Claudia-Adina Bojan-Dragos

List of Publications by Year
in descending order

95 papers	1,078 citations
687363 13 h-index	580821 25 g-index
95 all docs	95 docs citations
95 times ranked	940 citing authors

#	Article	IF	Citations
1	Grey Wolf Optimizer-Based Approach to the Tuning of Pi-Fuzzy Controllers with a Reduced Process Parametric Sensitivity. IFAC-PapersOnLine, 2016, 49, 55-60.	0.9	80
2	Combined Model-Free Adaptive Control with Fuzzy Component by Virtual Reference Feedback Tuning for Tower Crane Systems. Procedia Computer Science, 2019, 162, 267-274.	2.0	79
3	Stabilization of Rössler chaotic dynamical system using fuzzy logic control algorithm. International Journal of General Systems, 2014, 43, 413-433.	2.5	77
4	Iterative performance improvement of fuzzy control systems for three tank systems. Expert Systems With Applications, 2012, 39, 8288-8299.	7.6	63
5	Online identification of evolving Takagi–Sugeno–Kang fuzzy models for crane systems. Applied Soft Computing Journal, 2014, 24, 1155-1163.	7.2	63
6	Novel Tensor Product Models for Automatic Transmission System Control. IEEE Systems Journal, 2012, 6, 488-498.	4.6	61
7	Experiment-Based Teaching in Advanced Control Engineering. IEEE Transactions on Education, 2011, 54, 345-355.	2.4	59
8	Data-Driven Reference Trajectory Tracking Algorithm and Experimental Validation. IEEE Transactions on Industrial Informatics, 2013, 9, 2327-2336.	11.3	59
9	GWO-Based Optimal Tuning of Type-1 and Type-2 Fuzzy Controllers for Electromagnetic Actuated Clutch Systems. IFAC-PapersOnLine, 2021, 54, 189-194.	0.9	58
10	Model-based fuzzy control results for networked control systems. Reports in Mechanical Engineering, 2020, 1, 10-25.	7.7	49
11	Experiment-Based Approach to Teach Optimization Techniques. IEEE Transactions on Education, 2021, 64, 88-94.	2.4	41
12	Cascade Control System–Based Cost Effective Combination of Tensor Product Model Transformation and Fuzzy Control. Asian Journal of Control, 2015, 17, 381-391.	3.0	35
13	Iterative Feedback Tuning Algorithm for Tower Crane Systems. Procedia Computer Science, 2022, 199, 157-165.	2.0	35
14	Tensor product-based real-time control of the liquid levels in a three tank system. , 2010, , .		20
15	Tensor product-based model transformation for position control of magnetic levitation systems. , 2017, , .		19
16	Model-free tuning solution for sliding mode control of servo systems. , 2014, , .		15
17	Model -Free Adaptive Control With Fuzzy Component for Tower Crane Systems. , 2019, , .		13
18	Recurrent Neural Network Models for Myoelectricbased Control of a Prosthetic Hand. , 2018, , .		12

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19	State feedback and proportional-integral-derivative control of a magnetic levitation system. , 2016, , .		11
20	Adaptive control solutions for the position control of electromagnetic actuated clutch systems. , 2012, , .		10
21	Tensor product–based model transformation approach to cart position modeling and control in pendulum–cart systems. Asian Journal of Control, 2021, 23, 1238-1248.	3.0	9
22	Model predictive control solution for magnetic levitation systems. , 2015, , .		8
23	Proportional-integral gain-scheduling control of a magnetic levitation system. , 2016, , .		8
24	Experiments in Iterative Feedback tuning for level control of three-tank system. , 2010, , .		7
25	Data-Driven Model-Free Sliding Mode and Fuzzy Control with Experimental Validation. International Journal of Computers, Communications and Control, 2021, 16, .	1.8	7
26	Implementation and signal processing aspects of Iterative Regression Tuning. , 2010, , .		6
27	Stable and optimal fuzzy control of a laboratory Antilock Braking System. , 2010, , .		6
28	Low-cost fuzzy control approaches to a class of state feedback-controlled servo systems. , 2011, , .		6
29	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
30	Modeling and control of an Electric drive system with continuously variable reference, moment of inertia and load disturbance. , 2013, , .		6
31	Data-based tuning of linear controllers for MIMO twin rotor systems. , 2013, , .		6
32	Tensor product-based model transformation for level control of vertical three tank systems. , 2017, , .		6
33	Tensor Product-Based Model Transformation Technique Applied to Modeling Vertical Three Tank Systems. , 2018, , .		6
34	MIMO Fuzzy Control Solutions for the Level Control of Vertical Two Tank Systems. , 2019, , .		6
35	Model-based fuzzy control solutions for a laboratory Antilock Braking System. , 2010, , .		5
36	Low-cost optimal state feedback fuzzy control of nonlinear second-order servo systems. , 2011, , .		5

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37	Low-cost neuro-fuzzy control solution for servo systems with variable parameters. , 2013, , .		5
38	Model predictive controllers for magnetic levitation systems. , 2015, , .		5
39	Control Solutions for Vertical Three-Tank Systems. , 2018, , .		5
40	Proportional-Integral-Derivative Gain-Scheduling Control of a Magnetic Levitation System. International Journal of Computers, Communications and Control, 2017, 12, 599.	1.8	5
41	Stable Iterative Correlation-based Tuning algorithm for servo systems. , 2012, , .		4
42	Experiment-based approach to reference trajectory tracking. , 2012, , .		4
43	Particle Swarm Optimization of fuzzy models for Anti-Lock Braking Systems. , 2014, , .		4
44	Takagi-Sugeno PD+I fuzzy control of processes with variable moment of inertia. , 2015, , .		4
45	Evolving fuzzy models for the position control of magnetic levitation systems. , 2017, , .		4
46	Cascade Control Solutions for Maglev Systems. , 2018, , .		4
47	Tensor Productâ€“Based Model Transformation and Sliding Mode Control of Electromagnetic Actuated Clutch System. , 2019, , .		4
48	An Approach to Fuzzy Modeling of Electromagnetic Actuated Clutch Systems. International Journal of Computers, Communications and Control, 2013, 8, 395.	1.8	4
49	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.	4.6	4
50	Nonlinear and linearized models and low-cost control solution for an electromagnetic actuator. , 2009, , .		3
51	Iterative Learning Control experimental results for inverted pendulum crane mode control. , 2009, , .		3
52	Magnetic Levitation System laboratory-based education in control engineering. , 2010, , .		3
53	Solutions to avoid the worst case scenario in driving systems working under continuously variable conditions. , 2013, , .		3
54	Evolving fuzzy models for Anti-lock Braking Systems. , 2017, , .		3

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55	Gain-Scheduling Control Solutions for a Strip Winding System with Variable Moment of Inertia. IFAC-PapersOnLine, 2018, 51, 370-375.	0.9	3
56	LoRa based energy efficiency improving in manufacturing processes. , 2018, , .		3
57	AUTOMOTIVE APPLICATIONS OF EVOLVING TAKAGI-SUGENO-KANG FUZZY MODELS. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 231.	4.6	3
58	Comparative case study of position control solutions for a mechatronics application. , 2011, , .		2
59	Signal processing in iterative improvement of inverted pendulum crane mode control system performance. , 2012, , .		2
60	Points of View on Magnetic Levitation System Laboratory-Based Control Education. Advances in Intelligent and Soft Computing, 2012, , 261-275.	0.2	2
61	2-DOF PI(D) Takagi-Sugeno and sliding mode controllers for BLDC drives. , 2012, , .		2
62	Adaptable fuzzy control solutions for driving systems working under continuously variable conditions. , 2013, , .		2
63	Simulated annealing-based optimization of fuzzy models for magnetic levitation systems. , 2013, , .		2
64	Particle Swarm Optimization of fuzzy models for electromagnetic actuated clutch systems. , 2016, , .		2
65	Comparative Study of Control Structures for Maglev Systems. , 2018, , .		2
66	Feedback Control Solutions for an Electromechanical Process with Rigid Body Dynamics. , 2018, , .		2
67	Cascade Control Solutions for Level Control of Vertical Three Tank Systems. , 2019, , .		2
68	State Feedback Control Solutions for a Mechatronics System with Variable Moment of Inertia. , 2016, , .		2
69	Tensor Product-Based Model Transformation Technique Applied to Servo Systems Modeling. , 2021, , .		2
70	Iterative Feedback Tuning in MIMO systems. Signal processing and application. , 2009, , .		1
71	Mixed Virtual Reference Feedback Tuning - Iterative Feedback Tuning: Method and laboratory assessment. , 2011, , .		1
72	Control structures for variable inertia output coupled drives. , 2012, , .		1

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73	Novel iterative formulation of Correlation-Based Tuning. , 2012, , .		1
74	Simulated annealing approach to fuzzy modeling of servo systems. , 2013, , .		1
75	Constrained data-driven controller tuning for nonlinear systems. , 2013, , .		1
76	Combined control solution for an advanced mechatronics application. , 2017, , .		1
77	Fuzzy logic-based adaptive control scheme for magnetic levitation systems. , 2017, , .		1
78	Iterative Feedback Tuning in Linear and Fuzzy Control Systems. Studies in Computational Intelligence, 2009, , 179-192.	0.9	1
79	Modern Control Solutions with Applications in Mechatronic Systems. Studies in Computational Intelligence, 2010, , 87-102.	0.9	1
80	Manufacturing Process Monitoring in Terms of Energy Management Improving. International Journal of Computers, Communications and Control, 2019, 14, 388-400.	1.8	1
81	Second Order Active Disturbance Rejection Control â€" Virtual Reference Feedback Tuning for Twin Rotor Aerodynamic Systems. , 2020, , .		1
82	Stable design of fuzzy controllers for robotic telemanipulation applications. , 2009, , .		0
83	Model predictive control solutions for an electromagnetic actuator. , 2009, , .		0
84	Model-Based Design Issues in Fuzzy Logic Control. Studies in Computational Intelligence, 2009, , 137-152.	0.9	0
85	Signal processing aspects in state feedback control based on Iterative Feedback Tuning. , 2009, , .		0
86	2-DOF control solutions for an electric drive system under continuously variable conditions. , 2013, , .		0
87	Design and experiments for model-free PI control of DC drives. , 2013, , .		0
88	Data-driven performance improvement of control systems for three-tank systems. , 2013, , .		0
89	Fuzzy control of an anaerobic digestion process. , 2015, , .		0
90	Model predictive control of a mechatronic system with variable inputs. , 2015, , .		0

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91	An adaptable feedback control solution for a drive system with variable parameters. , 2016, , .		0
92	Discrete time Control Solutions for Inverted Pendulum Crane Mode Control. , 2018, , .		0
93	TPâ€"Based Fuzzy Control Solutions for Magnetic Levitation Systems. , 2019, , .		0
94	Tensor Product-Based Model Transformation Technique Applied to Modeling Magnetic Levitation Systems. , 2019, , .		0
95	Gain-Scheduling Position Control Approaches for Electromagnetic Actuated Clutch Systems. , 2018, , .		0