

Claudia-Adina Bojan-Dragos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10196908/publications.pdf>

Version: 2024-02-01

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	Iterative Feedback Tuning Algorithm for Tower Crane Systems. <i>Procedia Computer Science</i> , 2022, 199, 157-165.	2.0	35
2	Experiment-Based Approach to Teach Optimization Techniques. <i>IEEE Transactions on Education</i> , 2021, 64, 88-94.	2.4	41
3	Tensor product-based model transformation approach to cart position modeling and control in pendulum-cart systems. <i>Asian Journal of Control</i> , 2021, 23, 1238-1248.	3.0	9
4	GWO-Based Optimal Tuning of Type-1 and Type-2 Fuzzy Controllers for Electromagnetic Actuated Clutch Systems. <i>IFAC-PapersOnLine</i> , 2021, 54, 189-194.	0.9	58
5	Tensor Product-Based Model Transformation Technique Applied to Servo Systems Modeling. , 2021, , .		2
6	Data-Driven Model-Free Sliding Mode and Fuzzy Control with Experimental Validation. <i>International Journal of Computers, Communications and Control</i> , 2021, 16, .	1.8	7
7	A CENTER MANIFOLD THEORY-BASED APPROACH TO THE STABILITY ANALYSIS OF STATE FEEDBACK TAKAGI-SUGENO-KANG FUZZY CONTROL SYSTEMS. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2020, 18, 189.	4.6	4
8	Model-based fuzzy control results for networked control systems. <i>Reports in Mechanical Engineering</i> , 2020, 1, 10-25.	7.7	49
9	Second Order Active Disturbance Rejection Control – Virtual Reference Feedback Tuning for Twin Rotor Aerodynamic Systems. , 2020, , .		1
10	TP-Based Fuzzy Control Solutions for Magnetic Levitation Systems. , 2019, , .		0
11	Tensor Product-Based Model Transformation Technique Applied to Modeling Magnetic Levitation Systems. , 2019, , .		0
12	Cascade Control Solutions for Level Control of Vertical Three Tank Systems. , 2019, , .		2
13	Tensor Product-Based Model Transformation and Sliding Mode Control of Electromagnetic Actuated Clutch System. , 2019, , .		4
14	Model-Free Adaptive Control With Fuzzy Component for Tower Crane Systems. , 2019, , .		13
15	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.	2.0	79
16	MIMO Fuzzy Control Solutions for the Level Control of Vertical Two Tank Systems. , 2019, , .		6
17	Manufacturing Process Monitoring in Terms of Energy Management Improving. <i>International Journal of Computers, Communications and Control</i> , 2019, 14, 388-400.	1.8	1
18	Gain-Scheduling Control Solutions for a Strip Winding System with Variable Moment of Inertia. <i>IFAC-PapersOnLine</i> , 2018, 51, 370-375.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Discrete time Control Solutions for Inverted Pendulum Crane Mode Control. , 2018, , .		0
20	Recurrent Neural Network Models for Myoelectricbased Control of a Prosthetic Hand. , 2018, , .		12
21	Comparative Study of Control Structures for Maglev Systems. , 2018, , .		2
22	Cascade Control Solutions for Maglev Systems. , 2018, , .		4
23	Tensor Product-Based Model Transformation Technique Applied to Modeling Vertical Three Tank Systems. , 2018, , .		6
24	Feedback Control Solutions for an Electromechanical Process with Rigid Body Dynamics. , 2018, , .		2
25	Control Solutions for Vertical Three-Tank Systems. , 2018, , .		5
26	LoRa based energy efficiency improving in manufacturing processes. , 2018, , .		3
27	Gain-Scheduling Position Control Approaches for Electromagnetic Actuated Clutch Systems. , 2018, , .		0
28	Evolving fuzzy models for the position control of magnetic levitation systems. , 2017, , .		4
29	Evolving fuzzy models for Anti-lock Braking Systems. , 2017, , .		3
30	Combined control solution for an advanced mechatronics application. , 2017, , .		1
31	Fuzzy logic-based adaptive control scheme for magnetic levitation systems. , 2017, , .		1
32	Tensor product-based model transformation for position control of magnetic levitation systems. , 2017, , .		19
33	Tensor product-based model transformation for level control of vertical three tank systems. , 2017, , .		6
34	Proportional-Integral-Derivative Gain-Scheduling Control of a Magnetic Levitation System. International Journal of Computers, Communications and Control, 2017, 12, 599.	1.8	5
35	AUTOMOTIVE APPLICATIONS OF EVOLVING TAKAGI-SUGENO-KANG FUZZY MODELS. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 231.	4.6	3
36	An adaptable feedback control solution for a drive system with variable parameters. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Proportional-integral gain-scheduling control of a magnetic levitation system. , 2016, , .		8
38	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
39	Particle Swarm Optimization of fuzzy models for electromagnetic actuated clutch systems. , 2016, , .		2
40	State feedback and proportional-integral-derivative control of a magnetic levitation system. , 2016, , .		11
41	State Feedback Control Solutions for a Mechatronics System with Variable Moment of Inertia. , 2016, , .		2
42	Fuzzy control of an anaerobic digestion process. , 2015, , .		0
43	Model predictive control of a mechatronic system with variable inputs. , 2015, , .		0
44	Model predictive control solution for magnetic levitation systems. , 2015, , .		8
45	Takagi-Sugeno PD+I fuzzy control of processes with variable moment of inertia. , 2015, , .		4
46	Model predictive controllers for magnetic levitation systems. , 2015, , .		5
47	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
48	Online identification of evolving Takagi–Sugeno–Kang fuzzy models for crane systems. Applied Soft Computing Journal, 2014, 24, 1155-1163.	7.2	63
49	Particle Swarm Optimization of fuzzy models for Anti-Lock Braking Systems. , 2014, , .		4
50	Model-free tuning solution for sliding mode control of servo systems. , 2014, , .		15
51	Stabilization of RÃssler chaotic dynamical system using fuzzy logic control algorithm. International Journal of General Systems, 2014, 43, 413-433.	2.5	77
52	Modeling and control of an Electric drive system with continuously variable reference, moment of inertia and load disturbance. , 2013, , .		6
53	Data-Driven Reference Trajectory Tracking Algorithm and Experimental Validation. IEEE Transactions on Industrial Informatics, 2013, 9, 2327-2336.	11.3	59
54	2-DOF control solutions for an electric drive system under continuously variable conditions. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
55	Design and experiments for model-free PI control of DC drives. , 2013, , .		0
56	Adaptable fuzzy control solutions for driving systems working under continuously variable conditions. , 2013, , .		2
57	Data-driven performance improvement of control systems for three-tank systems. , 2013, , .		0
58	Simulated annealing approach to fuzzy modeling of servo systems. , 2013, , .		1
59	Data-based tuning of linear controllers for MIMO twin rotor systems. , 2013, , .		6
60	Simulated annealing-based optimization of fuzzy models for magnetic levitation systems. , 2013, , .		2
61	Constrained data-driven controller tuning for nonlinear systems. , 2013, , .		1
62	Low-cost neuro-fuzzy control solution for servo systems with variable parameters. , 2013, , .		5
63	Solutions to avoid the worst case scenario in driving systems working under continuously variable conditions. , 2013, , .		3
64	An Approach to Fuzzy Modeling of Electromagnetic Actuated Clutch Systems. International Journal of Computers, Communications and Control, 2013, 8, 395.	1.8	4
65	Novel Tensor Product Models for Automatic Transmission System Control. IEEE Systems Journal, 2012, 6, 488-498.	4.6	61
66	Adaptive control solutions for the position control of electromagnetic actuated clutch systems. , 2012, , .		10
67	Stable Iterative Correlation-based Tuning algorithm for servo systems. , 2012, , .		4
68	Control structures for variable inertia output coupled drives. , 2012, , .		1
69	Signal processing in iterative improvement of inverted pendulum crane mode control system performance. , 2012, , .		2
70	Experiment-based approach to reference trajectory tracking. , 2012, , .		4
71	Points of View on Magnetic Levitation System Laboratory-Based Control Education. Advances in Intelligent and Soft Computing, 2012, , 261-275.	0.2	2
72	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

#	ARTICLE	IF	CITATIONS
73	2-DOF PI(D) Takagi-Sugeno and sliding mode controllers for BLDC drives. , 2012, , .		2
74	Novel iterative formulation of Correlation-Based Tuning. , 2012, , .		1
75	Iterative performance improvement of fuzzy control systems for three tank systems. Expert Systems With Applications, 2012, 39, 8288-8299.	7.6	63
76	Mixed Virtual Reference Feedback Tuning - Iterative Feedback Tuning: Method and laboratory assessment. , 2011, , .		1
77	Comparative case study of position control solutions for a mechatronics application. , 2011, , .		2
78	Low-cost fuzzy control approaches to a class of state feedback-controlled servo systems. , 2011, , .		6
79	Experiment-Based Teaching in Advanced Control Engineering. IEEE Transactions on Education, 2011, 54, 345-355.	2.4	59
80	Low-cost optimal state feedback fuzzy control of nonlinear second-order servo systems. , 2011, , .		5
81	Implementation and signal processing aspects of Iterative Regression Tuning. , 2010, , .		6
82	Magnetic Levitation System laboratory-based education in control engineering. , 2010, , .		3
83	Model-based fuzzy control solutions for a laboratory Antilock Braking System. , 2010, , .		5
84	Tensor product-based real-time control of the liquid levels in a three tank system. , 2010, , .		20
85	Experiments in Iterative Feedback tuning for level control of three-tank system. , 2010, , .		7
86	Stable and optimal fuzzy control of a laboratory Antilock Braking System. , 2010, , .		6
87	Modern Control Solutions with Applications in Mechatronic Systems. Studies in Computational Intelligence, 2010, , 87-102.	0.9	1
88	Stable design of fuzzy controllers for robotic telemanipulation applications. , 2009, , .		0
89	Model predictive control solutions for an electromagnetic actuator. , 2009, , .		0
90	Model-Based Design Issues in Fuzzy Logic Control. Studies in Computational Intelligence, 2009, , 137-152.	0.9	0

#	ARTICLE	IF	CITATIONS
91	Iterative Feedback Tuning in MIMO systems. Signal processing and application. , 2009, , .		1
92	Signal processing aspects in state feedback control based on Iterative Feedback Tuning. , 2009, , .		0
93	Nonlinear and linearized models and low-cost control solution for an electromagnetic actuator. , 2009, , .		3
94	Iterative Learning Control experimental results for inverted pendulum crane mode control. , 2009, , .		3
95	Iterative Feedback Tuning in Linear and Fuzzy Control Systems. Studies in Computational Intelligence, 2009, , 179-192.	0.9	1