		6
135	Data-based tuning of linear controllers for MIMO twin rotor systems. , 2013, , .		6
136	Backtracking Search Optimization Algorithm-based approach to PID controller tuning for torque motor systems. , 2015, , .		6
137	PI and PID controller tuning for an automotive application using backtracking search optimization algorithms. , 2015, , .		6
138	Mixed MFC-VRFT Approach for a multivariable aerodynamic system position control. , 2016, , .		6
139	Tensor product-based model transformation for level control of vertical three tank systems. , 2017, , .		6
140	Data-Driven Active Disturbance Rejection Control of Pendulum Cart Systems. , 2018, , .		6
141	Tensor Product-Based Model Transformation Technique Applied to Modeling Vertical Three Tank Systems. , 2018, , .		6
142	Design of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity Based on Whale Optimization Algorithm. , 2020, , .		6
143	MIMO Fuzzy Control Solutions for the Level Control of Vertical Two Tank Systems. , 2019, , .		6
144	Development of Conventional and Fuzzy Controllers for Output Coupled Drive Systems and Variable Inertia. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2001, 34, 261-269.	0.4	5

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145	Genetic Iterative Feedback Tuning (GIFT) Method for Fuzzy Control System Development. , 2006, , .		5
146	Model-based fuzzy control solutions for a laboratory Antilock Braking System. , 2010, , .		5
147	2-DOF control solutions for BLDC-m drives. , 2011, , .		5
148	Extensions in Symmetrical Optimum design method. Advantages, applications and perspectives. , 2011, , .		5
149	Low-cost optimal state feedback fuzzy control of nonlinear second-order servo systems. , 2011, , .		5
150	Parametric sensitivity reduction of PI-based control systems by means of evolutionary optimization algorithms. , 2011, , .		5
151	Hybrid fuzzy control solutions for Brushless DC drives with Variable Moment of Inertia. , 2012, , .		5
152	Low-cost neuro-fuzzy control solution for servo systems with variable parameters. , 2013, , .		5
153	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
154	Data-driven Model-Free Adaptive Control of twin rotor aerodynamic systems. , 2014, , .		5
155	Bacterial Foraging Optimization approach to the controller tuning for automotive torque motors. , 2014, , .		5
156	Two data-driven control algorithms for a MIMO aerodynamic system with experimental validation. , 2015, , .		5
157	Model predictive controllers for magnetic levitation systems. , 2015, , .		5
158	Evolving fuzzy models for the position control of twin rotor aerodynamic systems. , 2016, , .		5
159	Control Solutions for Vertical Three-Tank Systems. , 2018, , .		5
160	Structure and Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control Systems. , 2018, , .		5
161	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
162	Proportional-Integral-Derivative Gain-Scheduling Control of a Magnetic Levitation System. International Journal of Computers, Communications and Control, 2017, 12, 599.	1.2	5

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163	Implementation of Evolving Fuzzy Models of a Nonlinear Process. , 2015, , .		5
164	Development Method for Low Cost Fuzzy Controlled Servosystems. , 2006, , .		5
165	Cross-Optimization Aspects Concerning the Extended Symmetrical Optimum Method. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 223-228.	0.4	4
166	LOW COST FUZZY CONTROLLED SERVO SYSTEMS IN MECHATRONIC SYSTEMS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 247-252.	0.4	4
167	Development method for low cost fuzzy controlled servosystems. , 2006, , .		4
168	Iterative Learning-based fuzzy Control system. , 2008, , .		4
169	Takagi-Sugeno fuzzy controller for a magnetic levitation system laboratory equipment. , 2010, , .		4
170	Stability analysis of a class of MIMO fuzzy control systems. , 2010, , .		4
171	Time delay compensation by fuzzy control in the case of master-slave telesurgery. , 2011, , .		4
172	Stable Iterative Correlation-based Tuning algorithm for servo systems. , 2012, , .		4
173	Novel design of cognitive system strategies. , 2012, , .		4
174	Experiment-based approach to reference trajectory tracking. , 2012, , .		4
175	Multi-robot charged system search-based optimal path planning in static environments. , 2014, , .		4
176	Particle Swarm Optimization of fuzzy models for Anti-Lock Braking Systems. , 2014, , .		4
177	Design and testing of a constrained data-driven iterative reference input tuning algorithm. , 2014, , .		4
178	Takagi-Sugeno PD&#x002B;I fuzzy control of processes with variable moment of inertia. , 2015, , .		4
179	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
180	On the architecture of a clustering platform for the analysis of big volumes of data. , 2016, , .		4

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181	On a translated frame-based approach to geometric modeling of robots. Robotics and Autonomous Systems, 2017, 91, 49-58.	3.0	4
182	Evolving fuzzy models for the position control of magnetic levitation systems. , 2017, , .		4
183	Takagi-Sugeno fuzzy controller structures for twin rotor aerodynamic systems. , 2017, , .		4
184	Cascade Control Solutions for Maglev Systems. , 2018, , .		4
185	Parallel Implementation of K-Means Algorithm Using MapReduce Approach. , 2018, , .		4
186	Data-Driven Model-Free Model-Reference Nonlinear Virtual State Feedback Control from Input-Output Data. , 2018, , .		4
187	Tensor Product-Based Model Transformation and Sliding Mode Control of Electromagnetic Actuated Clutch System. , 2019, , .		4
188	A novel geo-hierarchical population mobility model for spatial spreading of resurgent epidemics. Scientific Reports, 2021, 11, 14341.	1.6	4
189	Center Manifold Theory Approach to the Stability Analysis of Fuzzy Control Systems. Lecture Notes in Computer Science, 1999, , 382-390.	1.0	4
190	An Approach to Fuzzy Modeling of Electromagnetic Actuated Clutch Systems. International Journal of Computers, Communications and Control, 2013, 8, 395.	1.2	4
191	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
192	Colored Petri nets-based control and experimental validation on three-tank system level control. International Journal of General Systems, 2023, 52, 1-47.	1.2	4
193	Fuzzy Control Solution for Hydro Turbine Generators. , 0, , .		3
194	Fuzzy Control Systems Dedicated to Electro-Hydraulic Servo-Systems. IFT Techniques and Sensitivity Analysis. , 2007, , .		3
195	Iterative Feedback Tuning Approach to Development of PI-Fuzzy Controllers. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	3
196	Two-Degree-Of-Freedom Fuzzy Control in Decentralized Trajectory Tracking. , 2007, , .		3
197	Linear and fuzzy control solutions for tape drives. Electrical Engineering, 2008, 90, 361-377.	1.2	3
198	Stable Iterative Feedback Tuning-based design of Takagi-Sugeno PI-fuzzy controllers. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
199	Nonlinear and linearized models and low-cost control solution for an electromagnetic actuator. , 2009, , .		3
200	Iterative Learning Control experimental results for inverted pendulum crane mode control. , 2009, , .		3
201	Magnetic Levitation System laboratory-based education in control engineering. , 2010, , .		3
202	Stability Analysis of Fuzzy Logic Control Systems for a Class of Nonlinear SISO Discrete-Time Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13612-13617.	0.4	3
203	Solutions to avoid the worst case scenario in driving systems working under continuously variable conditions. , 2013, , .		3
204	Data-driven virtual reference feedback tuning and reinforcement Q-learning for model-free position control of an aerodynamic system. , 2016, , .		3
205	Evolving fuzzy models for Anti-lock Braking Systems. , 2017, , .		3
206	Gain-Scheduling Control Solutions for a Strip Winding System with Variable Moment of Inertia. IFAC-PapersOnLine, 2018, 51, 370-375.	0.5	3
207	Intelligent Lighting System Platform Architecture and Linear Process Models. , 2019, , .		3
208	Speed and Acceleration Control of BLDC Drives Using Different Types of Observers. , 2019, , .		3
209	First-Order Active Disturbance Rejection-Virtual Reference Feedback Tuning Control of Tower Crane Systems. , 2020, , .		3
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