

# Giorgio Rizzoni

## List of Publications by Year in Descending Order

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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.

227  
papers

7,223  
citations

42  
h-index

79  
g-index

257  
ext. papers

8,659  
ext. citations

4.2  
avg. IF

6.24  
L-index

#	Paper	IF	Citations
227	Data-Driven Adaptive Equivalent Consumption Minimization Strategy for Hybrid Electric and Connected Vehicles. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2705	2.6	0
226	Development of an electrochemical model for a Lithium Titanate Oxide  Nickel Manganese Cobalt Battery Module. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104046	7.8	0
225	A review of architectures and control strategies of dual-motor coupling powertrain systems for battery electric vehicles. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 162, 112455	16.2	2
224	Formal Certification Methods for Automated Vehicle Safety Assessment. <i>IEEE Transactions on Intelligent Vehicles</i> , <b>2022</b> , 1-1	5	1
223	Optimal Sensor Placement for Multi-Fault Detection and Isolation in Lithium-Ion Battery Pack. <i>IEEE Transactions on Transportation Electrification</i> , <b>2021</b> , 1-1	7.6	0
222	Model-based state of health estimation of a lead-acid battery using step-response and emulated in-situ vehicle data. <i>Journal of Energy Storage</i> , <b>2021</b> , 36, 102353	7.8	8
221	Intelligent energy flow management of a nanogrid fast charging station equipped with second life batteries. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 127, 106602	5.1	6
220	Prediction of remaining useful life for a composite electrode lithium ion battery cell using an electrochemical model to estimate the state of health. <i>Journal of Power Sources</i> , <b>2021</b> , 481, 228861	8.9	12
219	Effect of Engine Start and Clutch Slip Losses on the Energy Management Problem of a Hybrid DCT Powertrain. <i>International Journal of Automotive Technology</i> , <b>2020</b> , 21, 953-969	1.6	5
218	On Weighing the Conflicting Cost Functions for Optimal Energy Management of Electrified Powertrain. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 14129-14134	0.7	0
217	Velocity and energy trajectory prediction of electrified powertrain for look ahead control. <i>Applied Energy</i> , <b>2020</b> , 279, 115903	10.7	7
216	Stochastic capacity loss and remaining useful life models for lithium-ion batteries in plug-in hybrid electric vehicles. <i>Journal of Power Sources</i> , <b>2020</b> , 478, 228991	8.9	12
215	Leak Diagnosis in the Evaporative Emissions Control System Using Statistical Methods. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 510-515	0.7	
214	Design and calibration of a semi-empirical model for capturing dominant aging mechanisms of a PbA battery. <i>Journal of Energy Storage</i> , <b>2019</b> , 24, 100789	7.8	5
213	Physical modeling of evaporative emission control system in gasoline fueled automobiles: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 116, 109462	16.2	9
212	A generalized equivalent circuit model for large-scale battery packs with cell-to-cell variation <b>2019</b> ,		3
211	Modeling for drivability and drivability improving control of HEV. <i>Control Engineering Practice</i> , <b>2018</b> , 70, 50-62	3.9	7

210	On quantifying the utility of look-ahead data for energy management. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 57-62	7	3
209	Optimal Energy Management in a Range Extender PHEV Using a Cascaded Dynamic Programming Approach <b>2018</b> ,		2
208	Mission-based Design Space Exploration for Powertrain Electrification of Series Plugin Hybrid Electric Delivery Truck <b>2018</b> ,		4
207	An Improved Model-Based Self-Adaptive Filter for Online State-of-Charge Estimation of Li-Ion Batteries. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2084	2.6	4
206	Fault Diagnosis and Fault Mitigation for Torque Safety of Drive-by-Wire Systems. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 8041-8054	6.8	6
205	Fault Diagnosis for Electric Drive Systems of Electrified Vehicles Based on Structural Analysis. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 1027-1039	6.8	41
204	A probabilistic approach for prognosis of battery pack aging. <i>Journal of Power Sources</i> , <b>2017</b> , 347, 57-68	8.9	13
203	Nonlinear robust control of marine diesel engine. <i>Journal of Marine Engineering and Technology</i> , <b>2017</b> , 16, 1-10	1.3	7
202	Model-based diagnosis and fault tolerant control for ensuring torque functional safety of pedal-by-wire systems. <i>Control Engineering Practice</i> , <b>2017</b> , 61, 255-269	3.9	9
201	A physics-based fractional order model and state of energy estimation for lithium ion batteries. Part II: Parameter identification and state of energy estimation for LiFePO <sub>4</sub> battery. <i>Journal of Power Sources</i> , <b>2017</b> , 367, 202-213	8.9	33
200	A physics-based fractional order model and state of energy estimation for lithium ion batteries. Part I: Model development and observability analysis. <i>Journal of Power Sources</i> , <b>2017</b> , 367, 187-201	8.9	33
199	Robust stability analysis of DC microgrids with constant power loads <b>2017</b> ,		5
198	Analysis of fading characteristics of a lithium ion battery based on an integration model. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 104, 1317-1324	4.9	5
197	Nonlinear Model Predictive Control for the Coordination of Electric Loads in Smart Homes <b>2017</b> ,		2
196	Fault Diagnosis of Pneumatic Systems: Application of a Systematic Model-Based Methodology. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 3294-3300	0.7	1
195	Residential Demand Response: Dynamic Energy Management and Time-Varying Electricity Pricing. <i>IEEE Transactions on Power Systems</i> , <b>2016</b> , 31, 1108-1117	7	206
194	Energy management strategy including battery life optimization for a HEV with a CVT <b>2016</b> ,		12
193	Fault diagnosis and fault tolerant control for electrified vehicle torque security <b>2016</b> ,		1

192	Model-Based Torque Shaping for Smooth Acceleration Response in Hybrid Electric Vehicles * *Financial support provided by the National Science Foundation Graduate Research Fellowship Program under grant no. DGE-1343012 and the Department of Energy Graduate Automotive Technology Education (GATE) Fellowship Program.. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 525-532	0.7	2
191	HEV Modeling. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> , 7-30	0.4	2
190	A multi-dimensional well-to-wheels analysis of passenger vehicles in different regions: Primary energy consumption, CO2 emissions, and economic cost. <i>Applied Energy</i> , <b>2016</b> , 169, 197-209	10.7	79
189	Equivalent Consumption Minimization Strategy. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> , 65-77	0.4	5
188	Hybrid Electric Vehicles. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> ,	0.4	115
187	The Energy Management Problem in HEVs. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> , 31-40	0.4	3
186	Adaptive Optimal Supervisory Control Methods. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> , 79-87	0.4	
185	A Novel Mechanical Analogy-Based Battery Model for SoC Estimation Using a Multicell EKF. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 1695-1702	8.2	42
184	Structural analysis based sensors fault detection and isolation of cylindrical lithium-ion batteries in automotive applications. <i>Control Engineering Practice</i> , <b>2016</b> , 52, 46-58	3.9	33
183	A simplified multi-particle model for lithium ion batteries via a predictor-corrector strategy and quasi-linearization. <i>Energy</i> , <b>2016</b> , 116, 154-169	7.9	24
182	Sensors Installation Guide to Monitor Automatic Transmission Performance. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 736-741	0.7	5
181	PEV Charging Control Considering Transformer Life and Experimental Validation of a 25 kVA Distribution Transformer. <i>IEEE Transactions on Smart Grid</i> , <b>2015</b> , 6, 648-656	10.7	27
180	A Lumped-Parameter Modeling Methodology for One-Dimensional Hyperbolic Partial Differential Equations Describing Nonlinear Wave Propagation in Fluids. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2015</b> , 137,	1.6	3
179	State of health estimation in composite electrode lithium-ion cells. <i>Journal of Power Sources</i> , <b>2015</b> , 284, 642-649	8.9	9
178	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 1-1	4.8	59
177	Energy Management Strategy for HEVs Including Battery Life Optimization. <i>IEEE Transactions on Transportation Electrification</i> , <b>2015</b> , 1, 211-222	7.6	123
176	Model-Based Fault Diagnosis of an Automated Manual Transmission Shifting Actuator. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 1479-1484	0.7	5
175	A control-oriented lithium-ion battery pack model for plug-in hybrid electric vehicle cycle-life studies and system design with consideration of health management. <i>Journal of Power Sources</i> , <b>2015</b> , 279, 791-808	8.9	73

174	Structural Analysis Based Fault Detection and Isolation Applied for A Lithium-Ion Battery Pack. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 1465-1470	0.7	13
173	Structural Analysis for Diagnosability and Reconfigurability, with ppplication to Electric Vehicle Drive System. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 1471-1478	0.7	2
172	Functional Safety of Electrified Vehicles Through Model-Based Fault Diagnosis. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 454-461	0.7	4
171	Modeling and Simulation of Residential Power Demand Including Transportation <b>2015</b> ,		1
170	Investigation of Torque Security Problems in Electrified Vehicles <b>2015</b> ,		2
169	Energy Management of Hybrid Electric Vehicles: 15 years of development at the Ohio State University. <i>Oil and Gas Science and Technology</i> , <b>2015</b> , 70, 41-54	1.9	27
168	Current-Split Estimation in Li-Ion Battery Pack: An Enhanced Weighted Recursive Filter Method. <i>IEEE Transactions on Transportation Electrification</i> , <b>2015</b> , 1, 402-412	7.6	2
167	Capacity and power fade cycle-life model for plug-in hybrid electric vehicle lithium-ion battery cells containing blended spinel and layered-oxide positive electrodes. <i>Journal of Power Sources</i> , <b>2015</b> , 278, 473-483	8.9	138
166	A multi time-scale state-of-charge and state-of-health estimation framework using nonlinear predictive filter for lithium-ion battery pack with passive balance control. <i>Journal of Power Sources</i> , <b>2015</b> , 280, 293-312	8.9	97
165	Role of residential demand response in modern electricity markets. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 33, 546-553	16.2	94
164	User-Steered Energy Generation and Consumption Multimodel Simulation for Pricing and Policy Development. <i>Computing in Science and Engineering</i> , <b>2014</b> , 16, 22-33	1.5	
163	Model-based Diagnosis of an Automotive Electric Power Generation and Storage System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2014</b> , 44, 72-85	7.3	27
162	Integration of capacity fading in an electrochemical model of Li-ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 2425-2434	2.6	9
161	Modeling and Analysis of a CNG Residential Refueling System <b>2014</b> ,		9
160	Sensor Placement Analysis for Fault Detectability and Isolability of an Automated Manual Transmission <b>2014</b> ,		3
159	Development of a Dynamic Driveline Model for a Parallel-Series PHEV. <i>SAE International Journal of Alternative Powertrains</i> , <b>2014</b> , 3, 244-256	2	1
158	Refinement of a Parallel-Series PHEV for Year 3 of the EcoCAR 2 Competition <b>2014</b> ,		4
157	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2014</b> , 15, 2491-2505	6.1	164

156	Electrochemical-Thermal Modeling of Li-Ion Battery Packs <b>2014</b> ,		4
155	Fault Diagnosis for PMSM Drive System in Electric Vehicle <b>2014</b> ,		3
154	Modeling and Control of a Novel Power Split Hybrid Electric Vehicle <b>2014</b> ,		3
153	Fault Detection and Isolation for Lithium-Ion Battery System Using Structural Analysis and Sequential Residual Generation <b>2014</b> ,		16
152	Optimal energy management of HEVs with consideration of battery aging <b>2014</b> ,		6
151	Study of relationship between temperature and thermal energy, operating conditions as well as environmental factors in large-scale lithium-ion batteries. <i>International Journal of Energy Research</i> , <b>2014</b> , 38, 1994-2002	4.5	20
150	Crowd sourced energy estimation in connected vehicles <b>2014</b> ,		4
149	Structural analysis for FDI of PMSM drive system in electric vehicles <b>2014</b> ,		4
148	Insight into the HEV/PHEV optimal control solution based on a new tuning method. <i>Control Engineering Practice</i> , <b>2014</b> , 29, 247-256	3.9	17
147	A lithium-ion battery model including electrical double layer effects. <i>Journal of Power Sources</i> , <b>2014</b> , 251, 157-169	8.9	27
146	Highly-resolved modeling of personal transportation energy consumption in the United States. <i>Energy</i> , <b>2013</b> , 58, 168-177	7.9	43
145	Design and parametrization analysis of a reduced-order electrochemical model of graphite/LiFePO <sub>4</sub> cells for SOC/SOH estimation. <i>Journal of Power Sources</i> , <b>2013</b> , 237, 310-324	8.9	131
144	Planning and control of Electric Vehicles using dynamic energy capacity models <b>2013</b> ,		2
143	Modeling the cathode pressure dynamics in the Buckeye Bullet II 540 kW hydrogen PEM fuel cell system. <i>Journal of Power Sources</i> , <b>2013</b> , 241, 33-45	8.9	7
142	Economic and environmental impacts of a PV powered workplace parking garage charging station. <i>Applied Energy</i> , <b>2013</b> , 108, 323-332	10.7	172
141	A highly resolved modeling technique to simulate residential power demand. <i>Applied Energy</i> , <b>2013</b> , 107, 465-473	10.7	135
140	Fault Modelling for Hierarchical Fault Diagnosis and Prognosis <b>2013</b> ,		4
139	Model-based state of charge estimation and observability analysis of a composite electrode lithium-ion battery <b>2013</b> ,		5

138	Characterization of Cycle-Life Aging in Automotive Lithium-Ion Pouch Cells. <i>ECS Transactions</i> , <b>2013</b> , 50, 235-247	1	13
137	Adaptive Energy Management Strategy Calibration in PHEVs Based on a Sensitivity Study. <i>SAE International Journal of Alternative Powertrains</i> , <b>2013</b> , 2, 443-455	2	25
136	A near-optimal rule-based energy management strategy for medium duty hybrid truck. <i>International Journal of Powertrains</i> , <b>2013</b> , 2, 232	0.5	31
135	Dynamic Energy Management of a Residential Energy Eco-System <b>2013</b> ,		4
134	Fabrication of a Parallel-Series PHEV for the EcoCAR 2 Competition <b>2013</b> ,		8
133	Hybrid and Electrified Vehicles. <i>Mechanical Engineering</i> , <b>2013</b> , 135, S10-S17	0.9	9
132	Study of PEV Charging on Residential Distribution Transformer Life. <i>IEEE Transactions on Smart Grid</i> , <b>2012</b> , 3, 404-412	10.7	163
131	Cloud-computing based velocity profile generation for minimum fuel consumption: A dynamic programming based solution <b>2012</b> ,		27
130	Virtual PHEV fleet study based on Monte Carlo simulation. <i>International Journal of Vehicle Design</i> , <b>2012</b> , 58, 266	2.4	5
129	A new life estimation method for lithium-ion batteries in plug-in hybrid electric vehicles applications. <i>International Journal of Power Electronics</i> , <b>2012</b> , 4, 302	0.2	78
128	Design of a Parallel-Series PHEV for the EcoCAR 2 Competition. <i>SAE International Journal of Fuels and Lubricants</i> , <b>2012</b> , 5, 1317-1344	1.8	11
127	Intelligent Energy Management for Plug-in Hybrid Electric Vehicles: The Role of ITS Infrastructure in Vehicle Electrification. <i>Oil and Gas Science and Technology</i> , <b>2012</b> , 67, 575-587	1.9	19
126	Comparison of Limiting Descriptions of the Electrical Double Layer Using a Simplified Lithium-Ion Battery Model. <i>ECS Transactions</i> , <b>2012</b> , 41, 9-21	1	7
125	Development of a vehicle stability control strategy for a hybrid electric vehicle equipped with axle motors. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2012</b> , 226, 795-814	1.4	22
124	Energy consumption of residential HVAC systems: A simple physically-based model <b>2012</b> ,		16
123	Analysis of impact factors for plug-in hybrid electric vehicles energy management <b>2012</b> ,		12
122	An experimentally validated capacity degradation model for Li-ion batteries in PHEVs applications. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 456-461		20
121	A prognostic methodology for interconnected systems: preliminary results. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2012</b> , 45, 1125-1130		4

120	Analytical Solution to the Minimum Fuel Consumption Optimization Problem With the Existence of a Traffic Light <b>2012</b> ,		15
119	Development and experimental validation of a low-frequency dynamic model for a Hybrid Electric Vehicle. <i>International Journal of Powertrains</i> , <b>2012</b> , 1, 304	0.5	2
118	Modelling and control of a brake system for an extended range electric vehicle equipped with axle motors. <i>International Journal of Vehicle Design</i> , <b>2012</b> , 58, 399	2.4	15
117	Layered control strategies for hybrid electric vehicles based on optimal control. <i>International Journal of Electric and Hybrid Vehicles</i> , <b>2011</b> , 3, 191	0.7	35
116	Effect of Traffic, Road and Weather Information on PHEV Energy Management <b>2011</b> ,		10
115	An Iterative Markov Chain Approach for Generating Vehicle Driving Cycles. <i>SAE International Journal of Engines</i> , <b>2011</b> , 4, 1035-1045	2.4	58
114	Model Based Engine Control Development and Hardware-in-the-Loop Testing for the EcoCAR Advanced Vehicle Competition. <i>SAE International Journal of Engines</i> , <b>2011</b> , 4, 1699-1707	2.4	3
113	A Reduced-Order Electrochemical Model of Lithium-Ion Cells for System Identification of Battery Aging <b>2011</b> ,		5
112	Energy-Optimal Control of Plug-in Hybrid Electric Vehicles for Real-World Driving Cycles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 2949-2962	6.8	172
111	Optimal energy management of hybrid electric vehicles including battery aging <b>2011</b> ,		95
110	Optimal Control of PEV Charging Based on Residential Base Load Prediction <b>2011</b> ,		5
109	A Comparative Analysis of Energy Management Strategies for Hybrid Electric Vehicles. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2011</b> , 133,	1.6	265
108	Optimal control for Plug-in Hybrid Electric Vehicle applications <b>2010</b> ,		27
107	Statistical analysis of PHEV fleet data <b>2010</b> ,		18
106	Nonlinear Fault Detection and Isolation for a Lithium-Ion Battery Management System <b>2010</b> ,		17
105	Energy management for plug-in hybrid electric vehicles using equivalent consumption minimisation strategy. <i>International Journal of Electric and Hybrid Vehicles</i> , <b>2010</b> , 2, 329	0.7	70
104	Adaptive Equivalent Consumption Minimization Strategy for Hybrid Electric Vehicles <b>2010</b> ,		67
103	A Reduced-Order Model for the Thermal Dynamics of Li-Ion Battery Cells. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2010</b> , 43, 192-197		8



102	A Rule-Based Strategy for a Series/Parallel Hybrid Electric Vehicle: An Approach Based on Dynamic Programming <b>2010</b> ,		32
101	Design of an Extended-Range Electric Vehicle for the EcoCAR Challenge <b>2010</b> ,		3
100	Thermal diffusivity study of aged Li-ion batteries using flash method. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 872-876	8.9	42
99	Application of Model-Based Design Techniques for the Control Development and Optimization of a Hybrid-Electric Vehicle <b>2009</b> ,		4
98	Automotive Battery Prognostics Using Dual Extended Kalman Filter <b>2009</b> ,		11
97	Optimality Assessment of Equivalent Consumption Minimization Strategy for PHEV Applications <b>2009</b> ,		9
96	Scanning spreading resistance characterization of aged Li-ion batteries using atomic force microscopy. <i>Scripta Materialia</i> , <b>2009</b> , 60, 933-936	5.6	34
95	<b>2009</b> ,		75
94	ECMS as a realization of Pontryagin's minimum principle for HEV control <b>2009</b> ,		174
93	Mean Value Modeling and Analysis of HCCI Diesel Engines With External Mixture Formation. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2009</b> , 131,	1.6	30
92	PHEV fleet data collection and analysis <b>2009</b> ,		16
91	Lithium-ion batteries life estimation for plug-in hybrid electric vehicles <b>2009</b> ,		87
90	Model Predictive Control as an Energy Management Strategy for Hybrid Electric Vehicles <b>2009</b> ,		13
89	Diagnosis and Prognosis of Automotive Systems: motivations, history and some results. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 191-202		14
88	A Novel Model-Based Algorithm for Battery Prognosis. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2009</b> , 42, 923-928		18
87	<b>2008</b> ,		47
86	A Kalman-filter-based multi-sensor terrain profile measurement system: principle, implementation and validation <b>2008</b> ,		3
85	Sabbatical USA. <i>ATZ Worldwide</i> , <b>2008</b> , 110, 68-71	0.1	

84	Optimal control of power split for a hybrid electric refuse vehicle <b>2008</b> ,		41
83	A two-step optimisation method for the preliminary design of a hybrid electric vehicle. <i>International Journal of Electric and Hybrid Vehicles</i> , <b>2008</b> , 1, 142	0.7	19
82	Experimental Calibration and Validation of Fault Diagnosis and Prognosis Algorithms for Automotive Electric Power Generation and Storage System <b>2008</b> ,		3
81	Experimental Characterization of Mixed-Mode HCCI/DI Combustion on a Common Rail Diesel Engine <b>2007</b> ,		8
80	A Comparative Study Of Supervisory Control Strategies for Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2007</b> , 15, 506-518	4.8	381
79	Design of a lightweight chassis for the land speed record vehicle Buckeye Bullet 2. <i>International Journal of Vehicle Design</i> , <b>2007</b> , 44, 379	2.4	3
78	Dynamic Modeling of Heavy-Duty Hybrid Electric Vehicles <b>2007</b> , 121		6
77	Experimental Validation of a Model for Control of Drivability in a Hybrid-Electric Vehicle <b>2007</b> , 105		6
76	Hierarchical Model-Based Fault Diagnosis for an Electrical Power Generation Storage Automotive System. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	14
75	Model-Based Fuel Optimal Control of Hybrid Electric Vehicle Using Variable Structure Control Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2007</b> , 129, 13-19	1.6	49
74	DESIGN AND VALIDATION OF LIGHT-DUTY FC HYBRID VEHICLE FOR URBAN TRANSPORTATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2007</b> , 40, 523-530		
73	Theoretical and experimental investigation on diesel HCCI combustion with external mixture formation. <i>International Journal of Vehicle Design</i> , <b>2007</b> , 44, 62	2.4	15
72	Prospective evaluation of the saline infusion test for excluding primary aldosteronism due to aldosterone-producing adenoma. <i>Journal of Hypertension</i> , <b>2007</b> , 25, 1433-42	1.9	67
71	An Adaptive Algorithm for Hybrid Electric Vehicle Energy Management Based on Driving Pattern Recognition <b>2006</b> , 249		38
70	Evaluation of powertrain solutions for future tactical truck vehicle systems <b>2006</b> ,		2
69	Rejection of harmonic sensor disturbances in passive systems, and applications to attitude control <b>2006</b> ,		2
68	Injection diagnosis through common-rail pressure measurement. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2006</b> , 220, 347-357	1.4	37
67	Toward a framework for the hybrid control of a multi-mode hybrid-electric driveline <b>2006</b> ,		2

66	Experimental Validation for Control-Oriented Modeling of Multi-Cylinder HCCI Diesel Engines <b>2006</b> , 277		4
65	Development of a terrain severity measurement system utilizing optical lasers <b>2006</b> ,		6
64	Hybrid-Electric Powertrain Design Evaluation for Future Tactical Truck Vehicle Systems <b>2006</b> , 271		0
63	Analysis and Evaluation of a Two Engine Configuration in a Series Hybrid Electric Vehicle <b>2006</b> , 239		3
62	The Development of a Terrain Severity Measurement System <b>2006</b> ,		2
61	A Polytopic System Approach for the Hybrid Control of a Diesel Engine Using VGT/EGR. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2005</b> , 127, 13-21	1.6	10
60	A-ECMS: An Adaptive Algorithm for Hybrid Electric Vehicle Energy Management. <i>European Journal of Control</i> , <b>2005</b> , 11, 509-524	2.5	425
59	A Control-Oriented Mean-Value Model of HCCI Diesel Engines With External Mixture Formation <b>2005</b> , 355		10
58	Development of a Control-Oriented Model for Simulation of SOFC-Based Energy Systems <b>2005</b> , 1265		3
57	Modeling, simulation, and concept design for hybrid-electric medium-size military trucks <b>2005</b> , 5805, 1		6
56	A Mean-Value Model of a Turbocharged HCCI Diesel Engine with External Mixture Formation <b>2005</b> ,		10
55	Issues in performance certification for high-level automotive control software. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , <b>2005</b> , 30, 1-6	0.4	
54	A 1-D Planar Solid Oxide Fuel Cell Model for Simulation of SOFC-Based Energy Systems <b>2004</b> , 205		4
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5	Application of sliding mode observers to automobile powertrain diagnostics		1
4			3
3			1
2			4
1	Transformational Technologies Reshaping Transportation - An Academia Perspective		5