

Visakan Kadiramanathan

List of Publications by Year in descending order

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202
papers

4,030
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211
docs citations

211
times ranked

3521
citing authors

#	ARTICLE	IF	CITATIONS
1	A Function Estimation Approach to Sequential Learning with Neural Networks. <i>Neural Computation</i> , 1993, 5, 954-975.	1.3	441
2	Stability analysis of the particle dynamics in particle swarm optimizer. <i>IEEE Transactions on Evolutionary Computation</i> , 2006, 10, 245-255.	7.5	308
3	A Zebrafish Compound Screen Reveals Modulation of Neutrophil Reverse Migration as an Anti-Inflammatory Mechanism. <i>Science Translational Medicine</i> , 2014, 6, 225ra29.	5.8	229
4	Dynamic structure neural networks for stable adaptive control of nonlinear systems. <i>IEEE Transactions on Neural Networks</i> , 1996, 7, 1151-1167.	4.8	178
5	Particle filtering based likelihood ratio approach to fault diagnosis in nonlinear stochastic systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 2001, 31, 337-343.	3.3	135
6	Lead Optimization Using Matched Molecular Pairs: Inclusion of Contextual Information for Enhanced Prediction of hERG Inhibition, Solubility, and Lipophilicity. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1872-1886.	2.5	113
7	Source-Side Series-Virtual-Impedance Control to Improve the Cascaded System Stability and the Dynamic Performance of Its Source Converter. <i>IEEE Transactions on Power Electronics</i> , 2019, 34, 5854-5866.	5.4	99
8	Dual adaptive control of nonlinear stochastic systems using neural networks. <i>Automatica</i> , 1998, 34, 245-253.	3.0	98
9	Point process modelling of the Afghan War Diary. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12414-12419.	3.3	97
10	Variable neural networks for adaptive control of nonlinear systems. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , 1999, 29, 34-43.	3.3	88
11	Predictive control for non-linear systems using neural networks. <i>International Journal of Control</i> , 1998, 71, 1119-1132.	1.2	83
12	Estimation of parameters in a linear state space model using a Rao-Blackwellised particle filter. <i>IET Control Theory and Applications</i> , 2004, 151, 727-738.	1.7	76
13	Functional Adaptive Control. <i>Communications and Control Engineering</i> , 2001, , .	1.0	69
14	Particle filtering-based fault detection in non-linear stochastic systems. <i>International Journal of Systems Science</i> , 2002, 33, 259-265.	3.7	68
15	Modeling the evolution of culture-adapted human embryonic stem cells. <i>Stem Cell Research</i> , 2010, 4, 50-56.	0.3	61
16	Modelling and identification of non-linear deterministic systems in the delta-domain. <i>Automatica</i> , 2007, 43, 1859-1868.	3.0	59
17	Repelled from the wound, or randomly dispersed? Reverse migration behaviour of neutrophils characterized by dynamic modelling. <i>Journal of the Royal Society Interface</i> , 2012, 9, 3229-3239.	1.5	55
18	A data-driven framework for neural field modeling. <i>NeuroImage</i> , 2011, 56, 1043-1058.	2.1	54

#	ARTICLE	IF	CITATIONS
19	A century of variation in the dependence of Greenland iceberg calving on ice sheet surface mass balance and regional climate change. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014, 470, 20130662.	1.0	53
20	Current-Limiting Droop Control Design and Stability Analysis for Paralleled Boost Converters in DC Microgrids. <i>IEEE Transactions on Control Systems Technology</i> , 2021, 29, 385-394.	3.2	52
21	Multiobjective criteria for neural network structure selection and identification of nonlinear systems using genetic algorithms. <i>IET Control Theory and Applications</i> , 1999, 146, 373-382.	1.7	49
22	On-line identification of nonlinear systems using Volterra polynomial basis function neural networks. <i>Neural Networks</i> , 1998, 11, 1645-1657.	3.3	48
23	Computational system identification for Bayesian NARMAX modelling. <i>Automatica</i> , 2013, 49, 2641-2651.	3.0	48
24	Structure detection and parameter estimation for NARX models in a unified EM framework. <i>Automatica</i> , 2012, 48, 857-865.	3.0	37
25	Autonomous crowds tracking with box particle filtering and convolution particle filtering. <i>Automatica</i> , 2016, 69, 380-394.	3.0	37
26	UDE-Based Controller Equipped with a Multi-Band-Stop Filter to Improve the Voltage Quality of Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 7433-7443.	5.2	37
27	A data-driven approach for predicting printability in metal additive manufacturing processes. <i>Journal of Intelligent Manufacturing</i> , 2020, 31, 1769-1781.	4.4	36
28	Pioneer neutrophils release chromatin within in vivo swarms. <i>ELife</i> , 2021, 10, .	2.8	36
29	Data-Driven Spatio-Temporal Modeling Using the Integro-Difference Equation. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 83-91.	3.2	34
30	Fault detection and isolation in non-linear stochastic systems – A combined adaptive Monte Carlo filtering and likelihood ratio approach. <i>International Journal of Control</i> , 2004, 77, 1101-1114.	1.2	33
31	Drift-Diffusion Analysis of Neutrophil Migration during Inflammation Resolution in a Zebrafish Model. <i>Advances in Hematology</i> , 2012, 2012, 1-8.	0.6	29
32	Nonlinear system identification using wavelet networks. <i>International Journal of Systems Science</i> , 2000, 31, 1531-1541.	3.7	28
33	A Bayesian framework to estimate part quality and associated uncertainties in multistage manufacturing. <i>Computers in Industry</i> , 2019, 105, 35-47.	5.7	28
34	Bone remodelling in the mouse tibia is spatio-temporally modulated by oestrogen deficiency and external mechanical loading: A combined in vivo/in silico study. <i>Acta Biomaterialia</i> , 2020, 116, 302-317.	4.1	28
35	Analysis of Neighborhood Behavior in Lead Optimization and Array Design. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 195-208.	2.5	26
36	Multi-objective optimization of operational variables in a waste incineration plant. <i>Computers and Chemical Engineering</i> , 2005, 29, 1121-1130.	2.0	25

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37	Changes in the ultra-low frequency wave field during the precursor phase to the Sichuan earthquake: DEMETER observations. <i>Annales Geophysicae</i> , 2013, 31, 1597-1603.	0.6	24
38	Markov Chain Monte Carlo Algorithm based metabolic flux distribution analysis on <i>Corynebacterium glutamicum</i> . <i>Bioinformatics</i> , 2006, 22, 2681-2687.	1.8	23
39	Estimation and Model Selection for an IDE-Based Spatio-Temporal Model. <i>IEEE Transactions on Signal Processing</i> , 2009, 57, 482-492.	3.2	23
40	Stable sequential identification of continuous nonlinear dynamical systems by growing radial basis function networks. <i>International Journal of Control</i> , 1996, 65, 53-69.	1.2	22
41	Dynamic model reference PI control of permanent magnet AC motor drives. <i>Control Engineering Practice</i> , 2001, 9, 1255-1263.	3.2	22
42	Parameter estimation of railway vehicle dynamic model using rao-blackwellised particle filter. , 2003, , .		22
43	50 Years of international journal of systems science: a review of the past and trends for the future. <i>International Journal of Systems Science</i> , 2021, 52, 1515-1538.	3.7	21
44	The SIPHER Consortium: Introducing the new UK hub for systems science in public health and health economic research. <i>Wellcome Open Research</i> , 2019, 4, 174.	0.9	20
45	Parameter estimation and inference for stochastic reaction-diffusion systems: application to morphogenesis in <i>D. melanogaster</i> . <i>BMC Systems Biology</i> , 2010, 4, 21.	3.0	19
46	Prepatterning in the Stem Cell Compartment. <i>PLoS ONE</i> , 2010, 5, e10901.	1.1	19
47	Estimating an Individual's Probability of Revision Surgery After Knee Replacement: A Comparison of Modeling Approaches Using a National Data Set. <i>American Journal of Epidemiology</i> , 2018, 187, 2252-2262.	1.6	18
48	The Neutrophil's Eye-View: Inference and Visualisation of the Chemoattractant Field Driving Cell Chemotaxis In Vivo. <i>PLoS ONE</i> , 2012, 7, e35182.	1.1	17
49	A sequential Monte Carlo filtering approach to fault detection and isolation in nonlinear systems. , 0, , .		16
50	A DES approach for the contextual load modelling of supply chain system for instability analysis. <i>Simulation Modelling Practice and Theory</i> , 2006, 14, 541-563.	2.2	16
51	A Canonical Space-Time State Space Model: State and Parameter Estimation. <i>IEEE Transactions on Signal Processing</i> , 2007, 55, 4862-4870.	3.2	16
52	A Data-Driven Framework for Identifying Nonlinear Dynamic Models of Genetic Parts. <i>ACS Synthetic Biology</i> , 2012, 1, 375-384.	1.9	16
53	Inferring the variation of climatic and glaciological contributions to West Greenland iceberg discharge in the twentieth century. <i>Cold Regions Science and Technology</i> , 2016, 121, 167-178.	1.6	16
54	Uncertainty and Disturbance Estimator-Based Controller Equipped With a Time-Delayed Filter to Improve the Voltage Quality of Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 459-469.	5.2	16

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55	Multi-dimensional electrical impedance myography of the tongue as a potential biomarker for amyotrophic lateral sclerosis. <i>Clinical Neurophysiology</i> , 2020, 131, 799-808.	0.7	16
56	Predictive control of fast-sampled systems using the delta-operator. <i>International Journal of Systems Science</i> , 2009, 40, 745-756.	3.7	15
57	Variational Estimation in Spatiotemporal Systems From Continuous and Point-Process Observations. <i>IEEE Transactions on Signal Processing</i> , 2012, 60, 3449-3459.	3.2	15
58	A perturbation signal based data-driven Gaussian process regression model for in-process part quality prediction in robotic countersinking operations. <i>Robotics and Computer-Integrated Manufacturing</i> , 2021, 71, 102105.	6.1	14
59	Metabolic flux distribution analysis by ¹³ C-tracer experiments using the Markov chain Monte Carlo method. <i>Biochemical Society Transactions</i> , 2005, 33, 1421.	1.6	13
60	Modified variational Bayes EM estimation of hidden Markov tree model of cell lineages. <i>Bioinformatics</i> , 2009, 25, 2824-2830.	1.8	13
61	Multiple Gaussian process models for direct time series forecasting. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2011, 6, 245-252.	0.8	13
62	Inspection by exception: A new machine learning-based approach for multistage manufacturing. <i>Applied Soft Computing Journal</i> , 2020, 97, 106787.	4.1	13
63	A statistical inference based growth criterion for the RBF network. , 0, , .		12
64	Multiple Filter-Based Deterministic Sequence Estimation in Non-Gaussian Channels. <i>IEEE Signal Processing Letters</i> , 2006, 13, 185-188.	2.1	12
65	JointCalc: A web-based personalised patient decision support tool for joint replacement. <i>International Journal of Medical Informatics</i> , 2020, 142, 104217.	1.6	12
66	Stability analysis and nonlinear current limiting control design for DC microgrids with CPLs. <i>IET Smart Grid</i> , 2020, 3, 355-366.	1.5	12
67	Conditional StyleGAN modelling and analysis for a machining digital twin. <i>Integrated Computer-Aided Engineering</i> , 2021, 28, 399-415.	2.5	12
68	Design of a pH control system using fuzzy non-uniform grid scheduling and evolutionary programming. <i>Applied Soft Computing Journal</i> , 2001, 1, 91-104.	4.1	11
69	Analysis of fast-sampled non-linear systems: Generalised frequency response functions for delta-operator models. <i>Signal Processing</i> , 2006, 86, 3246-3257.	2.1	11
70	Online Variational Inference for State-Space Models with Point-Process Observations. <i>Neural Computation</i> , 2011, 23, 1967-1999.	1.3	11
71	Using feedback control to actively regulate the healing rate of a self-healing process subjected to low cycle dynamic stress. <i>Smart Materials and Structures</i> , 2016, 25, 055028.	1.8	11
72	Compact Deep Neural Networks for Computationally Efficient Gesture Classification From Electromyography Signals. , 2018, , .		11

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73	An Intelligent Metrology Informatics System based on Neural Networks for Multistage Manufacturing Processes. <i>Procedia CIRP</i> , 2019, 82, 444-449.	1.0	11
74	Uncertainty and Disturbance Estimator Based Controller Equipped With a Multiple-Time-Delayed Filter to Improve the Voltage Quality of Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 8947-8957.	5.2	11
75	Positive interactions of mechanical loading and PTH treatments on spatio-temporal bone remodelling. <i>Acta Biomaterialia</i> , 2021, 136, 291-305.	4.1	11
76	Adaptive joint detection and estimation in MIMO systems: a hybrid systems approach. <i>IEEE Transactions on Signal Processing</i> , 2006, 54, 1629-1644.	3.2	10
77	Metabolic Flux Estimation-A Self-Adaptive Evolutionary Algorithm with Singular Value Decomposition. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2007, 4, 126-138.	1.9	10
78	Spatiotemporal System Identification With Continuous Spatial Maps and Sparse Estimation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 2978-2983.	7.2	10
79	Model-based estimation of intra-cortical connectivity using electrophysiological data. <i>NeuroImage</i> , 2015, 118, 563-575.	2.1	10
80	Metabolic flux distribution analysis by ¹³ C-tracer experiments using the Markov chain Monte Carlo method. <i>Biochemical Society Transactions</i> , 2005, 33, 1421-1422.	1.6	9
81	Time Series Forecasting Using Multiple Gaussian Process Prior Model. , 2007, , .		9
82	Maximum-Likelihood Estimation of Delta-Domain Model Parameters From Noisy Output Signals. <i>IEEE Transactions on Signal Processing</i> , 2008, 56, 3765-3770.	3.2	9
83	Spatiotemporal multi-resolution approximation of the Amari type neural field model. <i>NeuroImage</i> , 2013, 66, 88-102.	2.1	9
84	Towards a Digital Twin with Generative Adversarial Network Modelling of Machining Vibration. <i>Proceedings of the International Neural Networks Society</i> , 2020, , 190-201.	0.6	9
85	Decision Support System on the Grid. <i>Lecture Notes in Computer Science</i> , 2004, , 699-710.	1.0	8
86	Distributed health monitoring for aero-engines on the GRID: DAME. , 2005, , .		8
87	Service-oriented architecture on the Grid for integrated fault diagnostics. <i>Concurrency Computation Practice and Experience</i> , 2007, 19, 223-234.	1.4	8
88	Computational system identification of continuous-time nonlinear systems using approximate Bayesian computation. <i>International Journal of Systems Science</i> , 2016, 47, 3537-3544.	3.7	8
89	Admittance matrix computation and stability analysis of droop controlled DC micro-grids with CPL. <i>IFAC-PapersOnLine</i> , 2020, 53, 13525-13530.	0.5	8
90	Models of dynamic complexity for time-series prediction (neural networks). , 1992, , .		7

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91	Neural network-based variable structure control for nonlinear discrete systems. International Journal of Systems Science, 1999, 30, 1153-1160.	3.7	7
92	Optimisation of maintenance scheduling strategies on the grid. Annals of Operations Research, 2010, 180, 213-231.	2.6	7
93	An efficient TOF-SIMS image analysis with spatial correlation and alternating negativity-constrained least squares. Bioinformatics, 2015, 31, 753-760.	1.8	7
94	Interacting multiple models for single-user channel estimation and equalization. , 0, , .		6
95	Dynamic control of permanent magnet synchronous motors for automotive drive applications. , 1999, , .		6
96	Person-specific gesture set selection for optimised movement classification from EMG signals. , 2016, 2016, 880-883.		6
97	Control of DC power distribution system of a hybrid electric aircraft with inherent overcurrent protection. , 2018, , .		6
98	A Spatiotemporal Estimation Framework for Real-World LIDAR Wind Speed Measurements. IEEE Transactions on Control Systems Technology, 2020, 28, 1595-1602.	3.2	6
99	Modelling and analysis of electrical impedance myography of the lateral tongue. Physiological Measurement, 2020, 41, 125008.	1.2	6
100	Stability analysis of DC micro-grids with CPLs under novel decentralized primary and distributed secondary control. Automatica, 2022, 139, 110187.	3.0	6
101	Variable Neural Networks for Nonlinear Adaptive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 2580-2585.	0.4	5
102	Dynamic model tracking design for low inertia, high speed permanent magnet ac motors. ISA Transactions, 2004, 43, 111-122.	3.1	5
103	Unscented Rauch-Tung-Striebel smoothing for nonlinear descriptor systems. , 2015, , .		5
104	Development of a New Machine Learning-based Informatics System for Product Health Monitoring. Procedia CIRP, 2020, 93, 473-478.	1.0	5
105	A systematic approach to the scale separation problem in the development of multiscale models. PLoS ONE, 2021, 16, e0251297.	1.1	5
106	The Role of the Loading Condition in Predictions of Bone Adaptation in a Mouse Tibial Loading Model. Frontiers in Bioengineering and Biotechnology, 2021, 9, 676867.	2.0	5
107	The Data-Driven Surrogate Model-Based Dynamic Design of Aeroengine Fan Systems. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	5
108	Integrated Identification of the Nonlinear Autoregressive Models With Exogenous Inputs (NARX) for Engineering Systems Design. IEEE Transactions on Control Systems Technology, 2023, 31, 394-401.	3.2	5

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109	Recursive nonlinear identification using multiple model algorithm. , 0, , .		4
110	Particle filters for recursive model selection in linear and nonlinear system identification. , 0, , .		4
111	Particle filtering based multiple-model approach to fault diagnosis in nonlinear stochastic systems. , 2001, , .		4
112	Integrated fault diagnostics on the grid. , 0, , .		4
113	Decision support system on the grid. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2005, 9, 315-326.	0.7	4
114	Use of kernel-based Bayesian models to predict late osteolysis after hip replacement. Journal of the Royal Society Interface, 2013, 10, 20130678.	1.5	4
115	Power sharing of parallel operated DC-DC converters using current-limiting droop control. , 2017, , .		4
116	Data driven modelling and simulation of wetland dynamics. International Journal of Modelling and Simulation, 2022, 42, 450-463.	2.3	4
117	Tensor electrical impedance myography identifies clinically relevant features in amyotrophic lateral sclerosis. Physiological Measurement, 2021, 42, 105004.	1.2	4
118	A Bayesian information fusion approach for end product quality estimation using machine learning and on-machine probing. Journal of Manufacturing Processes, 2022, 76, 475-485.	2.8	4
119	A two-step machining and active learning approach for right-first-time robotic countersinking through in-process error compensation and prediction of depth of cuts. Robotics and Computer-Integrated Manufacturing, 2022, 77, 102345.	6.1	4
120	Stable Nonlinear Adaptive Control With Growing Radial Basis Function Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 245-250.	0.4	3
121	Utilising a Simulink Gas Turbine Engine Model for Fault Diagnosis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 237-242.	0.4	3
122	Nonlinear identification via variable wavelet networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 3879-3884.	0.4	3
123	Grid-based decision support with pro-active mobile computing. , 2005, , .		3
124	In vivo Intracellular Metabolite Dynamics Estimation by Sequential Monte Carlo Filter. , 2007, , .		3
125	Gaussian Process Latent Variable Models for Fault Detection. , 2007, , .		3
126	Exploration and control of stochastic spatiotemporal systems with mobile agents. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 4489-4494.	0.4	3

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127	A variational approach for the online dual estimation of spatiotemporal systems governed by the IDE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 3204-3209.	0.4	3
128	Spatio-temporal dynamic modelling of smart structures using a robust expectationâ€“maximization algorithm. Smart Materials and Structures, 2011, 20, 045015.	1.8	3
129	Analysis of composite plate dynamics using spatial maps of frequency-domain features described by Gaussian processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 949-954.	0.4	3
130	Impedance shaping for parallel operation of inverters in islanded AC microgrids. , 2015, , .		3
131	New insights for applications of Kreisselmeier's structure in robust and fault tolerant control. , 2017, , .		3
132	Weak Interactions Based System Partitioning Using Integer Linear Programming. IFAC-PapersOnLine, 2017, 50, 3635-3641.	0.5	3
133	Spatio-temporal Organization During Ventricular Fibrillation in the Human Heart. Annals of Biomedical Engineering, 2018, 46, 864-876.	1.3	3
134	Current-Limiting Droop Control Design of Paralleled AC/DC and DC/DC Converters in DC Micro-Grids. , 2018, , .		3
135	Reinforcement learning for condition-based control of gas turbine engines. , 2019, , .		3
136	A new method to monitor bone geometry changes at different spatial scales in the longitudinal in vivo 1/4CT studies of mice bones. PLoS ONE, 2019, 14, e0219404.	1.1	3
137	Personalized estimation of one-year mortality risk after elective hip or knee arthroplasty for osteoarthritis. Bone and Joint Research, 2020, 9, 808-820.	1.3	3
138	Novel droop control design for overvoltage protection of DC microgrids with a constant power load. , 2020, , .		3
139	Supervised-distributed control with joint performance and communication optimisation. International Journal of Control, 2020, , 1-12.	1.2	3
140	Circuit Architecture for Electrical Impedance Spectroscopy Instrumentation to Address Electrode Impedance Mismatch in Clinical Devices. IEEE Sensors Journal, 2021, 21, 22258-22269.	2.4	3
141	Differential Evolution and Its Application to Metabolic Flux Analysis. Lecture Notes in Computer Science, 2005, , 115-124.	1.0	3
142	Tensor electrical impedance myography identifies bulbar disease progression in amyotrophic lateral sclerosis. Clinical Neurophysiology, 2022, 139, 69-75.	0.7	3
143	Kalman filter based estimation of dynamic modular networks. , 0, , .		2
144	Variable structure control for nonlinear discrete systems using neural networks. , 1997, , .		2

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145	On-line identification of nonlinear systems using volterra polynomial basis function neural networks. , 1997, , .		2
146	Recursive structure estimation for nonlinear identification with modular networks. , 0, , .		2
147	Title is missing!. Artificial Intelligence Review, 1999, 13, 337-339.	9.7	2
148	<title>Sequential Monte Carlo filtering vs. the IMM estimator for fault detection and isolation in nonlinear systems</title>. , 2001, , .		2
149	Adaptive multiuser detection for frequency selective channel using IMM. , 0, , .		2
150	Commutation of permanent-magnet synchronous AC motors for military and traction applications. IEEE Transactions on Industrial Electronics, 2003, 50, 629-630.	5.2	2
151	Self-adaptive evolutionary algorithm based methods for quantification in metabolic systems. , 0, , .		2
152	The study of fault diagnosis in rotating machinery. , 2009, , .		2
153	An iterative Kalman smoother/least-squares algorithm for the identification of delta-ARX models. International Journal of Systems Science, 2010, 41, 839-851.	3.7	2
154	System identification from small data sets using an output jittering method with application to model estimation of bioethanol production. , 2012, , .		2
155	A bootstrap-based approach for parameter and polyspectral density estimation of a non-minimum phase ARMA process. International Journal of Systems Science, 2015, 46, 418-428.	3.7	2
156	Integrated Sensing, Monitoring and Healing of Composite Systems. Advances in Science and Technology, 2016, 101, 62-68.	0.2	2
157	Identification of Two-Time Scaled Systems Using Prefilters. Journal of Control Science and Engineering, 2018, 2018, 1-10.	0.8	2
158	A Data-Driven Framework for Identifying Tropical Wetland Model. , 2018, , .		2
159	Sepsis Patient Outcome Prediction Using Machine Learning. IFMBE Proceedings, 2019, , 795-799.	0.2	2
160	sParEGO â€“ A Hybrid Optimization Algorithm for Expensive Uncertain Multi-objective Optimization Problems. Lecture Notes in Computer Science, 2019, , 424-438.	1.0	2
161	An interpretable machine learning based approach for process to areal surface metrology informatics. Surface Topography: Metrology and Properties, 2021, 9, 044001.	0.9	2
162	ROBUST IDENTIFICATION WITH NEURAL NETWORKS USING MULTIOBJECTIVE CRITERIA. , 1995, , 251-256.		2

#	ARTICLE	IF	CITATIONS
163	STABLE NONLINEAR ADAPTIVE CONTROL WITH GROWING RADIAL BASIS FUNCTION NETWORKS. , 1995, , 245-250.		2
164	CycleStyleGAN-Based Knowledge Transfer for a Machining Digital Twin. Frontiers in Artificial Intelligence, 2021, 4, 767451.	2.0	2
165	Multiple RBF networks for on-line identification of nonlinear systems. , 1995, , .		1
166	Autonomously Learning Fault Detection System for Gas Turbine Engines. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 85-90.	0.4	1
167	Interacting multiple model for adaptive narrowband interference rejection in spread spectrum systems. , 0, , .		1
168	Multiple models for blind multiuser detection in MIMO DS/CDMA systems. , 0, , .		1
169	Robust multiuser detection in flat fading non-Gaussian channels. , 0, , .		1
170	Parametric polyspectrum density estimation using the bootstrap method. Signal Processing, 2007, 87, 177-188.	2.1	1
171	System Identification From Multiple Short-Time-Duration Signals. IEEE Transactions on Biomedical Engineering, 2007, 54, 2205-2213.	2.5	1
172	System identification of the fermentation system of Thermoanaerobacter sp. X514. , 2012, , .		1
173	An Experimental Analysis of an Active Elastic Metamaterial. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 959-965.	0.4	1
174	Cascaded control to shape output virtual impedance and improve output voltage quality for power inverter. , 2016, , .		1
175	Optimized synthesis of cost-effective, controllable oil system architectures for turbofan engines. Systems Engineering, 2018, 21, 417-431.	1.6	1
176	Estimation of Hidden Chemoattractant Field from Observed Cell Migration Patterns. IFAC-PapersOnLine, 2018, 51, 766-771.	0.5	1
177	Estimating patient-specific mortality after joint replacement: algorithm development and validation using national audit datasets. Osteoarthritis and Cartilage, 2019, 27, S229.	0.6	1
178	Modeling and Prediction in Conflict: Afghanistan. SpringerBriefs in Applied Sciences and Technology, 2013, , 47-66.	0.2	1
179	Metaparametric Neural Networks for Survival Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-10.	7.2	1
180	Conflict Data Sets and Point Patterns. SpringerBriefs in Applied Sciences and Technology, 2013, , 1-14.	0.2	1

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181	Risk Mining for Strategic Decision Making. , 2007, , 21-28.		1
182	Cross-entropy based pruning of the hierarchical mixtures of experts. , 0, , .		0
183	A Self-Organized Multiple Model Approach for Neural-Adaptive Control of Jump Nonlinear Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 115-120.	0.4	0
184	FDI IN NONLINEAR STOCHASTIC SYSTEMS USING ADAPTIVE MONTE CARLO FILTERS AND LIKELIHOOD RATIO APPROACH. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 479-484.	0.4	0
185	Fault detection, isolation and diagnosis with particle filters for nonlinear stochastic systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 1257-1262.	0.4	0
186	IJSS Editorial. International Journal of Systems Science, 2005, 36, iii-iii.	3.7	0
187	High-Order Multiple Model Channel and Sequence Estimation. , 2006, , .		0
188	Space-Time Block Coding: Joint Detection and Channel Estimation using Multiple Model Theory. , 2006, , .		0
189	Optimisation of Maintenance Scheduling Strategies on the Grid. , 2007, , .		0
190	A Bayesian framework for identifying cell migration dynamics. , 2013, 2013, 3455-8.		0
191	Estimation and Identification of Spatio-Temporal Models with Applications in Engineering, Healthcare and Social Science. Annual Reviews in Control, 2016, 42, 285-298.	4.4	0
192	Customer-oriented architecture refinement in multi-criteria synthesis of large-scale system architectures. , 2017, , .		0
193	Design of a UDE Frequency Selective Filter to Reject Periodical Disturbances. IFAC-PapersOnLine, 2017, 50, 7824-7829.	0.5	0
194	A Likelihood Ratio-Based Approach to Bleed Valve Event Detection in Gas Turbine Engines. , 2018, , .		0
195	Sensitivity analysisâ€‘based sepsis prognosis using artificial intelligence. Research on Biomedical Engineering, 2020, 36, 449-461.	1.5	0
196	The Lost Tribe: The Importance of Health Care Staff and Service Design During COVID-19. Disaster Medicine and Public Health Preparedness, 2021, , 1-2.	0.7	0
197	Dynamic Structure Networks for Stable Adaptive Control. Communications and Control Engineering, 2001, , 47-78.	1.0	0
198	Modelling Stem Cells Lineages with Markov Trees. Lecture Notes in Computer Science, 2009, , 233-243.	1.0	0

#	ARTICLE	IF	CITATIONS
199	A Rao-Blackwellised particle filter-based likelihood ratio approach to fault diagnosis for linear stochastic systems. , 2009, , .		0
200	Adaptive Planning of Staffing Levels in Health Care Organisations. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 88-95.	0.2	0
201	Sensitivity analysis of prefiltering in identification of two-time scaled systems. Asian Journal of Control, 2023, 25, 2398-2407.	1.9	0
202	A material system with integrated fault diagnosis and feedback controlled self-healing. International Journal of Adaptive Control and Signal Processing, 0, , .	2.3	0