Iven M Y Mareels

List of Publications by Year
in descending order

342 papers	8,898 citations	76326 40 h-index	54911 84 g-index
351 all docs	351 docs citations	351 times ranked	5482 citing authors

#	Article	IF	Citations
1	Putting energy back in control. IEEE Control Systems, 2001, 21, 18-33.	0.8	663
2	An observer looks at synchronization. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 882-890.	0.1	603
3	A Lyapunov formulation of the nonlinear small-gain theorem for interconnected ISS systems. Automatica, 1996, 32, 1211-1215.	5.0	534
4	On non-local stability properties of extremum seeking control. Automatica, 2006, 42, 889-903.	5.0	501
5	Topological Feedback Entropy and Nonlinear Stabilization. IEEE Transactions on Automatic Control, 2004, 49, 1585-1597.	5.7	320
6	A small-gain control method for nonlinear cascaded systems with dynamic uncertainties. IEEE Transactions on Automatic Control, 1997, 42, 292-308.	5.7	285
7	Stability theory for differential/algebraic systems with application to power systems. IEEE Transactions on Circuits and Systems, 1990, 37, 1416-1423.	0.9	244
8	Control of Large-Scale Irrigation Networks. Proceedings of the IEEE, 2007, 95, 75-91.	21.3	220
9	A Unifying Framework for Global Regulation Via Nonlinear Output Feedback: From ISS to iISS. IEEE Transactions on Automatic Control, 2004, 49, 549-562.	5.7	198
10	Optimal Charging of Electric Vehicles Taking Distribution Network Constraints Into Account. IEEE Transactions on Power Systems, 2015, 30, 365-375.	6.5	181
11	An efficient brute-force solution to the network reconfiguration problem. IEEE Transactions on Power Delivery, 2000, 15, 996-1000.	4.3	168
12	On global extremum seeking in the presence of local extrema. Automatica, 2009, 45, 245-251.	5.0	161
13	On the choice of dither in extremum seeking systems: A case study. Automatica, 2008, 44, 1446-1450.	5.0	148
14	Adaptive repetitive learning control of robotic manipulators without the requirement for initial repositioning. , 2006, 22, 563-568.		146
15	The power of spectral density analysis for mapping endogenous BOLD signal fluctuations. Human Brain Mapping, 2008, 29, 778-790.	3.6	139
16	A new approach to adaptive robust control. International Journal of Adaptive Control and Signal Processing, 1993, 7, 183-211.	4.1	134
17	Stability and motor adaptation in human arm movements. Biological Cybernetics, 2006, 94, 20-32.	1.3	118
18	Systems engineering for irrigation systems: Successes and challenges. Annual Reviews in Control, 2005, 29, 191-204.	7.9	112

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19	On some key issues in the windsurfer approach to adaptive robust control. Automatica, 1995, 31, 1619-1636.	5.0	107
20	Controlling nonlinear time-varying systems via euler approximations. Automatica, 1992, 28, 681-696.	5.0	103
21	A simple selftuning controller for stably invertible systems. Systems and Control Letters, 1984, 4, 5-16.	2.3	98
22	Non-linear dynamics in adaptive control: Chaotic and periodic stabilization. Automatica, 1986, 22, 641-655.	5.0	96
23	Adaptive Systems. , 1996, , .		95
24	Indirect field-oriented control of induction motors is robustly globally stable. Automatica, 1996, 32, 1393-1402.	5.0	90
25	A Comparative Testing Study of Commercial 18650-Format Lithium-Ion Battery Cells. Journal of the Electrochemical Society, 2015, 162, A1592-A1600.	2.9	84
26	Robust nonlinear integral control. IEEE Transactions on Automatic Control, 2001, 46, 1336-1342.	5.7	80
27	LMS estimation via structural detection. IEEE Transactions on Signal Processing, 1998, 46, 2651-2663.	5.3	78
28	A software tool to generate simulated white matter structures for the assessment of fibre-tracking algorithms. NeuroImage, 2009, 47, 1288-1300.	4.2	75
29	Robust control of uncertain nonlinear systems via measurement feedback. IEEE Transactions on Automatic Control, 1999, 44, 807-812.	5.7	71
30	Excitation conditions for signed regressor least mean squares adaptation. IEEE Transactions on Circuits and Systems, 1988, 35, 613-624.	0.9	67
31	A Market Mechanism for Electric Vehicle Charging Under Network Constraints. IEEE Transactions on Smart Grid, 2016, 7, 827-836.	9.0	66
32	Patient-specific bivariate-synchrony-based seizure prediction for short prediction horizons. Epilepsy Research, 2010, 91, 214-231.	1.6	64
33	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
34	Stability theory for adaptive systems: Method of averaging and persistency of excitation. IEEE Transactions on Automatic Control, 1987, 32, 26-34.	5.7	50
35	The Dynamics of the Epileptic Brain Reveal Long-Memory Processes. Frontiers in Neurology, 2014, 5, 217.	2.4	48
36	SYSTEMS ENGINEERING FOR IRRIGATION SYSTEMS: SUCCESSES AND CHALLENGES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1-16.	0.4	47

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37	Industry engagement with control research: Perspective and messages. Annual Reviews in Control, 2020, 49, 1-14.	7.9	47
38	Seizure Detection Using Seizure Probability Estimation: Comparison of Features Used to Detect Seizures. Annals of Biomedical Engineering, 2009, 37, 2129-2145.	2.5	46
39	Power Sharing in Angle Droop Controlled Microgrids. IEEE Transactions on Power Systems, 2017, 32, 4743-4751.	6.5	45
40	Nonlinear estimation of the BOLD signal. NeuroImage, 2008, 40, 504-514.	4.2	43
41	Robustness analysis of leader-follower consensus. Journal of Systems Science and Complexity, 2009, 22, 186-206.	2.8	43
42	Extremum Seeking for Constrained Inputs. IEEE Transactions on Automatic Control, 2013, 58, 2405-2410.	5.7	41
43	How exciting can a signal really be?. Systems and Control Letters, 1987, 8, 197-204.	2.3	40
44	Persistency of excitation criteria for linear, multivariable, time-varying systems. Mathematics of Control, Signals, and Systems, 1988, 1, 203-226.	2.3	39
45	Dead beat controllability of polynomial systems: symbolic computation approaches. IEEE Transactions on Automatic Control, 1998, 43, 162-175.	5.7	39
46	Non-linear stable inversion-based output tracking control for a spherical inverted pendulum. International Journal of Control, 2008, 81, 116-133.	1.9	39
47	Decentralized PID Control Design for Magnetic Levitation Systems Using Extremum Seeking. IEEE Access, 2018, 6, 3059-3067.	4.2	39
48	Finite sample properties of linear model identification. IEEE Transactions on Automatic Control, 1999, 44, 1370-1383.	5.7	37
49	Bifurcation effects in robust adaptive control. IEEE Transactions on Circuits and Systems, 1988, 35, 835-841.	0.9	35
50	On Adaptive Robust Control and Control-Relevant System Identification. , 1992, , .		35
51	System identification and controller design for dual actuated hard disk drive. Control Engineering Practice, 2004, 12, 665-676.	5.5	35
52	Feedback and Control for Everyone. , 2010, , .		35
53	On extremum seeking in bioprocesses with multivalued cost functions. Biotechnology Progress, 2009, 25, 683-689.	2.6	34
54	Reinforcement learning for adaptive optimal control of continuous-time linear periodic systems. Automatica, 2020, 118, 109035.	5.0	34

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55	Electric vehicle charging and grid constraints: Comparing distributed and centralized approaches. , 2013, , .		33
56	Dead-beat control of simple Hammerstein models. IEEE Transactions on Automatic Control, 1998, 43, 1184-1188.	5.7	32
57	PV generation and demand mismatch: Evaluating the potential of residential storage. , 2015, , .		32
58	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
59	Learning control in robot-assisted rehabilitation of motor skills â€" a review. Journal of Control and Decision, 2016, 3, 19-43.	1.6	32
60	Quantifying the effects of dimension on the convergence rate of the LMS adaptive FIR estimator. IEEE Transactions on Signal Processing, 1998, 46, 2611-2615.	5.3	30
61	Nonlinear Energy-Based Control Method for Aircraft Automatic Landing Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 871-884.	5.2	29
62	Sufficiency of excitation. Systems and Control Letters, 1984, 5, 159-163.	2.3	28
63	Nonlinear averaging theorems, and the determination of parameter convergence rates in adaptive control. Systems and Control Letters, 1986, 7, 145-157.	2.3	28
64	Non-linear dynamics in adaptive control. Automatica, 1988, 24, 485-497.	5.0	28
65	Minimum phase properties for input nonaffine nonlinear systems. IEEE Transactions on Automatic Control, 1999, 44, 868-872.	5.7	27
66	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
67	Modelling extracellular electrical stimulation: III. Derivation and interpretation of neural tissue equations. Journal of Neural Engineering, 2014, 11, 065004.	3.5	27
68	Linear system securityâ€"Detection and correction of adversarial sensor attacks in the noise-free case. Automatica, 2019, 101, 53-59.	5.0	27
69	On global extremum seeking in the presence of local extrema. , 2006, , .		26
70	Analyzing the Stability of Switched Systems Using Common Zeroing-Output Systems. IEEE Transactions on Automatic Control, 2017, 62, 5138-5153.	5.7	25
71	Non-local stabilization of a spherical inverted pendulum. International Journal of Control, 2008, 81, 1035-1053.	1.9	24
72	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

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73	On the Choice of Dither in Extremum Seeking Systems: a Case Study. , 2006, , .		23
74	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
75	Stability theory for adaptive systems: Methods of averaging and persistency of excitation. , 1985, , .		22
76	Dual stage actuator control in hard disk drive - a review. , 0, , .		22
77	A dual purpose principal and minor component flow. Systems and Control Letters, 2005, 54, 759-769.	2.3	22
78	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
79	EMU: A transparent 3D robotic manipulandum for upper-limb rehabilitation. , 2017, 2017, 771-776.		21
80	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
81	Number/theoretic solutions to intercept time problems. IEEE Transactions on Information Theory, 1996, 42, 959-971.	2.4	20
82	Feedback-Based Iterative Learning Design and Synthesis With Output Constraints for Robotic Manipulators. , 2018, 2, 513-518.		20
83	Stabilising influence of a synchronous condenser in low inertia networks. IET Generation, Transmission and Distribution, 2020, 14, 3582-3593.	2.5	20
84	The principle of critical simplification in chemical kinetics. Chemical Engineering Science, 2003, 58, 4833-4842.	3.8	19
85	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
86	On robustness analysis of linear vibrational control systems. Automatica, 2018, 87, 202-209.	5.0	19
87	Energy-balancing passivity-based control. , 2000, , .		18
88	Decentralized control design of interconnected chains of integrators: A case study. Automatica, 2008, 44, 2171-2178.	5.0	18
89	Modeling Individual Human Motor Behavior Through Model Reference Iterative Learning Control. IEEE Transactions on Biomedical Engineering, 2012, 59, 1892-1901.	4.2	18
90	Stability theory of differential/algebraic models of power systems. Sadhana - Academy Proceedings in Engineering Sciences, 1993, 18, 731-747.	1.3	17

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91	Necessary conditions for stability and attractivity of continuous systems. International Journal of Control, 2003, 76, 1070-1077.	1.9	17
92	A 40 GHz Power Efficient Static CML Frequency Divider in 0.13-&#956;m CMOS Technology for High Speed Millimeter-Wave Wireless Systems. , 2008, , .		17
93	A prototype 64-electrode stimulator in 65 nm CMOS process towards a high density epi-retinal prosthesis. , 2011, 2011, 6729-32.		17
94	Integral sliding mode control design for systems with fast sensor dynamics. Automatica, 2020, 119, 109093.	5.0	17
95	Experimental and theoretical comparison of some algorithms for beamforming in single receiver adaptive arrays. IEEE Transactions on Antennas and Propagation, 1991, 39, 21-28.	5.1	16
96	Decision region approximation by polynomials or neural networks. IEEE Transactions on Information Theory, 1997, 43, 903-907.	2.4	16
97	Controlling nonlinear systems with input unmodelled dynamics. , 0, , .		15
98	Towards a smart automated surface irrigation management in rice-growing areas in Italy. Journal of Agricultural Engineering, 2017, 48, 42-48.	1.5	15
99	A novel passivity-based controller for an active magnetic bearing benchmark experiment. , 2000, , .		14
100	A 60-GHz transceiver on CMOS. , 2008, , .		14
101	Invariance Principles and Observability in Switched Systems With an Application in Consensus. IEEE Transactions on Automatic Control, 2021, 66, 5128-5143.	5.7	14
102	LS detection guided NLMS estimation of sparse systems. , 0, , .		13
103	Indirect field oriented control of induction motors is robustly globally stable. , 0, , .		13
104	Predicting stand basal area in thined stands using a dynamical model. Forest Ecology and Management, 1999, 116, 175-187.	3.2	13
105	Energy shaping revisited. , 0, , .		13
106	Issues in the Implementation of a 60GHz Transceiver on CMOS. , 2007, , .		13
107	Compatible Formation Set for UAVs with Visual Sensing Constraint. , 2018, , .		13
108	Adaptively controlling non-linear systems, using trajectory approximations. International Journal of Adaptive Control and Signal Processing, 1992, 6, 395-411.	4.1	12

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109	Modeling and validation of an unbalanced LV network using Smart Meter and SCADA inputs. , 2013, , .		12
110	Evaluating Rehabilitation Progress Using Motion Features Identified by Machine Learning. IEEE Transactions on Biomedical Engineering, 2021, 68, 1417-1428.	4.2	12
111	Asymptotic Dynamics in Adaptive Gain Control. , 1999, , 29-63.		12
112	MaxNet: Faster Flow Control Convergence. Lecture Notes in Computer Science, 2004, , 588-599.	1.3	12
113	Dynamics of an adaptive hybrid. IEEE Transactions on Circuits and Systems, 1991, 38, 1-12.	0.9	11
114	A fully flexible stimulator using 65 nm cmos process for 1024-electrode epi-retinal prosthesis. , 2009, 2009, 1643-6.		11
115	A paradigm for epileptic seizure prediction using a coupled oscillator model of the brain. , 2009, 2009, 6428-31.		11
116	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
117	Rabi resonance in spin systems: Theory and experiment. Journal of Magnetic Resonance, 2014, 242, 136-142.	2.1	11
118	Limitations of robust adaptive pole placement control. IEEE Transactions on Automatic Control, 1994, 39, 1665-1671.	5.7	10
119	Sample Complexity of Least Squares Identification of FIR Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 4664-4669.	0.4	10
120	Output deadbeat control of nonlinear discrete-time systems with one-dimensional zero dynamics: global stability conditions. IEEE Transactions on Automatic Control, 1999, 44, 1262-1266.	5.7	10
121	Controllability of structured polynomial systems. IEEE Transactions on Automatic Control, 1999, 44, 761-764.	5.7	10
122	Iterative identification and two step control design for partially unknown unstable plants. International Journal of Control, 2001, 74, 43-57.	1.9	10
123	Patient Un-Specific Detection of Epileptic Seizures Through Changes in Variance. , 2006, 2006, 3747-50.		10
124	Analysis and Design of a 50-GHz 2:1 CMOS CML Static Frequency Divider Based on LC-tank. , 2008, , .		10
125	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
126	Local measurements and virtual pricing signals for residential demand side management. Sustainable Energy, Grids and Networks, 2015, 4, 62-71.	3.9	10

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127	Probing to Observe Neural Dynamics Investigated with Networked Kuramoto Oscillators. International Journal of Neural Systems, 2017, 27, 1650038.	5.2	10
128	Traffic Reduction in Packet Switched Networked Control Systems Using Deadband Error Modulation. IEEE Transactions on Automatic Control, 2017, 62, 4038-4043.	5.7	10
129	Model-Guided Data-Driven Decentralized Control for Magnetic Levitation Systems. IEEE Access, 2018, 6, 43546-43562.	4.2	10
130	Output Feedback Global Stabilization for a Class of Nonlinear Systems with Unmodelled Dynamics. European Journal of Control, 1996, 2, 201-210.	2.6	9
131	MODELLING AND STABILISATION OF A SPHERICAL INVERTED PENDULUM. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 1130-1135.	0.4	9
132	Way Point Tracking of a Spherical Inverted Pendulum. , 2007, , .		9
133	Personalised Public Transportation: A new mobility model for urban and suburban transportation. , 2014, , .		9
134	Upper Limb Deweighting Using Underactuated End-Effector-Based Backdrivable Manipulanda. IEEE Robotics and Automation Letters, 2018, 3, 2116-2122.	5.1	9
135	Feedback data rates for nonlinear systems. , 2003, , .		9
136	On the dynamics of an equation arising in adaptive control. , 1986, , .		8
137	Online learning via congregational gradient descent. Mathematics of Control, Signals, and Systems, 1997, 10, 331-363.	2.3	8
138	Passivity-based control for flight control systems. , 1999, , .		8
139	Robust nonlinear integral control by partial-state and output feedback. , 0, , .		8
140	Sufficient conditions for the existence of an unbounded solution. Automatica, 2001, 37, 1609-1617.	5.0	8
141	Irrigation networks: a systems engineering approach. , 2003, , .		8
142	Correlation analysis of seizure detection features. , 2008, , .		8
143	A subthreshold down converter optimized for super-low-power applications in MICS Band. , 2011, , .		8
144	Observability limits for networked oscillators. Automatica, 2014, 50, 1087-1099.	5.0	8

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145	Model predictive motion control of autonomous forklift vehicles with dynamics balance constraint. , 2016, , .		8
146	Detectability and Uniform Global Asymptotic Stability in Switched Nonlinear Time-Varying Systems. IEEE Transactions on Automatic Control, 2020, 65, 2123-2138.	5.7	8
147	A Lyapunov Formulation of Nonlinear Small Gain Theorem for Interconnected Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1995, 28, 625-630.	0.4	7
148	Output stabilization of square nonlinear systems. Automatica, 1997, 33, 1571-1577.	5.0	7
149	On the modelling complexity and utility of an EMS system. , 2010, , .		7
150	Real-time Optimal Control of River Basin Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 11459-11464.	0.4	7
151	A distributed electric vehicle charging management algorithm using only local measurements. , 2014, , .		7
152	Power sharing correction in angle droop controlled inverter interfaced microgrids. , 2015, , .		7
153	Stability and active power sharing in droop controlled inverter interfaced microgrids: Effect of clock mismatches. Automatica, 2018, 93, 469-475.	5.0	7
154	Controlling DC microgrids in communities, buildings and data centers. IET Smart Grid, 2020, 3, 376-384.	2.2	7
155	Nonlinear averaging analysis of the incremental pole placement adaptive controller. Automatica, 1991, 27, 769-782.	5.0	6
156	Flight control systems using passivity-based control - Disturbance rejection and robustness analysis. , 1999, , .		6
157	Solutions to disturbance decoupling problem with constant measurement feedback for linear systems. Automatica, 2000, 36, 1717-1724.	5.0	6
158	Nonlinear energy-based control method for aircraft dynamics. , 0, , .		6
159	Universal output feedback controllers for nonlinear systems with unknown control direction. , 0, , .		6
160	Revisiting the Bloch equation through averaging. , 2008, , .		6
161	A super low power MICS band receiver in 65 nm CMOS for high resolution epi-retinal prosthesis. , 2009, , .		6
162	On the finite time performance of model predictive control. Systems and Control Letters, 2014, 70, 60-68.	2.3	6

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163	Personalized Public Transportation: A Mobility Model and its Application to Melbourne. IEEE Intelligent Transportation Systems Magazine, 2015, 7, 37-48.	3.8	6
164	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
165	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
166	Markovian framework for diabetes control. , 0, , .		6
167	Comments on "Adaptive control of linearizable systems" by S.S. Sastry and A. Isidori. IEEE Transactions on Automatic Control, 1992, 37, 698-701.	5.7	5
168	Estimation of noisy quantized Gaussian AR time-series with randomly varying observation coefficient. IEEE Transactions on Signal Processing, 1995, 43, 1285-1290.	5.3	5
169	A unifying framework for global regulation via nonlinear output feedback. , 0, , .		5
170	Optimal power analysis for network lifetime balance in wireless sensor networks. , 2007, , .		5
171	Magnetic resonance described in the excitation dependent rotating frame of reference. , 2008, 2008, 5769-73.		5
172	Modeling reversible self-discharge in series-connected Li-ion battery cells. , 2013, , .		5
173	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
174	Effects of robotic exoskeleton dynamics on joint recruitment in a neurorehabilitation context. , 2015, , .		5
175	Effect of sensory experience on motor learning strategy. Journal of Neurophysiology, 2015, 113, 1077-1084.	1.8	5
176	On V-shaped flight formation of bird flocks with visual communication constraints. , 2017, , .		5
177	Input and Output Constraints in Iterative Learning Control Design for Robotic Manipulators. Unmanned Systems, 2018, 06, 197-208.	3.6	5
178	REVISITING THE MIT RULE FOR ADAPTIVE CONTROL. , 1987, , 161-166.		5
179	Improved LMS estimation via structural detection. , 0, , .		4
180	A virtual laboratory experience based on a double tank apparatus. , 0, , .		4

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181	RECOVERING STATE TRAJECTORIES FROM OUTPUT MEASUREMENTS AND DYNAMIC MODELS: A COMPUTATIONAL COMPLEXITY POINT OF VIEW. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1079-1095.	1.7	4
182	Reduced-Complexity Estimation for Large-Scale Hidden Markov Models. IEEE Transactions on Signal Processing, 2004, 52, 1242-1249.	5.3	4
183	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
184	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
185	Automation of On-Farm Irrigation: Horticultural Case Study. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 256-261.	0.4	4
186	A Flexible Electrode Driver Using 65 nm CMOS Process for 1024-Electrode Epi-Retinal Prosthesis. , 2010, , .		4
187	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
188	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
189	Maximum Parsimony, Substitution Model, and Probability Phylogenetic Trees. Journal of Computational Biology, 2011, 18, 67-80.	1.6	4
190	On sign-definite pairs of functions. , 2014, , .		4
191	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
192	Comment on â€œA Comparative Testing Study of Commercial 18650-Format Lithium-Ion Battery Cellsâ€ [<i>J. Electrochem. Soc.</i>, 162, A1592 (2015)]. Journal of the Electrochemical Society, 2015, 162, Y11-Y12.	2.9	4
193	Sensor attack correction for linear systems with known inputs. IFAC-PapersOnLine, 2018, 51, 206-211.	0.9	4
194	On Model-guided Neural Networks for System Identification. , 2019, , .		4
195	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
196	On Stability Radii of Slowly Time-Varying Systems. Systems and Control: Foundations and Applications, 2001, , 55-75.	0.3	4
197	Linear robust control of a class of nonlinear systems with dynamic perturbations. , 0, , .		3
198	Necessary and sufficient conditions for output dead beat controllability for a class of polynomial systems. , 0, , .		3

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199	Behavioural Oriented Identification in a Stochastic Framework. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 3933-3938.	0.4	3
200	Change detection in Markov-modulated time series. , 1999, , .		3
201	Overload prevention and loss minimization in managed distribution networks. IEEE Transactions on Power Delivery, 2000, 15, 972-977.	4.3	3
202	A direct adaptive control strategy for managing diabetes mellitus. , 0, , .		3
203	NONLINEAR ENERGY-BASED CONTROL METHOD FOR LANDING AUTOPILOT. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2002, 35, 169-174.	0.4	3
204	Two scale high gain adaptive control. International Journal of Adaptive Control and Signal Processing, 2004, 18, 393-402.	4.1	3
205	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
206	Observability issues in networked clocks with applications to epilepsy. , 2009, , .		3
207	Novel insight into magnetic resonance through a spherical coordinate framework for the Bloch equation. , 2009, , .		3
208	A super low power MICS band receiver front-end down converter on 65 nm CMOS. , 2010, , .		3
209	Probability Steiner trees and maximum parsimony in phylogenetic analysis. Journal of Mathematical Biology, 2012, 64, 1225-1251.	1.9	3
210	On on-line sampled-data optimal learning for dynamic systems with uncertainties. , 2013, , .		3
211	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
212	On robustness analysis of a vibrational control system: Input-to-state practical stability. , 2016, , .		3
213	Siting and sizing distributed storage for microgrid applications. , 2017, , .		3
214	Feature Learning in Assistive Rehabilitation Robotic Systems. , 2018, 2018, 2511-2514.		3
215	Iterative Learning Control for Linear Time-varying Systems with Input and Output Constraints. , 2018, , .		3
216	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

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217	Information Infrastructures for Utilities Management in the Brewing Industry. Lecture Notes in Computer Science, 2012, , 73-77.	1.3	3
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