

# Chris Manzie

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

181 papers	2,392 citations	27 h-index	42 g-index
197 ext. papers	2,877 ext. citations	4 avg, IF	5.53 L-index

#	Paper	IF	Citations
181	Multi-time-scale observer design for state-of-charge and state-of-health of a lithium-ion battery. <i>Journal of Power Sources</i> , <b>2016</b> , 335, 121-130	8.9	149
180	A Framework for Simplification of PDE-Based Lithium-Ion Battery Models. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1594-1609	4.8	112
179	Fuel economy improvements for urban driving: Hybrid vs. intelligent vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2007</b> , 15, 1-16	8.4	107
178	Newton-Like Extremum-Seeking for the Control of Thermoacoustic Instability. <i>IEEE Transactions on Automatic Control</i> , <b>2010</b> , 55, 2094-2105	5.9	100
177	Extremum Seeking With Stochastic Perturbations. <i>IEEE Transactions on Automatic Control</i> , <b>2009</b> , 54, 580-585	5.9	83
176	The forced response of choked nozzles and supersonic diffusers. <i>Journal of Fluid Mechanics</i> , <b>2007</b> , 585, 281-304	3.7	75
175	Unified frameworks for sampled-data extremum seeking control: Global optimisation and multi-unit systems. <i>Automatica</i> , <b>2013</b> , 49, 2720-2733	5.7	66
174	A Framework for Extremum Seeking Control of Systems With Parameter Uncertainties. <i>IEEE Transactions on Automatic Control</i> , <b>2013</b> , 58, 435-448	5.9	53
173	Conventional, hybrid and electric vehicles for Australian driving conditions. Part 2: Life cycle CO <sub>2</sub> -e emissions. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2013</b> , 28, 63-73	8.4	53
172	Effects of moving the center's in an RBF network. <i>IEEE Transactions on Neural Networks</i> , <b>2002</b> , 13, 1299-307		53
171	Conventional, hybrid and electric vehicles for Australian driving conditions [Part 1: Technical and financial analysis. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2012</b> , 25, 238-249	8.4	51
170	A unifying approach to extremum seeking: Adaptive schemes based on estimation of derivatives <b>2010</b> ,		51
169	Model Predictive Control for Lithium-Ion Battery Optimal Charging. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2018</b> , 23, 947-957	5.5	50
168	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2013</b> , 9, 808-816	11.9	48
167	Model Predictive Control of a Fuel Injection System with a Radial Basis Function Network Observer. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2002</b> , 124, 648-658	1.6	48
166	Electromechanical Brake Modeling and Control: From PI to MPC. <i>IEEE Transactions on Control Systems Technology</i> , <b>2008</b> , 16, 446-457	4.8	47
165	Extremum-seeking control of a supercritical carbon-dioxide closed Brayton cycle in a direct-heated solar thermal power plant. <i>Energy</i> , <b>2013</b> , 60, 380-387	7.9	45

164	Fast extremum-seeking for Wiener-Hammerstein plants. <i>Automatica</i> , <b>2012</b> , 48, 2433-2443	5.7	44
163	Model Predictive Contouring Control for Biaxial Systems. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 552-559	4.8	42
162	Multidimensional global extremum seeking via the DIRECT optimisation algorithm. <i>Automatica</i> , <b>2013</b> , 49, 1970-1978	5.7	35
161	Model predictive contouring control <b>2010</b> ,		34
160	A non-gradient approach to global extremum seeking: An adaptation of the Shubert algorithm. <i>Automatica</i> , <b>2013</b> , 49, 809-815	5.7	33
159	<b>2009</b> ,		32
158	Gaussian networks for fuel injection control. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2001</b> , 215, 1053-1068	1.4	30
157	Model reduction and MIMO model predictive control of gas turbine systems. <i>Control Engineering Practice</i> , <b>2015</b> , 45, 194-206	3.9	29
156	Optimal move blocking strategies for model predictive control. <i>Automatica</i> , <b>2015</b> , 61, 27-34	5.7	28
155	Multi-agent source seeking via discrete-time extremum seeking control. <i>Automatica</i> , <b>2014</b> , 50, 2312-2329	5.7	28
154	Robust periodic economic MPC for linear systems. <i>Automatica</i> , <b>2015</b> , 60, 30-37	5.7	26
153	Economic Model Predictive Control and Applications for Diesel Generators. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 388-400	4.8	24
152	Model Reduction of Turbocharged (TC) Spark Ignition (SI) Engines. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> , 19, 297-310	4.8	24
151	. <i>IEEE Transactions on Automatic Control</i> , <b>2012</b> , 57, 1685-1695	5.9	21
150	Control of an Electromechanical Brake for Automotive Brake-By-Wire Systems with an Adapted Motion Control Architecture <b>2004</b> ,		21
149	Enhancing the performance of existing urban traffic light control through extremum-seeking. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2016</b> , 62, 1-20	8.4	20
148	Online optimization of spark advance in alternative fueled engines using extremum seeking control. <i>Control Engineering Practice</i> , <b>2014</b> , 29, 201-211	3.9	20
147	Extremum seeking of dynamical systems via gradient descent and stochastic approximation methods. <i>Automatica</i> , <b>2015</b> , 56, 44-52	5.7	19

146	Newton-like extremum-seeking part I: Theory <b>2009</b> ,		19
145	Control Barrier Functions for Mechanical Systems: Theory and Application to Robotic Grasping. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 29, 530-545	4.8	19
144	Least cost, utility scale abatement from Australia's NEM (National Electricity Market). Part 1: Problem formulation and modelling. <i>Energy</i> , <b>2016</b> , 101, 606-620	7.9	17
143	Cold start modelling of spark ignition engines. <i>Control Engineering Practice</i> , <b>2011</b> , 19, 912-925	3.9	16
142	Tactile-Based Blind Grasping: A Discrete-Time Object Manipulation Controller for Robotic Hands. <i>IEEE Robotics and Automation Letters</i> , <b>2018</b> , 3, 1064-1071	4.2	15
141	A novel approach to disturbance rejection in idle speed control towards reduced idle fuel consumption. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2003</b> , 217, 677-690	1.4	15
140	Dither Re-Use in Nash Equilibrium Seeking. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 1433-1438	5.9	14
139	. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2016</b> , 21, 2964-2976	5.5	13
138	Optimal use of telemetry by parallel hybrid vehicles in urban driving. <i>Transportation Research Part C: Emerging Technologies</i> , <b>2012</b> , 25, 134-151	8.4	13
137	Continuity and monotonicity of the MPC value function with respect to sampling time and prediction horizon. <i>Automatica</i> , <b>2016</b> , 63, 330-337	5.7	12
136	PDE battery model simplification for SOC and SOH estimator design <b>2015</b> ,		11
135	A review of industrial tracking control algorithms. <i>Control Engineering Practice</i> , <b>2020</b> , 102, 104536	3.9	10
134	Fast model-based extremum seeking on Hammerstein plants <b>2013</b> ,		10
133	Two-Stage Optimal Control of a Parallel Hybrid Vehicle with Traffic Preview. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 2115-2120		10
132	Fast extremum-seeking on Hammerstein plants. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 108-113		10
131	A systematic approach to extremum seeking based on parameter estimation <b>2010</b> ,		10
130	Fast Calibration of a Robust Model Predictive Controller for Diesel Engine Airpath. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 1505-1519	4.8	10
129	Extremum-Seeking in Singularly Perturbed Hybrid Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2017</b> , 62, 3014-3020	5.9	9

128	Fast extremum seeking on Hammerstein plants: A model-based approach. <i>Automatica</i> , <b>2015</b> , 59, 171-181	5.7	9
127	Control-Oriented Modeling of A Lithium-Ion Battery for Fast Charging. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 3912-3917		9
126	Nonlinear Model-Predictive Integrated Missile Control and Its Multiobjective Tuning. <i>Journal of Guidance, Control, and Dynamics</i> , <b>2017</b> , 40, 2961-2970	2.1	9
125	Discrete-time extremum-seeking for Wiener-Hammerstein plants. <i>Automatica</i> , <b>2014</b> , 50, 2998-3008	5.7	9
124	A comparison of fuel consumption between hybrid and intelligent vehicles during urban driving. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2006</b> , 220, 67-76	1.4	9
123	Indicated Torque Reconstruction from Instantaneous Engine Speed in a Six-cylinder SI Engine Using Support Vector Machines <b>2005</b> ,		9
122	Interior Point Differential Dynamic Programming. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-8	4.8	9
121	Hierarchical economic MPC for systems with storage states. <i>Automatica</i> , <b>2018</b> , 94, 138-150	5.7	8
120	Model predictive controller with average emissions constraints for diesel airpath. <i>Control Engineering Practice</i> , <b>2019</b> , 90, 182-189	3.9	8
119	Robust stable economic MPC with applications in engine control <b>2014</b> ,		8
118	Efficient calibration of real-time model-based controllers for diesel engines [Part I: Approach and drive cycle results <b>2017</b> ,		8
117	Near-time-optimal tracking controller design for an automotive electromechanical brake. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2012</b> , 226, 537-549	1	8
116	Misfire-misfuel classification using support vector machines. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2007</b> , 221, 1183-1195	1.4	8
115	Control of an isolated microgrid using hierarchical economic model predictive control. <i>Applied Energy</i> , <b>2020</b> , 280, 115960	10.7	8
114	An economic MPC approach to microgrid control <b>2016</b> ,		8
113	Least cost, utility scale abatement from Australia's NEM (National Electricity Market). Part 2: Scenarios and policy implications. <i>Energy</i> , <b>2016</b> , 101, 621-628	7.9	8
112	Personalized Online Adaptation of Kinematic Synergies for Human-Prosthesis Interfaces. <i>IEEE Transactions on Cybernetics</i> , <b>2021</b> , 51, 1070-1084	10.2	8
111	Robust object manipulation for tactile-based blind grasping. <i>Control Engineering Practice</i> , <b>2019</b> , 92, 104136	3.6	7

110	Distributed Thermal-Electrochemical Modeling of a Lithium-Ion Battery to Study the Effect of High Charging Rates. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 6258-6263		7
109	Multi-axis model predictive contouring control. <i>International Journal of Control</i> , <b>2013</b> , 86, 1410-1424	1.5	7
108	Spark ignition engine control strategies for minimising cold start fuel consumption under cumulative tailpipe emissions constraints. <i>Control Engineering Practice</i> , <b>2013</b> , 21, 1007-1019	3.9	7
107	Idle speed control using linear time varying model predictive control and discrete time approximations <b>2010</b> ,		7
106	Adaptive Scan for Atomic Force Microscopy Based on Online Optimization: Theory and Experiment. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 869-883	4.8	7
105	State of charge management for plug in hybrid electric vehicles with uncertain distance to recharge <b>2013</b> ,		6
104	ECMS Controller Robustness in Flex-Fuel Hybrid Vehicles. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2014</b> , 136,	1.6	6
103	High-Bandwidth Clamp Force Control for an Electromechanical Brake. <i>SAE International Journal of Passenger Cars - Electronic and Electrical Systems</i> , <b>2012</b> , 5, 590-599		6
102	A Cold-Start Emissions Model of an Engine and Aftertreatment System for Optimisation Studies <b>2010</b> ,		6
101	A unifying framework for analysis and design of extremum seeking controllers <b>2012</b> ,		6
100	Modelling Combustion Variability in LPG Injected Engines for Improved Engine Performance at Idle <b>2004</b> ,		6
99	Task-Space Synergies for Reaching Using Upper-Limb Prostheses. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2020</b> , 28, 2966-2977	4.8	6
98	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 8143-8154	8.9	5
97	Nonlinear model predictive missile control with a stabilising terminal constraint. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 457-462		5
96	Suboptimal Cold Start Strategies for Spark Ignition Engines. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 1295-1308	4.8	5
95	Sampled Data Model Predictive Idle Speed Control of Ultra-Lean Burn Hydrogen Engines. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 538-545	4.8	5
94	Model Reduction of Diesel Mean Value Engine Models <b>2015</b> ,		5
93	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 2336-2343	4.8	5

92	State of Charge Management for Plug-In Hybrid Vehicles With Uncertain Trip Information. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2015</b> , 137,	1.6	5
91	A Physics-Based Integrated Model of a Spark Ignition Engine and a Three-Way Catalyst. <i>Combustion Science and Technology</i> , <b>2012</b> , 184, 1269-1301	1.5	5
90	A Technical and Financial Analysis of Potentially Near-Zero Greenhouse Gas Emission Passenger Vehicles. <i>SAE International Journal of Passenger Cars - Mechanical Systems</i> , <b>2013</b> , 6, 61-77	0.3	5
89	Newton-like extremum-seeking part II: Simulations and experiments <b>2009</b> ,		5
88	A Machine Learning Approach for Tuning Model Predictive Controllers <b>2018</b> ,		5
87	Constrained extremum seeking of a MIMO dynamic system. <i>Automatica</i> , <b>2019</b> , 108, 108496	5.7	4
86	Fast extremum seeking for optimization of brake specific fuel consumption <b>2014</b> ,		4
85	Online optimisation of fuel consumption subject to NOx constraints. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 8901-8906		4
84	Efficient calibration of real-time model-based controllers for diesel engines [Part II: Incorporating practical robustness guarantees <b>2017</b> ,		4
83	Simplification techniques for PDE-based Li-Ion battery models <b>2015</b> ,		4
82	Active Brake Judder Compensation Using an Electro-Hydraulic Brake System. <i>SAE International Journal of Commercial Vehicles</i> , <b>2015</b> , 8, 20-26	1	4
81	Optimal control of a parallel hybrid vehicle with a traffic preview. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2014</b> , 228, 719-733	1.4	4
80	Robustness of ECMS-based Optimal Control in Parallel Hybrid Vehicles. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2013</b> , 46, 127-132		4
79	Optimal cold start calibration of spark ignition engines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 13022-13027		4
78	Explicit Model Predictive Control for Reference Tracking on an Industrial Machine Tool. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 14513-14518		4
77	Application of Model Predictive Contouring Control to an X-Y Table. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 10325-10330		4
76	Control Oriented Modeling of Turbocharged (TC) Spark Ignition (SI) Engine <b>2009</b> ,		4
75	Control-Oriented Modeling Requirements of a Direct-Drive Machine Tool Axis. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	4

74	Fuel Economy Benefits of Look-ahead Capability in a Mild Hybrid Configuration. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2008</b> , 41, 5646-5651		4
73	Optimization of cold start automotive fuel economy using a spark timing strategy <b>2006</b> ,		4
72	Extremum Seeking Methods for Online Automotive Calibration. <i>Lecture Notes in Control and Information Sciences</i> , <b>2014</b> , 23-39	0.5	4
71	Hybrid Extremum Seeking for Black-Box Optimization in Hybrid Plants: An Analytical Framework <b>2018</b> ,		4
70	Singularly Perturbed Algorithms for Velocity Consensus and Shape Control of Single Integrator Multi-Agent Systems. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 200-205	0.7	4
69	Receding horizon time-optimal control for a class of differentially flat systems. <i>Systems and Control Letters</i> , <b>2015</b> , 83, 61-66	2.4	3
68	Bounded Error Tracking Control for Contouring Systems with End Effector Measurements <b>2019</b> ,		3
67	Extremum-Seeking for Adaptation of Urban Traffic Signal Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 5067-5072		3
66	Extremum-seeking-based adaptive scan for atomic force microscopy <b>2017</b> ,		3
65	An Economic and In-Service Emissions Analysis of Conventional, Hybrid and Electric Vehicles for Australian Driving Conditions. <i>SAE International Journal of Commercial Vehicles</i> , <b>2012</b> , 5, 291-298	1	3
64	A Methodology for Minimising Emissions Constrained Cold Start Fuel Consumption <b>2012</b> ,		3
63	On the stability analysis and modelling of a multirate control direct-drive machine tool axis subject to large changes in load dynamics <b>2010</b> ,		3
62	Relative Fuel Economy Potential of Intelligent, Hybrid and IntelligentHybrid Passenger Vehicles <b>2010</b> , 61-90		3
61	Non-local stability of a Nash equilibrium seeking scheme with dither re-use <b>2012</b> ,		3
60	The Effect of Grid Resolution and Oxygen Storage in a One-Dimensional Monolithic Three-Way Catalyst Model. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 191-198		3
59	Technical Note for Tactile-Based Blind Grasping: A Discrete-Time Object Manipulation Controller for Robotic HandsIEEE <i>Robotics and Automation Letters</i> , <b>2020</b> , 5, 3475-3476	4.2	3
58	Exploiting Inherent Human Motor Behaviour in the Online Personalisation of Human-Prosthetic Interfaces. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 1973-1980	4.2	3
57	Towards dynamic object manipulation with tactile sensing for prosthetic hands <b>2016</b> ,		3



56	Analytical results for the multi-objective design of model-predictive control. <i>Control Engineering Practice</i> , <b>2016</b> , 56, 1-12	3.9	3
55	On the Relationship Between Human Motor Control Performance and Kinematic Synergies in Upper Limb Prosthetics. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2018</b> , 2018, 3194-3197	0.9	3
54	Early Termination of NMPC Interior Point Solvers: Relating the Duality Gap to Stability <b>2019</b> ,		2
53	Tuning of multivariable model predictive controllers through expert bandit feedback. <i>International Journal of Control</i> , <b>2020</b> , 1-9	1.5	2
52	Optimization Framework for Codesign of Controlled Aerodynamic Systems. <i>AIAA Journal</i> , <b>2016</b> , 54, 3149-3159	2	
51	Mesh adaptation in direct collocated nonlinear model predictive control. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 4624	3.6	2
50	A Robust Model Predictive Control Framework for Diesel Generators. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 11848-11853		2
49	Adaptive Brake Torque Variation Compensation for an Electromechanical Brake. <i>SAE International Journal of Passenger Cars - Electronic and Electrical Systems</i> , <b>2012</b> , 5, 600-606		2
48	Semi-global stability analysis of a discrete-time extremum-seeking scheme using LDI methods <b>2013</b> ,		2
47	Rapid parameter identification for an electromechanical brake <b>2013</b> ,		2
46	Is there a need for fully converged CFD solutions? Global extremum seeking applied to aerodynamic shape optimisation <b>2013</b> ,		2
45	Extremum Seeking Methods for Online Optimization of Spark Advance in Alternative Fueled Engines*. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 1-8		2
44	Discrete time extremum seeking using stochastic perturbations <b>2007</b> ,		2
43	On the potential for improving fuel economy using a traffic flow sensor network		2
42	Collision Avoidance Based on Robust Lexicographic Task Assignment. <i>IEEE Robotics and Automation Letters</i> , <b>2020</b> , 5, 5693-5700	4.2	2
41	A class of adaptive feedforward control using multiplexed extremum seeking <b>2016</b> ,		2
40	<b>2019</b> ,		2
39	Grasp Constraint Satisfaction for Object Manipulation using Robotic Hands <b>2018</b> ,		2

38	On-line Synergy Identification for Personalized Active Arm Prosthesis: a Feasibility Study <b>2018</b> ,		2
37	Robustness analysis of nonlinear observers for the slow variables of singularly perturbed systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2020</b> , 30, 5628-5656	3.6	1
36	Multiplexed extremum seeking for calibration of spark timing in a CNG-fuelled engine. <i>Control Engineering Practice</i> , <b>2018</b> , 72, 42-52	3.9	1
35	An experimental investigation of additional actuators on a submarine diesel generator. <i>Control Engineering Practice</i> , <b>2016</b> , 55, 26-37	3.9	1
34	Consideration of plant behaviour in optimal servo-compensator design. <i>International Journal of Control</i> , <b>2016</b> , 89, 1316-1331	1.5	1
33	Demonstration of Model-Based, Off-Line Performance Analysis on a Gas Turbine Air Compressor. <i>Journal of Engineering for Gas Turbines and Power</i> , <b>2013</b> , 135,	1.7	1
32	<b>2013</b> ,		1
31	Development and Validation of a Physics-Based, Dynamic Model of a Gas Turbine <b>2013</b> ,		1
30	Model reduction of automotive engines using perturbation theory <b>2009</b> ,		1
29	On a shubert algorithm-based global Extremum Seeking Scheme <b>2012</b> ,		1
28	Thermodynamic Analysis of a Steam Injected and Recuperated Gas Turbine Air Compressor <b>2012</b> ,		1
27	A control-oriented model for cold start operation of spark ignition engines. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 216-223		1
26	Modeling the Effects of Combustion Variability for Application to Idle Speed Control in SI Engines <b>2002</b> ,		1
25	A distributed algorithm for UAV-based communication networks using constrained extremum seeking. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 5429-5434	0.7	1
24	Uncertainty Intervals for Robust Bottleneck Assignment <b>2019</b> ,		1
23	Exploiting Structure in the Bottleneck Assignment Problem. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 3310-3315	0.7	1
22	Minimax strategy in approximate model predictive control. <i>Automatica</i> , <b>2020</b> , 111, 108649	5.7	1
21	Scan Rate Adaptation for AFM Imaging Based on Performance Metric Optimization. <i>IEEE/ASME Transactions on Mechatronics</i> , <b>2020</b> , 25, 418-428	5.5	1

20	<b>2016,</b>		1
19	Modelling and Contouring Error Bounded Control of a Biaxial Industrial Gantry Machine <b>2019,</b>		1
18	Convergence of full-order observers for the slow states of a singularly perturbed system (Part I: Theory) <b>2018,</b>		1
17	A Framework for Robust Nonlinear Economic MPC Without Terminal Constraints for a Class of Time Varying Systems <b>2018,</b>		1
16	Global stability of the error dynamics of an observer designed for the slow states of a singularly perturbed system <b>2018,</b>		1
15	Convergence of full-order observers for the slow states of a singularly perturbed system (Part II: Applications) <b>2018,</b>		1
14	Multi-agent gradient climbing via extremum seeking control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 9973-9978		0
13	A comparison of turbine mass flow models based on pragmatic identification data sets for turbogenerator model development. <i>Energy</i> , <b>2022</b> , 247, 123073	7.9	0
12	Robust distributed model predictive control of linear systems: Analysis and synthesis. <i>Automatica</i> , <b>2022</b> , 137, 110141	5.7	0
11	Active Learning for Linear Parameter-Varying System Identification. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 989-994	4.7	0
10	Practical exponential stability and closeness of solutions for singularly perturbed systems via averaging. <i>Automatica</i> , <b>2021</b> , 126, 109449	5.7	0
9	Adjoint assisted geometry design of a feedback controlled missile. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 451-456		
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