Simon G Fabri

List of Publications by Year
in descending order

55 papers	1,827 citations	840119 11 h-index	610482 24 g-index
58 all docs	58 docs citations	58 times ranked	2114 citing authors

#	Article	IF	Citations
1	Review on solving the inverse problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2008, 5, 25.	2.4	865
2	Review on solving the forward problem in EEG source analysis. Journal of NeuroEngineering and Rehabilitation, 2007, 4, 46.	2.4	388
3	Dual adaptive control of nonlinear stochastic systems using neural networks. Automatica, 1998, 34, 245-253.	3.0	98
4	Dual Adaptive Dynamic Control of Mobile Robots Using Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 129-141.	5.5	81
5	Functional Adaptive Control. Communications and Control Engineering, 2001, , .	1.0	69
6	Particle filtering-based fault detection in non-linear stochastic systems. International Journal of Systems Science, 2002, 33, 259-265.	3.7	68
7	Automatic detection of spindles and K-complexes in sleep EEG using switching multiple models. Biomedical Signal Processing and Control, 2014, 10, 117-127.	3.5	37
8	Scribbles to vectors. , 2007, , .		27
9	Order Estimation of Multivariate ARMA Models. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 494-503.	7.3	24
10	The independent components of auditory P300 and CNV evoked potentials derived from single-trial recordings. Physiological Measurement, 2007, 28, 745-771.	1.2	22
11	Parametric and Nonparametric EEG Analysis for the Evaluation of EEG Activity in Young Children with Controlled Epilepsy. Computational Intelligence and Neuroscience, 2008, 2008, 1-15.	1.1	15
12	Real-Time Parametric Modeling and Estimation of Urban Traffic Junctions. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4579-4589.	4.7	11
13	Dual Adaptive Control for Trajectory Tracking of Mobile Robots. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	10
14	Computed tomography diagnostic reference levels for adult brain, chest and abdominal examinations: A systematic review. Radiography, 2021, 27, 673-681.	1.1	10
15	Swarm Robotics for Object Transportation. , 2018, , .		8
16	Multilayer Perceptron Adaptive Dynamic Control for Trajectory Tracking of Mobile Robots. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	7
17	Double Exponential Smoothing for predictive vision based target tracking of a wheeled mobile robot. , 2013, , .		7
18	Line tracking algorithm for scribbled drawings. , 2008, , .		6

#	Article	IF	Citations
19	A decision support framework for the discrimination of children with controlled epilepsy based on EEG analysis. Journal of NeuroEngineering and Rehabilitation, 2010, 7, 24.	2.4	6
20	Waveform Analysis of Non-Oscillatory Independent Components in Single-Trial Auditory Event-Related Activity in Healthy Subjects and Alzheimers Disease Patients. Current Alzheimer Research, 2010, 7, 334-347.	0.7	5
21	Unscented transform-based dual adaptive control of nonlinear MIMO systems. , 2013, , .		5
22	Dual adaptive extremum control of Hammerstein systems. International Journal of Control, 2015, 88, 1271-1286.	1.2	5
23	PocketQube Pico-Satellite Attitude Control: Implementation and Testing. IEEE Journal on Miniaturization for Air and Space Systems, 2020, 1, 90-102.	1.9	5
24	Functional adaptive dual control of a class of nonlinear MIMO systems. Transactions of the Institute of Measurement and Control, 2015, 37, 1009-1025.	1.1	4
25	Online state and parameter estimation for a 4-arm traffic junction. , 2017, , .		4
26	Multilayer Perceptron Adaptive Dynamic Control of Mobile Robots: Experimental Validation. , 2008, , 165-174.		4
27	Order Estimation of Computational Models for Dynamic Systems with Application to Biomedical Signals. , 2009, , .		3
28	Integrated waste management as a climate change stabilisation wedge for the Maltese islands. Waste Management and Research, 2013, 31, 73-79.	2.2	3
29	Semi-supervised segmentation of EEG data in BCI systems. , 2015, 2015, 7845-8.		3
30	Joint state and parameter estimation for a macro traffic junction model. , 2016, , .		3
31	Review and feasibility of active attitude control and detumbling for the UoMBSat-1 PocketQube pico-satellite. , 2017, , .		3
32	Neuro-adaptive dynamic control for mobile robots: Experimental validation. , 2008, , .		2
33	Dual adaptive control in continuous-time. , 2015, , .		2
34	Modelling and temperature control of a wine fermentation process with solar cooling. , 2016, , .		2
35	Self-tuning model predictive control for signalized traffic junctions. , 2021, , .		2
36	Discrete-Time Adaptive Control of Nonlinear Systems Using Neural Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1998, 31, 121-126.	0.4	1

#	Article	IF	Citations
37	Multilayer perceptron dual adaptive control for mobile robots. , 2007, , .		1
38	ARMA modeling for the diagnosis of controlled epileptic activity in young children. , 2008, , .		1
39	Segmentation and Labelling of EEG for Brain Computer Interfaces. Lecture Notes in Computer Science, 2015, , 288-299.	1.0	1
40	Online state and multidimensional parameter estimation for a macroscopic model of a traffic junction. , 2017, , .		1
41	Simultaneous Traffic Flow and Macro Model Estimation for Signalized Junctions with Multiple Input Lanes. , 2017, , .		1
42	A Training Simulator for Teleoperated Robots Deployed at CERN. , 2018, , .		1
43	A Training Simulator for Teleoperated Robots Deployed at CERN. , 2018, , .		1
44	Mobile Assistive Robot in an Inclusive Space: An Introduction to the MARIS Project. Lecture Notes in Computer Science, 2019, , 538-547.	1.0	1
45	Bounding Box Matching: A Sparse Object-centric Correspondence Method for Stereo Vision. , 2022, , .		1
46	Towards the Quantification of Robot-inclusiveness of a Space and the Implications on Robot Complexity. , 2022, , .		1
47	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
48	Dual-Adaptive Computer Control of a Mobile Robot Based on the Unscented Transform. , 2009, , .		0
49	Dual adaptive extremum control of a Hammerstein system. , 2014, , .		0
50	Phase Variants of the Common Spatial Patterns Method. Neuromethods, 2014, , 249-265.	0.2	0
51	The 25th Mediterranean Conference on Control and Automation [Conference Reports]. IEEE Control Systems, 2017, 37, 94-95.	1.0	0
52	Stability Analysis of a Non-Linear PWM-Controlled Buck Converter with LC Input Filter. , 2021, , .		0
53	Switching Multiple Models for the Segmentation of Sleep EEG Data. , 2012, , .		0
54	Real-time multiple model joint estimation for an urban traffic junction subject to jump dynamics. IFAC-PapersOnLine, 2020, 53, 14984-14989.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Image Binarisation using the Extended Kalman Filter. , 2007, , 153-162.		0