

Iven M Y Mareels

List of Publications by Year in descending order

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342
papers

8,898
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76326

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351
all docs

351
docs citations

351
times ranked

5482
citing authors

#	ARTICLE	IF	CITATIONS
1	Weak Monotonicity With Trend Analysis for Unsupervised Feature Evaluation. IEEE Transactions on Cybernetics, 2023, 53, 6883-6895.	9.5	2
2	Robustness of Vibrational Control in the Presence of Additive Disturbances. IEEE Transactions on Automatic Control, 2022, 67, 3112-3119.	5.7	1
3	Evaluating Rehabilitation Progress Using Motion Features Identified by Machine Learning. IEEE Transactions on Biomedical Engineering, 2021, 68, 1417-1428.	4.2	12
4	Demand-Driven Automatic Control of Irrigation Channels. , 2021, , 534-543.		0
5	Invariance Principles and Observability in Switched Systems With an Application in Consensus. IEEE Transactions on Automatic Control, 2021, 66, 5128-5143.	5.7	14
6	A Generalized Matrosov Theorem for Signal Sets on Time Scales. , 2021, , .		0
7	On the benefit of overparameterization in state reconstruction. , 2021, , .		3
8	On the Benefits of Demand Flexibility in the Last Mile of the Grid. , 2021, , .		1
9	Detectability and Uniform Global Asymptotic Stability in Switched Nonlinear Time-Varying Systems. IEEE Transactions on Automatic Control, 2020, 65, 2123-2138.	5.7	8
10	Controlling DC microgrids in communities, buildings and data centers. IET Smart Grid, 2020, 3, 376-384.	2.2	7
11	Stabilising influence of a synchronous condenser in low inertia networks. IET Generation, Transmission and Distribution, 2020, 14, 3582-3593.	2.5	20
12	A Probabilistic Reverse Power Flows Scenario Analysis Framework. IEEE Open Access Journal of Power and Energy, 2020, 7, 524-532.	3.4	1
13	Integral sliding mode control design for systems with fast sensor dynamics. Automatica, 2020, 119, 109093.	5.0	17
14	Extremum Seeking Control With Sporadic Packet Transmission for Networked Control Systems. IEEE Transactions on Control of Network Systems, 2020, 7, 758-769.	3.7	4
15	Industry engagement with control research: Perspective and messages. Annual Reviews in Control, 2020, 49, 1-14.	7.9	47
16	Reinforcement learning for adaptive optimal control of continuous-time linear periodic systems. Automatica, 2020, 118, 109035.	5.0	34
17	Stability and Robustness Analysis of Switched Vibrational Control. , 2020, , .		0
18	Stability and bifurcations in low inertia PV rich power networks. IET Generation, Transmission and Distribution, 2020, 14, 6122-6132.	2.5	2

#	ARTICLE	IF	CITATIONS
19	A Quantitative Risk Framework for DER-rich Power System Planning and Decision Making. IFAC-PapersOnLine, 2020, 53, 13036-13041.	0.9	1
20	Microgrid Design. , 2019, , .		1
21	Policy Options to Regulate PV in Low Voltage Grids-Australian Case with International Implications. Technology and Economics of Smart Grids and Sustainable Energy, 2019, 4, 1.	2.6	3
22	Temporal Model of the Drivers of Household PV Purchase in Australia. Technology and Economics of Smart Grids and Sustainable Energy, 2019, 4, 1.	2.6	1
23	New Control Design for Switched Linear Time-Invariant Systems under Arbitrary Switching. , 2019, , .		0
24	Reinforcement Learning for Adaptive Periodic Linear Quadratic Control. , 2019, , .		1
25	On Model-guided Neural Networks for System Identification. , 2019, , .		4
26	Linear system securityâ€™Detection and correction of adversarial sensor attacks in the noise-free case. Automatica, 2019, 101, 53-59.	5.0	27
27	Upper Limb Deseigning Using Underactuated End-Effector-Based Backdrivable Manipulanda. IEEE Robotics and Automation Letters, 2018, 3, 2116-2122.	5.1	9
28	Stability and active power sharing in droop controlled inverter interfaced microgrids: Effect of clock mismatches. Automatica, 2018, 93, 469-475.	5.0	7
29	Decentralized PID Control Design for Magnetic Levitation Systems Using Extremum Seeking. IEEE Access, 2018, 6, 3059-3067.	4.2	39
30	On robustness analysis of linear vibrational control systems. Automatica, 2018, 87, 202-209.	5.0	19
31	Dual-loop iterative optimal control for the finite horizon LQR problem with unknown dynamics. Systems and Control Letters, 2018, 111, 49-57.	2.3	21
32	Feature Learning in Assistive Rehabilitation Robotic Systems. , 2018, 2018, 2511-2514.		3
33	Fixed-Point Algorithm for Identification of Line Impedances in Low Voltage Power Networks Based on Smart Meter Data. , 2018, , .		1
34	Overcoming the Impact of Clock Drifts on Power Sharing for Microgrids. , 2018, , .		1
35	Time Scale Framework for Hybrid Systems. , 2018, , .		2
36	Sensor attack correction for linear systems with known inputs. IFAC-PapersOnLine, 2018, 51, 206-211.	0.9	4

#	ARTICLE	IF	CITATIONS
37	Iterative Learning Control for Linear Time-varying Systems with Input and Output Constraints. , 2018, , .		3
38	Model-Guided Data-Driven Decentralized Control for Magnetic Levitation Systems. IEEE Access, 2018, 6, 43546-43562.	4.2	10
39	Robustness of Nonlinear Vibrational Control Systems based on Sampling Lyapunov Method. , 2018, , .		2
40	On Feedback-Based Iterative Learning Control for Nonlinear Systems Without Global Lipschitz Continuity. , 2018, , .		1
41	Consensus only control in DC microgrids. , 2018, , .		1
42	Input and Output Constraints in Iterative Learning Control Design for Robotic Manipulators. Unmanned Systems, 2018, 06, 197-208.	3.6	5
43	Compatible Formation Set for UAVs with Visual Sensing Constraint. , 2018, , .		13
44	Feedback-Based Iterative Learning Design and Synthesis With Output Constraints for Robotic Manipulators. , 2018, 2, 513-518.		20
45	A Novel Delay-Based GFSK Demodulator in 65 nm CMOS for Low Power Biomedical Applications. International Journal of Interdisciplinary Telecommunications and Networking, 2018, 10, 21-32.	0.3	0
46	Power Sharing in Angle Droop Controlled Microgrids. IEEE Transactions on Power Systems, 2017, 32, 4743-4751.	6.5	45
47	Analyzing the Stability of Switched Systems Using Common Zeroing-Output Systems. IEEE Transactions on Automatic Control, 2017, 62, 5138-5153.	5.7	25
48	Modeling of Endpoint Feedback Learning Implemented Through Point-to-Point Learning Control. IEEE Transactions on Control Systems Technology, 2017, 25, 1576-1585.	5.2	6
49	Probing to Observe Neural Dynamics Investigated with Networked Kuramoto Oscillators. International Journal of Neural Systems, 2017, 27, 1650038.	5.2	10
50	Traffic Reduction in Packet Switched Networked Control Systems Using Deadband Error Modulation. IEEE Transactions on Automatic Control, 2017, 62, 4038-4043.	5.7	10
51	An Algorithm to Find Common Zeroing-Output Systems of Arbitrarily Switched Linear Time-Invariant Systems. IFAC-PapersOnLine, 2017, 50, 14867-14872.	0.9	1
52	Design of feedback gain in feedback-based iterative learning control. , 2017, , .		0
53	On non-local vibrational stabilization of nonlinear systems. , 2017, , .		2
54	Centralized control implementation using distributed observer for Meglev systems. , 2017, , .		2

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55	On V-shaped flight formation of bird flocks with visual communication constraints. , 2017, , .		5
56	Assessment of voltage stability risks under stochastic net loads using scalable SVM classification. , 2017, , .		1
57	A new condition for output-persistent-excitation of switched nonlinear time-varying systems. , 2017, , .		2
58	EMU: A transparent 3D robotic manipulandum for upper-limb rehabilitation. , 2017, 2017, 771-776.		21
59	Siting and sizing distributed storage for microgrid applications. , 2017, , .		3
60	Towards a smart automated surface irrigation management in rice-growing areas in Italy. Journal of Agricultural Engineering, 2017, 48, 42-48.	1.5	15
61	DESIGN OF DOUBLE-SIDED LINEAR PERMANENT MAGNET EDDY CURRENT BRAKING SYSTEM. Progress in Electromagnetics Research M, 2017, 61, 61-73.	0.9	2
62	Generator induced operational limits in a PV rich network: The static case. , 2016, , .		0
63	Calibration free upper limb joint motion estimation algorithm with wearable sensors. , 2016, , .		1
64	Quantifying task similarity for skill generalisation in the context of human motor control. , 2016, , .		2
65	Model predictive motion control of autonomous forklift vehicles with dynamics balance constraint. , 2016, , .		8
66	On robustness analysis of a vibrational control system: Input-to-state practical stability. , 2016, , .		3
67	Learning control in robot-assisted rehabilitation of motor skills â€“ a review. Journal of Control and Decision, 2016, 3, 19-43.	1.6	32
68	Improving the time efficiency of the Fourier synthesis method for slice selection in magnetic resonance imaging. Physica Medica, 2016, 32, 94-103.	0.7	0
69	A Market Mechanism for Electric Vehicle Charging Under Network Constraints. IEEE Transactions on Smart Grid, 2016, 7, 827-836.	9.0	66
70	Model-based predictive sampled-data control and its robustness. , 2015, , .		1
71	Personalized Public Transportation: A Mobility Model and its Application to Melbourne. IEEE Intelligent Transportation Systems Magazine, 2015, 7, 37-48.	3.8	6
72	Effects of robotic exoskeleton dynamics on joint recruitment in a neurorehabilitation context. , 2015, , .		5

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73	PV generation and demand mismatch: Evaluating the potential of residential storage. , 2015, , .		32
74	Local measurements and virtual pricing signals for residential demand side management. Sustainable Energy, Grids and Networks, 2015, 4, 62-71.	3.9	10
75	Fourier Tract Sampling (FouTS): A framework for improved inference of white matter tracts from diffusion MRI by explicitly modelling tract volume. NeuroImage, 2015, 120, 412-427.	4.2	6
76	Solving the Bloch Equation With Periodic Excitation Using Harmonic Balancing: Application to Rabi Modulated Excitation. IEEE Transactions on Medical Imaging, 2015, 34, 2118-2130.	8.9	3
77	Comment on "A Comparative Testing Study of Commercial 18650-Format Lithium-Ion Battery Cells" [1]. Electrochem. Soc. [1], 162, A1592 (2015)]. Journal of the Electrochemical Society, 2015, 162, Y11-Y12.	2.9	4
78	A Comparative Testing Study of Commercial 18650-Format Lithium-Ion Battery Cells. Journal of the Electrochemical Society, 2015, 162, A1592-A1600.	2.9	84
79	Power sharing correction in angle droop controlled inverter interfaced microgrids. , 2015, , .		7
80	Grid Futures. , 2015, , .		0
81	Effect of sensory experience on motor learning strategy. Journal of Neurophysiology, 2015, 113, 1077-1084.	1.8	5
82	Optimal Charging of Electric Vehicles Taking Distribution Network Constraints Into Account. IEEE Transactions on Power Systems, 2015, 30, 365-375.	6.5	181
83	The importance of spatial distribution when analysing the impact of electric vehicles on voltage stability in distribution networks. Energy Systems, 2015, 6, 63-84.	3.0	32
84	On the effect of component mismatches in inverter interfaced microgrids. , 2014, , .		2
85	On a new uniform dynamic coding algorithm for model-based networked control systems. , 2014, , .		0
86	On experimentally validated iterative learning control in human motor systems. , 2014, , .		0
87	Personalised Public Transportation: A new mobility model for urban and suburban transportation. , 2014, , .		9
88	Modelling extracellular electrical stimulation: IV. Effect of the cellular composition of neural tissue on its spatio-temporal filtering properties. Journal of Neural Engineering, 2014, 11, 065005.	3.5	23
89	Modelling extracellular electrical stimulation: III. Derivation and interpretation of neural tissue equations. Journal of Neural Engineering, 2014, 11, 065004.	3.5	27
90	The Dynamics of the Epileptic Brain Reveal Long-Memory Processes. Frontiers in Neurology, 2014, 5, 217.	2.4	48

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91	On making energy demand and network constraints compatible in the last mile of the power grid. Annual Reviews in Control, 2014, 38, 243-258.	7.9	10
92	On sign-definite pairs of functions. , 2014, , .		4
93	A distributed electric vehicle charging management algorithm using only local measurements. , 2014, , .		7
94	Observability limits for networked oscillators. Automatica, 2014, 50, 1087-1099.	5.0	8
95	Rabi resonance in spin systems: Theory and experiment. Journal of Magnetic Resonance, 2014, 242, 136-142.	2.1	11
96	On the finite time performance of model predictive control. Systems and Control Letters, 2014, 70, 60-68.	2.3	6
97	Battery Management using Secondary Loads: A Novel Integrated Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3924-3929.	0.4	4
98	Limits of Observability in Large-Scale Linear Networked Clocks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1164-1169.	0.4	0
99	Analysis of Constraints for Optimal Electric Vehicle Charging. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7879-7885.	0.4	2
100	Electric Vehicle Charging: A Noncooperative Game Using Local Measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5426-5431.	0.4	5
101	Electric vehicle charging and grid constraints: Comparing distributed and centralized approaches. , 2013, , .		33
102	Extremum Seeking for Constrained Inputs. IEEE Transactions on Automatic Control, 2013, 58, 2405-2410.	5.7	41
103	3D model-based approach to identification of laminar structures of the cerebral cortex: Application to Brodmann areas 17 and 18. Biomedical Signal Processing and Control, 2013, 8, 845-857.	5.7	0
104	Modeling and validation of an unbalanced LV network using Smart Meter and SCADA inputs. , 2013, , .		12
105	Event Triggered Adaptive Differential Modulation: A New Method for Traffic Reduction in Networked Control Systems. IEEE Transactions on Automatic Control, 2013, 58, 1696-1706.	5.7	60
106	Modeling reversible self-discharge in series-connected Li-ion battery cells. , 2013, , .		5
107	Point-to-point learning in human motor systems. , 2013, , .		2
108	On on-line sampled-data optimal learning for dynamic systems with uncertainties. , 2013, , .		3

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109	Information infrastructures for on-line measurement of non-productive greenhouse gas emissions in manufacturing: case of the brewing industry. International Journal of Production Research, 2012, 50, 6553-6573.	7.5	11
110	Modelling and control for an EMS system with two inputs. International Journal of Modelling, Identification and Control, 2012, 16, 190.	0.2	2
111	Probability Steiner trees and maximum parsimony in phylogenetic analysis. Journal of Mathematical Biology, 2012, 64, 1225-1251.	1.9	3
112	Real-Time Optimal Control of River Basin Networks. , 2012, , 403-421.		1
113	Modeling Individual Human Motor Behavior Through Model Reference Iterative Learning Control. IEEE Transactions on Biomedical Engineering, 2012, 59, 1892-1901.	4.2	18
114	Information Infrastructures for Utilities Management in the Brewing Industry. Lecture Notes in Computer Science, 2012, , 73-77.	1.3	3
115	A subthreshold down converter optimized for super-low-power applications in MICS Band. , 2011, , .		8
116	A prototype 64-electrode stimulator in 65 nm CMOS process towards a high density epi-retinal prosthesis. , 2011, 2011, 6729-32.		17
117	Feedback and Control for Everyone (Albertos, P. and Mareels, I.; 2010) [Bookshelf]. IEEE Control Systems, 2011, 31, 93-95.	0.8	1
118	The Bloch Equation Revisited through Averaging under Adiabatic Passages. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9650-9655.	0.4	1
119	Human Motor Learning Through Iterative Model Reference Adaptive Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 2883-2888.	0.4	4
120	Autonomous Performance Monitoring of an On-Line Real-Time Decision Support System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 13080-13085.	0.4	4
121	Real-time Optimal Control of River Basin Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11459-11464.	0.4	7
122	Bayesian model evidence for order selection and correlation testing. , 2011, 2011, 5048-51.		0
123	Model predictive control of Murray-darling basin networks. , 2011, , .		1
124	Maximum Parsimony, Substitution Model, and Probability Phylogenetic Trees. Journal of Computational Biology, 2011, 18, 67-80.	1.6	4
125	Automation of On-Farm Irrigation: Horticultural Case Study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 256-261.	0.4	4
126	On Modeling and Control For A Maglev System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 783-788.	0.4	1

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127	On smart grid technology to support a high uptake of electric vehicles “ preliminary observations. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 19-23.	0.4	2
128	The perturbation response and power spectrum of a mean-field of IF neurons with inhomogeneous inputs. BMC Neuroscience, 2010, 11, .	1.9	0
129	Patient-specific bivariate-synchrony-based seizure prediction for short prediction horizons. Epilepsy Research, 2010, 91, 214-231.	1.6	64
130	Increased Baseline Airway Resistance And Smooth Muscle Content In Sheep Exposed To Repeated Challenges Of House Dust Mite. , 2010, , .		0
131	The Control Subsystem. , 2010, , 203-224.		0
132	Modelling of human motor control in an unstable task through operational space formulation. , 2010, , .		1
133	On the modelling complexity and utility of an EMS system. , 2010, , .		7
134	A super low power MICS band receiver front-end down converter on 65 nm CMOS. , 2010, , .		3
135	Feedback and Control for Everyone. , 2010, , .		35
136	A ultra low power, wide input range MICS band channel selection filter on 65 nm CMOS. , 2010, , .		1
137	Nonlinear Energy-Based Control Method for Aircraft Automatic Landing Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 871-884.	5.2	29
138	A Flexible Electrode Driver Using 65 nm CMOS Process for 1024-Electrode Epi-Retinal Prosthesis. , 2010, , .		4
139	A GFSK demodulator for ultra-low power MICS band Receiver. , 2010, , .		1
140	Illustrating Feedback and Control. , 2010, , 53-84.		0
141	Control Benefits. , 2010, , 277-287.		0
142	Control Subsystem Components. , 2010, , 227-245.		0
143	Observability issues in networked clocks with applications to epilepsy. , 2009, , .		3
144	Advantages of smooth trajectory tracking as crane anti-swing schemes. , 2009, , .		2

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145	An LO power distribution network design for integrated 60-GHz transceiver on chip. , 2009, , .		1
146	A fully flexible stimulator using 65 nm cmos process for 1024-electrode epi-retinal prosthesis. , 2009, 2009, 1643-6.		11
147	IDENTIFYING STEINER MINIMAL TREES ON FOUR POINTS IN SPACE. Discrete Mathematics, Algorithms and Applications, 2009, 01, 401-411.	0.6	1
148	Reconstruction of Probability Phylogenetic Trees with Substitution Models. , 2009, , .		0
149	A paradigm for epileptic seizure prediction using a coupled oscillator model of the brain. , 2009, 2009, 6428-31.		11
150	COMPUTING STEINER POINTS AND PROBABILITY STEINER POINTS IN $\hat{\alpha}_1$ AND $\hat{\alpha}_2$ METRIC SPACES. Discrete Mathematics, Algorithms and Applications, 2009, 01, 541-554.	0.6	1
151	Analysis of the power spectra, autocorrelation function and EEG time-series signal of a network of leaky integrate-and-fire neurons with conductance-based synapses. BMC Neuroscience, 2009, 10, .	1.9	0
152	On extremum seeking in bioprocesses with multivalued cost functions. Biotechnology Progress, 2009, 25, 683-689.	2.6	34
153	Seizure Detection Using Seizure Probability Estimation: Comparison of Features Used to Detect Seizures. Annals of Biomedical Engineering, 2009, 37, 2129-2145.	2.5	46
154	Robustness analysis of leader-follower consensus. Journal of Systems Science and Complexity, 2009, 22, 186-206.	2.8	43
155	Revisiting excitation pattern design for magnetic resonance imaging through optimisation of the signal contrast efficiency. Biomedical Signal Processing and Control, 2009, 4, 317-328.	5.7	4
156	On global extremum seeking in the presence of local extrema. Automatica, 2009, 45, 245-251.	5.0	161
157	A super low power MICS band receiver in 65 nm CMOS for high resolution epi-retinal prosthesis. , 2009, , .		6
158	A software tool to generate simulated white matter structures for the assessment of fibre-tracking algorithms. NeuroImage, 2009, 47, 1288-1300.	4.2	75
159	Novel insight into magnetic resonance through a spherical coordinate framework for the Bloch equation. , 2009, , .		3
160	The power of spectral density analysis for mapping endogenous BOLD signal fluctuations. Human Brain Mapping, 2008, 29, 778-790.	3.6	139
161	On the choice of dither in extremum seeking systems: A case study. Automatica, 2008, 44, 1446-1450.	5.0	148
162	Decentralized control design of interconnected chains of integrators: A case study. Automatica, 2008, 44, 2171-2178.	5.0	18

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163	Stability of a Trajectory-Based Control Law for an Unknown Nonlinear Non-Minimum Phase System. Asian Journal of Control, 2008, 3, 45-49.	3.0	1
164	Non-linear stable inversion-based output tracking control for a spherical inverted pendulum. International Journal of Control, 2008, 81, 116-133.	1.9	39
165	A 40 GHz Power Efficient Static CML Frequency Divider in 0.13- μ m CMOS Technology for High Speed Millimeter-Wave Wireless Systems. , 2008, , .		17
166	Nonlinear estimation of the BOLD signal. NeuroImage, 2008, 40, 504-514.	4.2	43
167	Reconstruction of phylogenies by mapping bio-sequences into a probability vector space. Journal of Biotechnology, 2008, 136, S73.	3.8	0
168	A 60-GHz direct-conversion transmitter in 130-nm CMOS. , 2008, , .		2
169	Analysis and Design of a 50-GHz 2:1 CMOS CML Static Frequency Divider Based on LC-tank. , 2008, , .		10
170	Correlation analysis of seizure detection features. , 2008, , .		8
171	Non-local stabilization of a spherical inverted pendulum. International Journal of Control, 2008, 81, 1035-1053.	1.9	24
172	50- μ m static frequency divider in 130- μ m CMOS. Electronics Letters, 2008, 44, 285.	1.0	2
173	A 60-GHz power amplifier and transmit/receive switch for integrated CMOS wireless transceivers. , 2008, , .		2
174	Magnetic resonance described in the excitation dependent rotating frame of reference. , 2008, 2008, 5769-73.		5
175	Robustness analysis of leader-follower consensus. , 2008, , .		0
176	Revisiting the Bloch equation through averaging. , 2008, , .		6
177	Voxelwise regularisation of high angular resolution diffusion imaging data. , 2008, 2008, 90-3.		0
178	A 60-GHz transceiver on CMOS. , 2008, , .		14
179	Optimal Power Analysis for Network Lifetime Balance in Hierarchy Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 4168-4173.	0.4	1
180	A Systems Engineering Approach to Viticulture On-Farm Irrigation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 9569-9574.	0.4	22

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181	A Complete Strategy for Patient Un-specific Detection of Epileptic Seizures Using Crude Estimations of Entropy. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6492-5.	0.5	1
182	ON AUTOMATIC SEEKING OF OPTIMAL STEADY-STATES IN BIOCHEMICAL PROCESSES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 733-738.	0.4	0
183	A NOTE ON THE CONTROL OF A SPHERICAL INVERTED PENDULUM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 1161-1166.	0.4	3
184	Way Point Tracking of a Spherical Inverted Pendulum. , 2007, , .		9
185	Optimal power analysis for network lifetime balance in wireless sensor networks. , 2007, , .		5
186	Point-wise Extremum Seeking Control Scheme Under Repeatable Control Environment. , 2007, , .		0
187	Issues in the Implementation of a 60GHz Transceiver on CMOS. , 2007, , .		13
188	Control of Large-Scale Irrigation Networks. Proceedings of the IEEE, 2007, 95, 75-91.	21.3	220
189	Complex Stability Radius for Automatic Design of Gain-Scheduled Control Part I: Theoretical Developm. Studies in Computational Intelligence, 2007, , 241-249.	0.9	0
190	Complex Stability Radius for Automatic Design of Gain-Scheduled Control Part II: Example on Autopilot Design. Studies in Computational Intelligence, 2007, , 251-258.	0.9	0
191	On global extremum seeking in the presence of local extrema. , 2006, , .		26
192	On Stability Properties of A Simple Extremum Seeking Scheme. , 2006, , .		2
193	CHRONIC AIRWAY DISEASE: DETERIORATING PULMONARY FUNCTION IN SHEEP ASSOCIATED WITH REPEATED CHALLENGES OF HOUSE DUST MITE. Experimental Lung Research, 2006, 32, 321-330.	1.2	23
194	Adaptive repetitive learning control of robotic manipulators without the requirement for initial repositioning. , 2006, 22, 563-568.		146
195	Enhanced detection-guided NLMS estimation of sparse FIR-modeled signal channels. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 1783-1791.	0.1	19
196	On non-local stability properties of extremum seeking control. Automatica, 2006, 42, 889-903.	5.0	501
197	Stability and motor adaptation in human arm movements. Biological Cybernetics, 2006, 94, 20-32.	1.3	118
198	Patient Un-Specific Detection of Epileptic Seizures Through Changes in Variance. , 2006, 2006, 3747-50.		10

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199	On the Choice of Dither in Extremum Seeking Systems: a Case Study. , 2006, , .		23
200	Patient Un-Specific Detection of Epileptic Seizures Through Changes in Variance. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	1
201	STABILITY RESULTS FOR NETWORKED CONTROL SYSTEMS SUBJECT TO PACKET DROPOUTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 73-78.	0.4	4
202	MODELLING AND STABILISATION OF A SPHERICAL INVERTED PENDULUM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1130-1135.	0.4	9
203	SYSTEMS ENGINEERING FOR IRRIGATION SYSTEMS: SUCCESSES AND CHALLENGES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1-16.	0.4	47
204	Dimension Analysis for Least-Mean-Square Algorithms. , 2005, , 145-173.		0
205	A dual purpose principal and minor component flow. Systems and Control Letters, 2005, 54, 759-769.	2.3	22
206	Systems engineering for irrigation systems: Successes and challenges. Annual Reviews in Control, 2005, 29, 191-204.	7.9	112
207	A Tracking Approach to Parcellation of the Cerebral Cortex. Lecture Notes in Computer Science, 2005, 8, 294-301.	1.3	1
208	Topological Feedback Entropy and Nonlinear Stabilization. IEEE Transactions on Automatic Control, 2004, 49, 1585-1597.	5.7	320
209	System identification and controller design for dual actuated hard disk drive. Control Engineering Practice, 2004, 12, 665-676.	5.5	35
210	Self-tuning control for polynomial systems using a receding horizon observer and control strategy. International Journal of Adaptive Control and Signal Processing, 2004, 18, 369-380.	4.1	2
211	Two scale high gain adaptive control. International Journal of Adaptive Control and Signal Processing, 2004, 18, 393-402.	4.1	3
212	A rigorous solution of the infinite time interval LQ problem with constant state tracking. Systems and Control Letters, 2004, 52, 289-296.	2.3	27
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