Alain Bouscayrol

List of Publications by Year
in descending order

200	4,407	172207 29	149479 56
papers	citations	h-index	g-index

207	207	207	2605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electric, Hybrid, and Fuel-Cell Vehicles: Architectures and Modeling. IEEE Transactions on Vehicular Technology, 2010, 59, 589-598.	3.9	613
2	Comparison of energy management strategies of a battery/supercapacitors system for electric vehicle under real-time constraints. Applied Energy, 2016, 163, 190-200.	5.1	221
3	Energy Storage System With Supercapacitor for an Innovative Subway. IEEE Transactions on Industrial Electronics, 2010, 57, 4001-4012.	5.2	155
4	Real-Time Energy Management of Battery/Supercapacitor Electric Vehicles Based on an Adaptation of Pontryagin's Minimum Principle. IEEE Transactions on Vehicular Technology, 2019, 68, 203-212.	3.9	136
5	Different types of Hardware-In-the-Loop simulation for electric drives. , 2008, , .		125
6	Weighted Control of Traction Drives With Parallel-Connected AC Machines. IEEE Transactions on Industrial Electronics, 2006, 53, 1799-1806.	5.2	113
7	Generic control method of multileg voltage-source-converters for fast practical implementation. IEEE Transactions on Power Electronics, 2003, 18, 517-526.	5.4	112
8	Design and control of a supercapacitor storage system for traction applications. , 0, , .		98
9	Specifications and Design of a PM Electric Variable Transmission for Toyota Prius II. IEEE Transactions on Vehicular Technology, 2011, 60, 4106-4114.	3.9	98
10	Powering Sustainable Mobility: Roadmaps of Electric, Hybrid, and Fuel Cell Vehicles [Point of View]. Proceedings of the IEEE, 2009, 97, 603-607.	16.4	94
11	Influence of control strategies on battery/supercapacitor hybrid Energy Storage Systems for traction applications. , 2009, , .		89
12	Power strategies for maximum control structure of a wind energy conversion system with a synchronous machine. Renewable Energy, 2005, 30, 2273-2288.	4.3	86
13	Energetic Macroscopic Representation and Inversion-Based Control Illustrated on a Wind-Energy-Conversion System Using Hardware-in-the-Loop Simulation. IEEE Transactions on Industrial Electronics, 2009, 56, 4826-4835.	5.2	78
14	Flexible realâ€time control of a hybrid energy storage system for electric vehicles. IET Electrical Systems in Transportation, 2013, 3, 79-85.	1.5	75
15	Reduced-Scale-Power Hardware-in-the-Loop Simulation of an Innovative Subway. IEEE Transactions on Industrial Electronics, 2010, 57, 1175-1185.	5.2	71
16	Improvement of an EVT-Based HEV Using Dynamic Programming. IEEE Transactions on Vehicular Technology, 2014, 63, 40-50.	3.9	71
17	Control Implementation of a Five-Leg ACâ€“AC Converter to Supply a Three-Phase Induction Machine. IEEE Transactions on Power Electronics, 2005, 20, 107-115.	5.4	70
18	Comparison of Different Models and Simulation Approaches for the Energetic Study of a Subway. IEEE Transactions on Vehicular Technology, 2014, 63, 556-565.	3.9	66

#	Article	IF	Citations
19	Global modeling of different vehicles. IEEE Vehicular Technology Magazine, 2009, 4, 80-89.	2.8	64
20	From Modeling to Control of a PEM Fuel Cell Using Energetic Macroscopic Representation. IEEE Transactions on Industrial Electronics, 2010, 57, 1882-1891.	5.2	55
21	Influence of an Energy Storage System on the Energy Consumption of a Diesel-Electric Locomotive. IEEE Transactions on Vehicular Technology, 2014, 63, 1032-1040.	3.9	53
22	IEEE VTS Motor Vehicles Challenge 2017 - Energy Management of a Fuel Cell/Battery Vehicle. , 2016, , .		50
23	Switched Causal Modeling of Transmission With Clutch in Hybrid Electric Vehicles. IEEE Transactions on Vehicular Technology, 2008, 57, 2081-2088.	3.9	43
24	Energetic Macroscopic Representation and Inversion-based Control: Application to an Electric Vehicle with an Electrical Differential. Journal of Asian Electric Vehicles, 2008, 6, 1097-1102.	0.4	42
25	Inversion-based control of electromechanical systems using causal graphical descriptions. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	41
26	Impact of Heating System on the Range of an Electric Vehicle. IEEE Transactions on Vehicular Technology, 2017, 66, 4668-4677.	3.9	41
27	Real-Time Backstepping Control for Fuel Cell Vehicle Using Supercapacitors. IEEE Transactions on Vehicular Technology, 2018, 67, 306-314.	3.9	40
28	Control structures for multi-machine multi-converter systems with upstream coupling. Mathematics and Computers in Simulation, 2003, 63, 261-270.	2.4	38
29	Comparison of Different EMR-Based Models of Traction Power Substations for Energetic Studies of Subway Lines. IEEE Transactions on Vehicular Technology, 2016, 65, 1021-1029.	3.9	38
30	Simulation Model of a Military HEV With a Highly Redundant Architecture. IEEE Transactions on Vehicular Technology, 2010, 59, 2654-2663.	3.9	35
31	PV inverter simulation using MATLAB/Simulink graphical environment and PLECS blockset. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	34
32	A macroscopic PEM fuel cell model including water phenomena for vehicle simulation. Renewable Energy, 2012, 46, 81-91.	4.3	34
33	Minimum Copper Loss and Power Distribution Control Strategies of Double-Inverter-Fed Wound-Rotor Induction Machines Using Energetic Macroscopic Representation. IEEE Transactions on Energy Conversion, 2010, 25, 642-651.	3.7	33
34	Multi-machine multi-converter system for drives: analysis of coupling by a global modeling. , 0, , .		30
35	Practical control schemes of a battery/supercapacitor system for electric vehicle. IET Electrical Systems in Transportation, 2016, 6, 20-26.	1.5	29
36	Control implementation of a five-leg voltage-source-inverter supplying two three-phase induction machines. , 0, , .		28

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37	Global modeling and control strategy simulation for a hybrid electric vehicle using electrical variable transmission. , 2008, , .		27
38	Global modeling and control strategy simulation. IEEE Vehicular Technology Magazine, 2009, 4, 73-79.	2.8	27
39	Dynamical Coupling of a Battery Electro-Thermal Model and the Traction Model of an EV for Driving Range Simulation. IEEE Transactions on Vehicular Technology, 2020, 69, 328-337.	3.9	27
40	Global modeling of different vehicles using Energetic Macroscopic Representation. , 2008, , .		25
41	Hardware-In-the-Loop Simulation of Traction Power Supply for Power Flows Analysis of Multitrain Subway Lines. IEEE Transactions on Vehicular Technology, 2017, 66, 5564-5571.	3.9	24
42	Impact of the Velocity Profile on Energy Consumption of Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 11420-11426.	3.9	24
43	Efficiency Map of the Traction System of an Electric Vehicle from an On-Road Test Drive. , 2014, , .		23
44	Comparisons of Electric Vehicles Using Modular Cascade Machines System and Classical Single Drive Electric Machine. IEEE Transactions on Vehicular Technology, 2018, 67, 354-361.	3.9	22
45	Techno-Economic Comparison of Total Cost of Ownership of Electric and Diesel Vehicles. IEEE Access, 2020, 8, 195752-195762.	2.6	22
46	Coupling Bond Graph and Energetic Macroscopic Representation for Electric Vehicle Simulation. Mechatronics, 2014, 24, 906-913.	2.0	21
47	Energy Savings of a Hybrid Truck Using a Ravigneaux Gear Train. IEEE Transactions on Vehicular Technology, 2017, 66, 8682-8692.	3.9	21
48	IEEE VTS Motor Vehicles Challenge 2018 - Energy Management of a Range Extender Electric Vehicle. , 2017, , .		21
49	Control validation of Peugeot 3âˆž8 HYbrid4 Vehicle Using a Reduced-scale Power HIL Simulation. Journal of Electrical Engineering and Technology, 2013, 8, 1227-1233.	1.2	21
50	Influence of the heating system on the fuel consumption of a hybrid electric vehicle. Energy Conversion and Management, 2016, 129, 250-261.	4.4	20
51	Electrokinematical Simulation for Flexible Energetic Studies of Railway Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 3592-3600.	5.2	20
52	Comparison of Energy Recovery Solutions on a Suburban DC Railway System. IEEE Transactions on Transportation Electrification, 2021, 7, 1849-1857.	5.3	20
53	Causal Fuel Cell System Model Suitable for Transportation Simulation Applications. Journal of Fuel Cell Science and Technology, 2010, 7, .	0.8	19
54	Influence of a CVT on the fuel consumption of a parallel medium-duty electric hybrid truck. Mathematics and Computers in Simulation, 2019, 158, 120-129.	2.4	19

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55	Digital Twin Real-Time FPGA Implementation for Light Electric Vehicle Propulsion System Using EMR Organization. , 2019, , .		19
56	Comparison of Control Strategies for Maximizing Energy in a Supercapacitor Storage Subsystem. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 5-14.	0.7	17
57	Teaching drive control using Energetic Macroscopic Representation - initiation level. , 2007, , .		16
58	Inversion-Based Control of a Highly Redundant Military HEV. IEEE Transactions on Vehicular Technology, 2013, 62, 500-510.	3.9	16
59	Design of a permanent magnet electric variable transmission for HEV applications. , 2010, , .		15
60	Dynamical and quasi-static multi-physical models of a diesel internal combustion engine using Energetic Macroscopic Representation. Energy Conversion and Management, 2015, 91, 280-291.	4.4	15
61	Flexible Simulation of an Electric Vehicle to Estimate the Impact of Thermal Comfort on the Energy Consumption. IEEE Transactions on Transportation Electrification, 2022, 8, 2288-2298.	5.3	15
62	Energy Management in Fuel-Cell/Battery Vehicles: Key Issues Identified in the IEEE Vehicular Technology Society Motor Vehicle Challenge 2017. IEEE Vehicular Technology Magazine, 2018, 13, 144-151.	2.8	14
63	A Hybrid Modular Cascade Machines System for Electric Vehicles Using Induction Machine and Permanent Magnet Synchronous Machine. IEEE Transactions on Vehicular Technology, 2021, 70, 273-281.	3.9	14
64	Hardware-in-the-loop simulation of a wind energy conversion system using energetic macroscopic representation. , 2005, , .		13
65	Control of a Seven-phase Axial Flux Machine Designed for Fault Operation. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	13
66	Characterisation of the electric drive of EV: onâ€road versus offâ€road method. IET Electrical Systems in Transportation, 2017, 7, 215-222.	1.5	13
67	IEEE VTS Motor Vehicles Challenge 2021 - Energy Management of A Dual-Motor All-Wheel Drive Electric Vehicle. , 2020, , .		13
68	Simulation of a Photovoltaic Conversion System using Energetic Macroscopic Representation. , 2012, , .		12
69	Energy Management of a Multi-Source Vehicle by Î»-Control. Applied Sciences (Switzerland), 2020, 10, 6541.	1.3	12
70	Weighted control of drives with series connected DC machines. , 0, , .		11
71	Extension of Energetic Macroscopic Representation to Time-Varying Systems - Application to Winder Tension Control. , 2006, , .		11
72	Annual Variation in Energy Consumption of an Electric Vehicle Used for Commuting. Energies, 2020, 13, 4639.	1.6	11

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73	Simulation of an electric vehicle to study the impact of cabin heating on the driving range. , 2020, , .		11
74	IEEE VTS Motor Vehicles Challenge 2022 - Sizing and Energy Management of Hybrid dual-Energy Storage System for a Commercial Electric Vehicle. , 2021, , .		11
75	Control of a triple drive paper system based on the energetic macroscopic representation. , 2004, , .		10
76	Hardware-in-the-loop simulation of different wind turbines using Energetic Macroscopic Representation. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	10
77	Comparison of two series-parallel Hybrid Electric Vehicles focusing on control structures and operation modes. , 2009, , .		10
78	Modelling and control of a double parallel hybrid electric vehicle using Energetic Macroscopic Representation. , 2009, , .		10
79	Comparison of two different traction systems for subway application using Energetic Macroscopic Representation. , 2012, , .		10
80	Different Hybridization Rate of a Diesel-Electric Locomotive. , 2014, , .		10
81	Integration of the Road Slope in the Optimization of the Energy Management Strategy of a parallel HEV. IFAC-PapersOnLine, 2019, 52, 28-33.	0.5	10
82	Real-Time Energy Management of Parallel Hybrid Electric Vehicles Using Linear Quadratic Regulation. Energies, 2020, 13, 5538.	1.6	10
83	Sensitivity of a 5-phase brushless DC machine to the 7th harmonic of the back-electromotive force. , 0, , .		9
84	Comparison of 3-, 5- and 7-leg Voltage Source Inverters for low voltage applications. , 2007, , .		9
85	Inversion-based control of a hybrid Electric Vehicle using a split Electric Variable Transmission. , 2008, , .		9
86	Energetic Macroscopic Representation and inversion-based control of the traction system of a hybrid locomotive. , 2012, , .		9
87	Simulation of a Wind Energy Conversion System using Energetic Macroscopic Representation. , 2012, , .		9
88	Hybrid Energy Management Strategy for Hybrid Electric Vehicle. , 2015, , .		9
89	Sizing of Modular Cascade Machines System for Electric Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 1278-1287.	3.9	9
90	ReprÃ©sentation Ã©nergÃ©tique macroscopique d'une pile Ã combustible. Revue Internationale De GÃ©nie Ã©lectrique, 2008, 10, 603-623.	0.0	9

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91	Identification of a 7-phase claw-pole starter-alternator for a micro-hybrid automotive application. , 2008, , .		8
92	Teaching drive control using Energetic Macroscopic Representation â€" From maximal to practical control schemes. , 2015, , .		8
93	Regenerative Braking Strategy of a Formula SAE Electric Race Car Using Energetic Macroscopic Representation. World Electric Vehicle Journal, 2020, 11, 45.	1.6	8
94	Model validation of the whole traction system of an automatic subway. , 2006, , .		7
95	Inversion-Based Control of a Proton Exchange Membrane Fuel Cell System Using Energetic Macroscopic Representation. Journal of Fuel Cell Science and Technology, 2009, 6, .	0.8	7
96	Influence of the mechanical limitations of a traction system on energy storage design. Mathematics and Computers in Simulation, 2010, 81, 302-314.	2.4	7
97	A common model validation in the case of the Toyota Prius II. , 2010, , .		7
98	Teaching electric vehicle drive control using Energetic Macroscopic Representation. , 2013, , .		7
99	Comparison of Backstepping Control and Inversion-Based Control of a Range Extender Electric Vehicle. , 2014, , .		7
100	Rule-Based Energy Management Strategy for a Parallel Hybrid Electric Vehicle Deduced from Dynamic Programming. , 2017, , .		7
101	An Optimal Control-Based Strategy for Energy Management of Electric Vehicles Using Battery/Supercapacitor. , 2017, , .		7
102	Analytical Derivation of Efficiency Map of an Induction Machine for Electric Vehicle Applications. , 2018, , .		7
103	Field Weakening Control of a PM Electric Variable Transmission for HEV. Journal of Electrical Engineering and Technology, 2013, 8, 1096-1106.	1.2	7
104	Influence of Control Design on Energetic Performances of an Electric Vehicle. , 2007, , .		6
105	Validation of Mechanical Transmission with Clutch using Hardware-In-the-Loop Simulation. , 2007, , .		6
106	Validation of anti-slip control for traction system using Hardware-In-the-Loop simulation. , 2007, , .		6
107	Simulation of an unified control scheme for different Hybrid Electric Vehicles. , 2009, , .		6
108	Influence of the clutch model in a simulation of a parallel Hybrid Electric Vehicle. , 2009, , .		6

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109	Modelling and control of a vehicle with tire-road interaction using energy-based techniques. , 2009, , .		6
110	Energy management of a fuel cell system: Influence of the air supply control on the water issues. , 2010, , .		6
111	Inversion-based control of a PM electric variable transmission. , 2011, , .		6
112	Dynamic Model and Causal Description of a Traction Power Substation Based on 6-Pulse Diode Rectifier. , 2014, , .		6
113	Energetic Macroscopic Representation and Inversion-Based Control of an Electrical Vehicle Using Modular Cascade Machines. , 2016, , .		6
114	Reduced-Scale Hardware-In-the-Loop Simulation of an Urban Electric Minibus Using Energetic Macroscopic Representation. , 2017, , .		6
115	Comparison of the Energy Consumption of a Diesel Car and an Electric Car. , 2018, , .		6
116	EPEâ€™13 ECCE Europe, a carbon-neutral conference. EPE Journal (European Power Electronics and Drives) Tj ETQq0 0 0 rgBT /Overlock	0.7	6
117	Comparison of Energetic Macroscopic Representation and Structural Representation on EV Simulation under Simcenter Amesim. , 2019, , .		6
118	Comparison of equivalent circuit battery models for energetic studies on electric vehicles. , 2020, , .		6
119	Behaviour model control for cascaded processes: Application to an electrical drive. Computers and Electrical Engineering, 2004, 30, 509-526.	3.0	5
120	Maximum control structure of a five-drive paper system using Energetic Macroscopic Representation. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	5
121	Hardware-in-the-loop simulation of the traction system of an automatic subway. , 2007, , .		5
122	Guest Editorial Special Section on Advanced Transportation Systems. IEEE Transactions on Vehicular Technology, 2011, 60, 4102-4105.	3.9	5
123	Energy management in EVs using battery and supercapacitors: Algebraic loop issue. , 2014, , .		5
124	A Model Predictive Control with Non-Uniform Sampling Times for a Hybrid Energy Storage System in Electric Vehicle Application. , 2015, , .		5
125	Carbon Care Action of IEEE-VPPC'14. , 2015, , .		5
126	Improved Voltage Limitation Method of Supercapacitors in Electric Vehicle Applications. , 2016, , .		5

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127	Characterization Method for Electrothermal Model of Li-Ion Large Cells. , 2017, , .		5
128	Optimal Energy Management of a Parallel Hybrid Truck for Fuel Consumption Comparative Study. , 2018, , .		5
129	Comparisons of Models of Electric Drives for Electric Vehicles. , 2019, , .		5
130	Switched Causal Modeling of Transmission with Clutch in Hybrid Electric Vehicles. , 2006, , .		4
131	Graphical description for Hardware-in-the-loop simulation. , 2008, , .		4
132	Optimal Management and Comparison of SP-HEV vehicles using the dynamic programming method. , 2012, , .		4
133	Modeling and control of an electric vehicle combining bond graph and Energetic Macroscopic Representation. , 2012, , .		4
134	Experiences on Carbon Care Conferences. , 2014, , .		4
135	Different Control Schemes of a Battery/Supercapacitor System in Electric Vehicle. , 2014, , .		4
136	Reduced-Scale-Power Hardware-In-the-Loop Simulation of a Subway Line. , 2015, , .		4
137	Battery pack self-heating during the charging process. , 2018, , .		4
138	Comparison of different models for energy management strategy design of a parallel hybrid electric vehicle: Impact of the rotating masses. IET Electrical Systems in Transportation, 2021, 11, 36-46.	1.5	4
139	Nonâ€linear switched model for accurate voltage estimation and power flow analysis of DC railway systems. IET Electrical Systems in Transportation, 2020, 10, 425-435.	1.5	4
140	Energetic Macroscopic Representation of a hybrid storage system based on supercapacitors and compressed air. , 2007, , .		3
141	Identification of sensitive R-L parameters of a multiphase drive by a vector control. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
142	Control of a Symmetrical Dual-Drive Gantry System Using Energetic Macroscopic Representation. Solid State Phenomena, 2008, 144, 181-185.	0.3	3
143	Energy based modeling of a 6-wheel drive hybrid heavy truck. , 2009, , .		3
144	Thermal energetic model of an Internal Combustion Engine for simulation of a thermal vehicle. , 2012, , .		3

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145	A Novel Approach for Simulating the Control of the Traction System of an Automatic Subway. , 2014, , .		3
146	Special Section on Advanced Powertrains for More Electric Vehicles. IEEE Transactions on Vehicular Technology, 2016, 65, 995-997.	3.9	3
147	Study of Regenerative Braking Effects in a Small Electric Race Car using Energetic Macroscopic Representation. , 2019, , .		3
148	Impact of Supercapacitors on Fuel Consumption and Battery Current of a Parallel Hybrid Truck. , 2019, , .		3
149	Application de la reprÃ©sentation Ã©nergÃ©tique macroscopique Ã un systÃ¨me de traction multimachine. ReprÃ©sentation SMM du VAL 206. Revue Internationale De GÃ©nie Ã©lectrique, 2002, 5, 431-453.	0.0	3
150	Energy Consumption of a Battery Electric Vehicle in Winter Considering Preheating: Tradeoff Between Improved Performance and Total Energy Consumption. IEEE Vehicular Technology Magazine, 2022, 17, 104-112.	2.8	3
151	Inversion-based control of a vehicle with a clutch using a switched causal modelling. International Journal of Systems Science, 2011, 42, 319-334.	3.7	2
152	Position control of a 3 DOF platform for haptic shape rendering. , 2012, , .		2
153	Range-Extender Electric Vehicle Using a Fuel Cell. , 2013, , .		2
154	Decomposed Energy Management of a Multi-Source Fuel Cell Vehicle Using Energetic Macroscopic Representation. , 2016, , .		2
155	Project-Based Master on Intelligent Electric Vehicles. , 2016, , .		2
156	EMR-Based Simulation Tool of a Multi-Train Subway System. , 2016, , .		2
157	Reduced-Scale Hardware-In-the-Loop Simulation of an Electric Vehicle Using Modular Cascade Machines. , 2017, , .		2
158	Bi-Level Optimal Energy Management of a Hybrid Truck Supplied by Batteries and Supercapacitors. , 2018, , .		2
159	Hardware-In-the-Loop Emulation of a Small Electric Race Car Using Energetic Macroscopic Representation. , 2019, , .		2
160	Quantification of the Recoverable Braking Energy in a Reversible Railway DC Traction Power Substation. , 2019, , .		2
161	Mechanical Braking Strategy Impact on Energy Consumption of a Subway. , 2020, , .		2
162	Model Simplifications of a Subway Vehicle for Computation of Energy Consumption. , 2021, , .		2

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163	Simcenter Amesim virtual validation of a BEV using EMR methodology. , 2021, , .		2
164	Calculation of the GHG emissions of a European research project on electrified vehicles. , 2021, , .		2
165	Modeling of an EV air conditioning system for energetic studies in summer. , 2021, , .		2
166	Comparison of cartesian vector control and polar vector control for induction motor drives. Mathematics and Computers in Simulation, 1998, 46, 325-337.	2.4	1
167	Modelling comparison of planetary gear using EMR and Simdriveline for Hybrid Electric Vehicles. , 2009, , .		1
168	Modelling and control of a vehicle with tire-road interaction using Power-Oriented-Graph and Energetic-Macroscopic-Representation formalisms. , 2009, , .		1
169	Benefits of a Double Parallel 4-Wheel-Drive HEV for Different Driving Cycles. , 2013, , .		1
170	Full-Scale Power Hardware-In-the-Loop Simulation of an Electric Vehicle Using Energetic Macroscopic Representation. , 2015, , .		1
171	Signal HIL Simulation of a Hybrid Locomotive Using Energetic Macroscopic Representation. , 2015, , .		1
172	Comparison of Continuous and Discrete Variable Transmissions for Parallel HEVs. , 2016, , .		1
173	Backstepping Control of a Fuel Cell/Supercapacitor System for Electric Vehicle. , 2016, , .		1
174	Backstepping Control of an Electric Vehicle with Local Control Saturation. , 2017, , .		1
175	Single Cell Electro-Thermal Model for Simulation of an Electric Vehicle. , 2018, , .		1
176	Heat Description of a Modular Cascade Machines System Using Energetic Macroscopic Representation. , 2018, , .		1
177	Merging control of a hybrid energy storage system using battery/supercapacitor for electric vehicle application. , 2018, , .		1
178	Optimal sizing of the EVT for a hybrid urban delivery truck. IFAC-PapersOnLine, 2019, 52, 504-509.	0.5	1
179	Comparison of Gearless Hybrid Transmissions for a Medium-Duty Truck. , 2019, , .		1
180	Electrical Railway Dynamical Versus Static Models for Infrastructure Planning and Operation. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5514-5525.	4.7	1

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181	Multi-level simulation of a BEV using EMR methodology. , 2020, , .		1
182	HIL Simulation of an Electric Race Car with Electric Differential and Regenerative Braking. , 2020, , .		1
183	Inversion-based Control of Scaled PMSM for Battery Electric Vehicles. , 2021, , .		1
184	Full Power Constraints HiL Setup for Battery Module Testing in Electric Vehicles. , 2021, , .		1
185	Merging control for the hybrid energy storage subsystem of a Fuel-Cell Vehicle. , 2021, , .		1
186	Modelling and Control of an Ultrasonic Motor: Application to a Mechanical Claw Drive. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	0
187	Different control schemes of a Fuel-Cell Vehicle using supercapacitors. , 2012, , .		0
188	Fault-operation modes of a highly redundant military HEV. , 2012, , .		0
189	Linear Estimators and Observers for the Induction Machine (IM). , 2013, , 175-250.		0
190	Simulation Tool of an Electric Vehicle Including Thermal Aspect Using Energetic Macroscopic Representation. , 2014, , .		0
191	Modeling and Simulation of an Automatic Subway Including Interleaved Inverter Dynamics. , 2015, , .		0
192	Multi-Source EV Reduced-Scale Demonstrator for Awareness of E-Mobility. , 2016, , .		0
193	Influence of the Dynamical Mass on the Fuel Consumption of a Plug-In Parallel Hybrid Electric Vehicle in Simulation. , 2018, , .		0
194	Specification in Time and Frequency Domains of a Power Emulator for Testing the Generator of a Series Hybrid Electric Vehicle. , 2019, , .		0
195	Master Unit on Sustainable Development Applications. , 2019, , .		0
196	Influence d'une modulation avec rÃ©fÃ©rence Ã valeur moyenne variable dans un ensemble convertisseur-machine. Journal De Physique III, 1994, 4, 1069-1084.	0.3	0
197	Guest Editorial Introduction to the Special Section on More Electric Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 14128-14130.	3.9	0
198	Plug-in Hybridization of a Medium-Duty Truck Considering Total Cost of Ownership. , 2021, , .		0

#	Article	IF	Citations
199	Influence of Electric Vehicle Charging on Lithium-ion Batteries Aging. , 2021, , .		0
200	Guest Editorial Introduction to the Special Section on Innovative Electrified Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 5674-5676.	3.9	0