

Igor Å krjanc

List of Publications by Year in descending order

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180
papers

4,259
citations

101543

36
h-index

149698

56
g-index

184
all docs

184
docs citations

184
times ranked

2539
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking-error model-based predictive control for mobile robots in real time. <i>Robotics and Autonomous Systems</i> , 2007, 55, 460-469.	5.1	318
2	Evolving fuzzy and neuro-fuzzy approaches in clustering, regression, identification, and classification: A Survey. <i>Information Sciences</i> , 2019, 490, 344-368.	6.9	203
3	Time optimal path planning considering acceleration limits. <i>Robotics and Autonomous Systems</i> , 2003, 45, 199-210.	5.1	117
4	Implementation of an Evolving Fuzzy Model (eFuMo) in a Monitoring System for a Waste-Water Treatment Process. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 1761-1776.	9.8	110
5	Recursive clustering based on a Gustafsonâ€“Kessel algorithm. <i>Evolving Systems</i> , 2011, 2, 15-24.	3.9	103
6	Identification of dynamical systems with a robust interval fuzzy model. <i>Automatica</i> , 2005, 41, 327-332.	5.0	90
7	Recursive fuzzy c-means clustering for recursive fuzzy identification of time-varying processes. <i>ISA Transactions</i> , 2011, 50, 159-169.	5.7	79
8	Optimal cooperative collision avoidance between multiple robots based on Bernsteinâ€“BÃ©zier curves. <i>Robotics and Autonomous Systems</i> , 2010, 58, 1-9.	5.1	75
9	Globally stable direct fuzzy model reference adaptive control. <i>Fuzzy Sets and Systems</i> , 2003, 139, 3-33.	2.7	74
10	Short-Term Load Forecasting by Separating Daily Profiles and Using a Single Fuzzy Model Across the Entire Domain. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 7406-7415.	7.9	70
11	Incremental Rule Splitting in Generalized Evolving Fuzzy Systems for Autonomous Drift Compensation. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 1854-1865.	9.8	67
12	New results in modelling derived from Bayesian filtering. <i>Knowledge-Based Systems</i> , 2010, 23, 182-194.	7.1	65
13	EKF-Based Localization of a Wheeled Mobile Robot in Structured Environments. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2011, 62, 187-203.	3.4	64
14	Modeling and Validation of an Electric Arc Furnace: Part 1, Heat and Mass Transfer. <i>ISIJ International</i> , 2012, 52, 402-412.	1.4	62
15	Hybrid fuzzy model-based predictive control of temperature in a batch reactor. <i>Computers and Chemical Engineering</i> , 2007, 31, 1552-1564.	3.8	60
16	Hybrid fuzzy predictive control based on genetic algorithms for the temperature control of a batch reactor. <i>Computers and Chemical Engineering</i> , 2008, 32, 3254-3263.	3.8	59
17	Direct fuzzy model-reference adaptive control. <i>International Journal of Intelligent Systems</i> , 2002, 17, 943-963.	5.7	57
18	A robust fuzzy adaptive law for evolving control systems. <i>Evolving Systems</i> , 2014, 5, 3-10.	3.9	57

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19	Predictive functional control based on an adaptive fuzzy model of a hybrid semi-batch reactor. <i>Control Engineering Practice</i> , 2010, 18, 979-989.	5.5	55
20	Design and Stability Analysis of Fuzzy Model-based Predictive Control – A Case Study. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2007, 49, 279-292.	3.4	52
21	Supervised Hierarchical Clustering in Fuzzy Model Identification. <i>IEEE Transactions on Fuzzy Systems</i> , 2011, 19, 1163-1176.	9.8	52
22	Fault detection for nonlinear systems with uncertain parameters based on the interval fuzzy model. <i>Engineering Applications of Artificial Intelligence</i> , 2007, 20, 503-510.	8.1	49
23	Continuous-time Wiener-model predictive control of a pH process based on a PWL approximation. <i>Chemical Engineering Science</i> , 2010, 65, 1720-1728.	3.8	48
24	Mathematical Modeling and Experimental Validation of an Electric Arc Furnace. <i>ISIJ International</i> , 2011, 51, 382-391.	1.4	46
25	Using a LRF sensor in the Kalman-filtering-based localization of a mobile robot. <i>ISA Transactions</i> , 2010, 49, 145-153.	5.7	45
26	Nonlinear System Identification by Gustafson–Kessel Fuzzy Clustering and Supervised Local Model Network Learning for the Drug Absorption Spectra Process. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 1941-1951.	4.2	44
27	Self-tuning of 2 DOF control based on evolving fuzzy model. <i>Applied Soft Computing Journal</i> , 2014, 19, 403-418.	7.2	44
28	Evolving Fuzzy-Model-Based Design of Experiments With Supervised Hierarchical Clustering. <i>IEEE Transactions on Fuzzy Systems</i> , 2015, 23, 861-871.	9.8	43
29	Fuzzy Predictive Functional Control in the State Space Domain. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2001, 31, 283-297.	3.4	42
30	Predictive Functional Control Based on Fuzzy Model: Design and Stability Study. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2005, 43, 283-299.	3.4	41
31	Energy-efficient fuzzy model-based multivariable predictive control of a HVAC system. <i>Energy and Buildings</i> , 2014, 82, 520-533.	6.7	41
32	A practical implementation of Robust Evolving Cloud-based Controller with normalized data space for heat-exchanger plant. <i>Applied Soft Computing Journal</i> , 2016, 48, 29-38.	7.2	41
33	Incremental Missing-Data Imputation for Evolving Fuzzy Granular Prediction. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2348-2362.	9.8	40
34	Nonlinear modeling and robust LMI fuzzy control of overhead crane systems. <i>Journal of the Franklin Institute</i> , 2021, 358, 1376-1402.	3.4	40
35	An approach to predictive control of multivariable time-delayed plant: Stability and design issues. <i>ISA Transactions</i> , 2004, 43, 585-595.	5.7	39
36	Modelling and Internal Fuzzy Model Power Control of a Francis Water Turbine. <i>Energies</i> , 2014, 7, 874-889.	3.1	39

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37	An overview on evolving systems and learning from stream data. <i>Evolving Systems</i> , 2020, 11, 181-198.	3.9	39
38	Modeling and Validation of an Electric Arc Furnace: Part 2, Thermo-chemistry. <i>ISIJ International</i> , 2012, 52, 413-423.	1.4	36
39	Robust evolving cloud-based controller for a hydraulic plant. , 2013, , .		35
40	Self-adaptive predictive functional control of the temperature in an exothermic batch reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2379-2385.	3.6	34
41	Fuzzy confidence interval for pH titration curve. <i>Applied Mathematical Modelling</i> , 2011, 35, 4083-4090.	4.2	33
42	Optimal Rule-Based Granular Systems From Data Streams. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 583-596.	9.8	32
43	Online fuzzy identification for an intelligent controller based on a simple platform. <i>Engineering Applications of Artificial Intelligence</i> , 2009, 22, 628-638.	8.1	31
44	A practical implementation of self-evolving cloud-based control of a pilot plant. , 2013, , .		31
45	The Detection Rate of Enteric Viruses and <i>Clostridium difficile</i> in a Waste Water Treatment Plant Effluent. <i>Food and Environmental Virology</i> , 2015, 7, 164-172.	3.4	31
46	Evolving model identification for process monitoring and prediction of non-linear systems. <i>Engineering Applications of Artificial Intelligence</i> , 2018, 68, 214-221.	8.1	31
47	Incremental Fuzzy C-Regression Clustering From Streaming Data for Local-Model-Network Identification. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 758-767.	9.8	29
48	Confidence interval of fuzzy models: An example using a waste-water treatment plant. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 182-187.	3.5	28
49	A Case Study of the Collision-Avoidance Problem Based on Bernsteinâ€™BÃ©zier Path Tracking for Multiple Robots with Known Constraints. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2010, 60, 317-337.	3.4	28
50	Evolving cloud-based system for the recognition of driversâ€™ actions. <i>Expert Systems With Applications</i> , 2018, 99, 231-238.	7.6	28
51	Predictive functional control based on fuzzy model: magnetic suspension system case study. <i>Engineering Applications of Artificial Intelligence</i> , 2003, 16, 425-430.	8.1	27
52	Fuzzy-model-based hybrid predictive control. <i>ISA Transactions</i> , 2009, 48, 24-31.	5.7	27
53	Minimisation of the capping tendency by tableting process optimisation with the application of artificial neural networks and fuzzy models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 172-178.	4.3	27
54	Evolving principal component clustering with a low run-time complexity for LRF data mapping. <i>Applied Soft Computing Journal</i> , 2015, 35, 349-358.	7.2	27

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55	Confidence-Interval-Fuzzy-Model-Based Indoor Localization. IEEE Transactions on Industrial Electronics, 2019, 66, 2015-2024.	7.9	27
56	Optimization of the Electric Arc Furnace Process. IEEE Transactions on Industrial Electronics, 2019, 66, 8030-8039.	7.9	27
57	Interval Fuzzy Modeling Applied to Wiener Models With Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 1092-1095.	5.0	26
58	Ensemble of evolving optimal granular experts, OWA aggregation, and time series prediction. Information Sciences, 2019, 504, 95-112.	6.9	26
59	Large-scale cyber attacks monitoring using Evolving Cauchy Possibilistic Clustering. Applied Soft Computing Journal, 2018, 62, 592-601.	7.2	25
60	Cluster-Volume-Based Merging Approach for Incrementally Evolving Fuzzy Gaussian Clustering – eGAUSS+. IEEE Transactions on Fuzzy Systems, 2020, 28, 2222-2231.	9.8	25
61	Cloud-based identification of an evolving system with supervisory mechanisms. , 2014, , .		24
62	Using a fuzzy black-box model to estimate the indoor illuminance in buildings. Energy and Buildings, 2014, 70, 343-351.	6.7	24
63	Model-Reference Fuzzy Adaptive Control as a Framework for Nonlinear System Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2003, 36, 331-347.	3.4	23
64	Comprehensive Electric Arc Furnace Model for Simulation Purposes and Model-Based Control. Steel Research International, 2017, 88, 1600083.	1.8	23
65	Fusion of visual odometry and inertial navigation system on a smartphone. Computers in Industry, 2015, 74, 119-134.	9.9	22
66	Modular Serial Flow Through device for pulsed electric field treatment of the liquid samples. Scientific Reports, 2017, 7, 8115.	3.3	22
67	Title is missing!. Journal of Intelligent and Robotic Systems: Theory and Applications, 2003, 36, 467-480.	3.4	21
68	Evolving Gustafson-kessel Possibilistic c-Means Clustering. Procedia Computer Science, 2015, 53, 191-198.	2.0	21
69	Feedforward control of a class of hybrid systems using an inverse model. Mathematics and Computers in Simulation, 2011, 82, 414-427.	4.4	20
70	Modeling and Validation of the Radiative Heat Transfer in an Electric Arc Furnace. ISIJ International, 2012, 52, 1225-1232.	1.4	20
71	Model predictive control of nonlinear hybrid systems with discrete inputs employing a hybrid fuzzy model. Nonlinear Analysis: Hybrid Systems, 2008, 2, 491-509.	3.5	19
72	Tableting process optimisation with the application of fuzzy models. International Journal of Pharmaceutics, 2010, 389, 86-93.	5.2	19

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73	Low Computational-complexity Model of EAF Arc-heat Distribution. ISIJ International, 2015, 55, 1353-1360.	1.4	19
74	Inner matrix norms in evolving Cauchy possibilistic clustering for classification and regression from data streams. Information Sciences, 2019, 478, 540-563.	6.9	19
75	Robust evolving cloud-based PID control adjusted by gradient learning method. , 2014, , .		18
76	Interval-model-based global optimization framework for robust stability and performance of PID controllers. Applied Soft Computing Journal, 2016, 40, 526-543.	7.2	18
77	Fuzzy Space Partitioning Based on Hyperplanes Defined by Eigenvectors for Takagi-Sugeno Fuzzy Model Identification. IEEE Transactions on Industrial Electronics, 2020, 67, 5144-5153.	7.9	18
78	Real-time fuzzy adaptive control. Engineering Applications of Artificial Intelligence, 1997, 10, 53-61.	8.1	17
79	On-line Evolving Cloud-based Model Identification for Production Control. IFAC-PapersOnLine, 2016, 49, 79-84.	0.9	17
80	Online bagging of evolving fuzzy systems. Information Sciences, 2021, 570, 16-33.	6.9	17
81	Design of fuzzy robust control strategies for a distributed solar collector field. Applied Soft Computing Journal, 2018, 71, 1009-1019.	7.2	16
82	Evolvable fuzzy systems from data streams with missing values: With application to temporal pattern recognition and cryptocurrency prediction. Pattern Recognition Letters, 2019, 128, 278-282.	4.2	16
83	An Automated Indoor Localization System for Online Bluetooth Signal Strength Modeling Using Visual-Inertial SLAM. Sensors, 2021, 21, 2857.	3.8	16
84	Hybrid Fuzzy Modelling for Model Predictive Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 50, 297-319.	3.4	15
85	Self-adaptive supervisory predictive functional control of a hybrid semi-batch reactor with constraints. Chemical Engineering Journal, 2008, 136, 312-319.	12.7	15
86	Indoor-environment simulator for control design purposes. Building and Environment, 2013, 70, 60-72.	6.9	15
87	Mobile-robot pose estimation and environment mapping using an extended Kalman filter. International Journal of Systems Science, 2014, 45, 2603-2618.	5.5	15
88	A Computational Model for Heat Transfer Coefficient Estimation in Electric Arc Furnace. Steel Research International, 2016, 87, 330-338.	1.8	15
89	A comparison of continuous and discrete tracking-error model-based predictive control for mobile robots. Robotics and Autonomous Systems, 2017, 87, 177-187.	5.1	14
90	Optimum Velocity Profile of Multiple Bernstein-Bézier Curves Subject to Constraints for Mobile Robots. ACM Transactions on Intelligent Systems and Technology, 2018, 9, 1-23.	4.5	14

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91	Advanced control algorithms embedded in a programmable logic controller. Control Engineering Practice, 2006, 14, 935-948.	5.5	13
92	Model-based Predictive Control of Hybrid Systems: A Probabilistic Neural-network Approach to Real-time Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 51, 45-63.	3.4	13
93	Solving the sales prediction problem with fuzzy evolving methods. , 2012, , .		13
94	Visual Trajectory-Tracking Model-Based Control for Mobile Robots. International Journal of Advanced Robotic Systems, 2013, 10, 323.	2.1	13
95	Hybrid-fuzzy modeling and identification. Applied Soft Computing Journal, 2014, 17, 67-78.	7.2	13
96	Control of indoor CO2 concentration based on a process model. Automation in Construction, 2014, 42, 122-126.	9.8	13
97	Efficient Time-To-Collision Estimation for a Braking Supervision System with LIDAR. , 2017, , .		13
98	Drivable Path Planning Using Hybrid Search Algorithm Based on E* and Bernsteinâ€™s Motion Primitives. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4868-4882.	9.3	13
99	Soft sensor of bath temperature in an electric arc furnace based on a data-driven Takagiâ€™Sugeno fuzzy model. Applied Soft Computing Journal, 2021, 113, 107949.	7.2	13
100	Evolving neural network with extreme learning for system modeling. , 2014, , .		12
101	Analysis of adaptation law of the robust evolving cloud-based controller. , 2015, , .		12
102	Robust Evolving Cloud-based Controller in normalized data space for heat-exchanger plant. , 2015, , .		12
103	An evolving concept in the identification of an interval fuzzy model of Wiener-Hammerstein nonlinear dynamic systems. Information Sciences, 2021, 581, 73-87.	6.9	12
104	Fault detection in smart grids with time-varying distributed generation using wavelet energy and evolving neural networks. Evolving Systems, 2020, 11, 165-180.	3.9	11
105	Fuzzy predictive control based on relational matrix models. Computers and Chemical Engineering, 1996, 20, S931-S936.	3.8	10
106	Comparison of Approaches for Identification of All-data Cloud-based Evolving Systems. IFAC-PapersOnLine, 2015, 48, 129-134.	0.9	10
107	Identification of the phase code in an EEG during gripping-force tasks: A possible alternative approach to the development of the brain-computer interfaces. Artificial Intelligence in Medicine, 2008, 44, 41-49.	6.5	9
108	Control of mineral wool thickness using predictive functional control. Robotics and Computer-Integrated Manufacturing, 2012, 28, 344-350.	9.9	9

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109	The Influence of Electric-Arc-Furnace Input Feeds on its Electrical Energy Consumption. Journal of Sustainable Metallurgy, 2021, 7, 1013-1026.	2.3	9
110	Evolving Fuzzy Model Identification of Nonlinear Wiener-Hammerstein Processes. IEEE Access, 2021, 9, 158470-158480.	4.2	9
111	Pitch Angle Control of Unmanned Air Vehicle with Uncertain System Parameters. Journal of Intelligent and Robotic Systems: Theory and Applications, 2006, 47, 285-297.	3.4	8
112	Cooperative Collision Avoidance between Multiple Robots Based on Bézier Curves. Information Technology Interfaces (ITI), Proceedings of the International Conference on, 2007, , .	0.0	8
113	Gripping-force identification using EEG and phase-demodulation approach. Neuroscience Research, 2008, 60, 389-396.	1.9	8
114	Theoretical and fuzzy modelling of a pharmaceutical batch reactor. Mathematical and Computer Modelling, 2011, 53, 637-645.	2.0	8
115	Development of an Electric Arc Furnace Simulator Considering Thermal, Chemical and Electrical Aspects. ISIJ International, 2012, 52, 1924-1926.	1.4	8
116	Fuzzy Control of a Helio-Crane. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 72, 497-515.	3.4	8
117	Evolving fuzzy-madel-based on c-regression clustering. , 2014, , .		8
118	A Robust Evolving Cloud-Based Controller. , 2015, , 1435-1449.		8
119	Modelling and Simulation of the Melting Process in Electric Arc Furnacesâ€”Influence of Numerical Solution Methods. Steel Research International, 2016, 87, 581-588.	1.8	8
120	Robust evolving controller for simulated surge tank and for real two-tank plant. Automatisierungstechnik, 2018, 66, 725-734.	0.8	8
121	Data-Driven Modelling and Optimization of Energy Consumption in EAF. Metals, 2022, 12, 816.	2.3	8
122	Mathematical Model of an Autoclave. Strojnikski Vestnik/Journal of Mechanical Engineering, 2011, 57, 503-516.	1.1	7
123	A new fuzzy adaptive law with leakage. , 2012, , .		7
124	A Decomposed-model Predictive Functional Control Approach to Air-vehicle Pitch-angle Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 48, 115-127.	3.4	6
125	Applications, results and future direction (EAIS 12). Evolving Systems, 2014, 5, 1-2.	3.9	6
126	A Comparison of Fuzzy and CPWL Approximations in the Continuous-time Nonlinear Model-predictive Control of Time-delayed Wiener-type Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2006, 47, 125-137.	3.4	5

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127	Adaptive Supervisory Predictive Control of a Hybrid Fed-Batch Reactor with Slow Actuator. Industrial & Engineering Chemistry Research, 2007, 46, 8050-8057.	3.7	5
128	Inverse-model predictive control based on INFUMO-BB-BC optimization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 294-299.	0.4	5
129	Automated generation of feedforward control using feedback linearization of local model networks. Engineering Applications of Artificial Intelligence, 2016, 50, 320-330.	8.1	5
130	Fuzzy model predictive control of a DC-DC boost converter based on non-linear model identification. Mathematical and Computer Modelling of Dynamical Systems, 2017, 23, 116-134.	2.2	5
131	EAF Heat Recovery from Incident Radiation on Water-Cooled Panels Using a Thermophotovoltaic System: A Conceptual Study. Steel Research International, 2018, 89, 1700446.	1.8	5
132	Nonlinear Fuzzy State-Space Modeling and LMI Fuzzy Control of Overhead Cranes. , 2019, , .		5
133	Cyber-physical modelling in Modelica with model-reduction techniques. Journal of Systems and Software, 2020, 163, 110517.	4.5	5
134	Predictive Trajectory Tracking Control for Mobile Robots. , 2006, , .		4
135	If approximating nonlinear areas, then consider fuzzy systems. IEEE Potentials, 2006, 25, 18-23.	0.3	4
136	Possible use of evolving c-regression clustering for energy consumption profiles classification. , 2015, , .		4
137	Robust evolving cloud-based control for the distributed solar collector field. , 2016, , .		4
138	Evolving cauchy possibilistic clustering and its application to large-scale cyberattack monitoring. , 2017, , .		4
139	Fault detection through evolving fuzzy cloud-based model âžž Presented work has been co-financed by Ministry of Education, Science and Sport of Republic of Slovenia in the frame of GOSTOP programme, operation no. C3330-16-529000.. IFAC-PapersOnLine, 2018, 51, 795-800.	0.9	4
140	Comparison of Novel Approaches to the Predictive Control of a DC-DC Boost Converter, Based on Heuristics. Energies, 2018, 11, 3300.	3.1	4
141	Automated vehicle driveaway with a manual dry clutch on chassis dynamometers: Efficient identification and decoupling control. ISA Transactions, 2020, 98, 237-250.	5.7	4
142	Continuous-Time Wiener-Model Predictive Control of a pH Process. Information Technology Interfaces (ITI), Proceedings of the International Conference on, 2007, , .	0.0	3
143	SUpervised Hlerarchical CLUSTering (SUHICLUST) for nonlinear system identification. , 2009, , .		3
144	Homography estimation from circular motion for use in visual control. Robotics and Autonomous Systems, 2014, 62, 1486-1496.	5.1	3

#	ARTICLE	IF	CITATIONS
145	Evolving fuzzy model based performance identification for production control. , 2016, , .		3
146	Two Degrees of Freedom in the Control of a DC-DC Boost Converter, Fuzzy Identified Explicit Model in Feed-forward Line. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 82, 479-493.	3.4	3
147	Robust Evolving Cloud-based Controller (RECCo). , 2017, , .		3
148	Hybrid System Identification by Incremental Fuzzy C-regression Clustering. , 2020, , .		3
149	Detection of driver maneuvers using evolving fuzzy cloud-based system. , 2020, , .		3
150	Evolving Gaussian on-line clustering in social network analysis. Expert Systems With Applications, 2022, 207, 117881.	7.6	3
151	Predictive functional control based on fuzzy model for heat-exchanger pilot plant. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 8608-8612.	0.4	2
152	Self-tuning Dynamic Matrix Control of two-axis autopilot for small aeroplanes. , 2013, , .		2
153	A 2 DOF predictive control based on evolving fuzzy model. , 2014, , .		2
154	Bluetooth localization based on fuzzy models and particle swarm optimization. , 2017, , .		2
155	Indoor RSSI-based Localization using Fuzzy Path Loss Models. , 2018, , .		2
156	Fuzzy Interval Modelling based on Joint Supervision. , 2020, , .		2
157	Obstacle Avoidance for Line-Following AGV with Local Maps. , 2021, , .		2
158	A new fault-detection system for nonlinear systems based on an interval fuzzy model. , 2007, , .		1
159	Monitoring of waste-water treatment plant using Takagi-Sugeno fuzzy model. , 2008, , .		1
160	Design of the image-based satellite attitude control algorithm. , 2013, , .		1
161	Influence of sample period variation to MPC trajectory tracking of mobile robot. IFAC-PapersOnLine, 2015, 48, 669-670.	0.9	1
162	Additional Slag Doors for Increased EAF Efficiency: A Conceptual Study. ISIJ International, 2017, 57, 1394-1399.	1.4	1

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163	Partial cloud-based evolving method for fault detection of HVAC system. , 2018, , .		1
164	Multiobjective Optimization of Fully Autonomous Evolving Fuzzy Granular Models. , 2019, , .		1
165	Novel Fuzzy Adaptive Combustion Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 185-189.	0.4	0
166	Coprime-factorized Model Predictive Control for Unstable Processes with Delay. Journal of Intelligent and Robotic Systems: Theory and Applications, 2007, 49, 237-251.	3.4	0
167	Discussion on: "Optimality Properties and Driver Input Parameterization for Trail-braking Cornering". European Journal of Control, 2008, 14, 325-326.	2.6	0
168	Hybrid Fuzzy Predictive Control of a Batch Reactor Using a Branch and Bound and a Genetic Algorithm Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 8381-8386.	0.4	0
169	Hybrid predictive control design with mixed inputs based on PSO and its application for control of a Batch Reactor. , 2010, , .		0
170	Fuzzy model xml formulation for production dynamics analysis and control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 4352-4357.	0.4	0
171	Editorial: Special issue on Advanced Soft Computing for Prognostic Health Management. Applied Soft Computing Journal, 2018, 72, 552-554.	7.2	0
172	Initial study on evolving state space neural networks (eSSNN). , 2018, , .		0
173	Realization-preserving model reduction of object-oriented models using energy-based metrics. Simulation, 2019, 95, 607-620.	1.8	0
174	Computation of continuous sequential reference paths from discrete optimal paths for mobile robots. , 2020, , .		0
175	eGauss+ evolving clustering in classification. , 2021, , .		0
176	Depth-Image Segmentation Based on Evolving Principles for 3D Sensing of Structured Indoor Environments. Sensors, 2021, 21, 4395.	3.8	0
177	Hybrid Fuzzy Model. Studies in Computational Intelligence, 2013, , 33-47.	0.9	0
178	Cascade affine constant recursive algorithm for model-based control. IFAC-PapersOnLine, 2021, 54, 299-302.	0.9	0
179	Segmentation of Stereo-Camera Depth Image into Planar Regions based on Evolving Principal Component Clustering. , 2021, , .		0
180	Evolving clustering algorithm based on average cluster distance - eCAD. , 2022, , .		0