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## Control of hybrid electric vehicles

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671	Incorporating drivability metrics into optimal energy management strategies for Hybrid Vehicles. <b>2008</b> ,		25
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669	Statistical learning controller for the energy management in a fuel cell electric vehicle. <b>2008</b> ,		
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665	Statistical Learning applied to the energy management in a Fuel Cell Electric Vehicle. <b>2008</b> , 41, 4659-4664		
664	Hybrid Electric Vehicle Energy Management Using Game Theory. <b>2008</b> ,		12
663	Low-Cost Pathway to Ultra Efficient City Car: Series Hydraulic Hybrid System with Optimized Supervisory Control. <b>2009</b> , 2, 505-520		28
662	Modelling and experimental evaluation of control management in the series hybrid vehicle Enea Urb-e. <b>2009</b> ,		3
661	Online Implementation of an Optimal Supervisory Control for a Parallel Hybrid Powertrain. <b>2009</b> , 2, 1630-1638	24	
660	Performance comparison of hybrid vehicle energy management controllers on real-world drive cycle data. <b>2009</b> ,		15
659	Electric bikes energy management-game-theoretic synthesis and implementation. <b>2009</b> ,		3
658	State of the art power management algorithms for hybrid electric vehicles. <b>2009</b> ,		22
657	Look-ahead control consequences of a non-linear fuel map on truck fuel consumption. <b>2009</b> , 223, 1223-1238		32

656	Predictive Reference Signal Generator for Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2009</b> , 58, 4730-4740	6.8	115
655	Optimal energy management for a complex hybrid electric vehicle: Tolerating power-loss of motor. <b>2009</b> , 14, 476-481		1
654	Predictive energy management of a 4QT series-parallel hybrid electric bus. <b>2009</b> , 17, 1440-1453		68
653	Automobiles of the future and the role of automatic control in those systems. <b>2009</b> , 33, 1-10		23
652	Dynamic power sharing strategy for active hybrid energy storage systems. <b>2009</b> ,		13
651	Efficient power management through optimized speed and torque operation of drivetrain components. <b>2009</b> ,		
650	. <b>2009</b> ,		32
649	Predictive control for HEV energy management: experimental results. <b>2009</b> ,		20
648	Energy control strategies comparison for a city car Plug-In HEV. <b>2009</b> ,		16
647	A generic dynamic programming Matlab function. <b>2009</b> ,		238
646	ECMS as a realization of Pontryagin's minimum principle for HEV control. <b>2009</b> ,		174
645	Predictive energy management of a power-split hybrid electric vehicle. <b>2009</b> ,		110
644	Supervisory Control of Hybrid Powertrains: an Experimental Benchmark of Offline Optimization and Online Energy Management. <b>2009</b> , 42, 109-117		11
643	Utilizing Road Grade Preview For Increasing Fuel Economy of Hybrid Vehicles. <b>2009</b> , 42, 168-173		5
642	Analysis of a Rule-Based Control Strategy for On-Board Energy Management of Hybrid Solar Vehicles. <b>2009</b> , 42, 103-108		2
641	Optimal Control of Plug-in HEVs for Fuel Economy Under Various Travel Distances. <b>2010</b> , 43, 258-263		2
640	Virtual laboratories on energy management systems: the Hybrid Electric Vehicle case. <b>2010</b> , 42, 13-18		1
639	Predictive energy management for hybrid electric vehicles - Prediction horizon and battery capacity sensitivity. <b>2010</b> , 43, 270-275		16

638	Overall Monitoring and Diagnosis for Hybrid Vehicle Powertrains. <b>2010</b> , 43, 93-98		
637	Simulation and control design of hybrid propulsions in boats. <b>2010</b> , 43, 40-45		1
636	Model-Based Supervisory Control for Energy Optimization of Hybrid-Electric Vehicles. <b>2010</b> , 4-1-4-18		
635	Implementation of an Optimal Control Energy Management Strategy in a Hybrid Truck. <b>2010</b> , 43, 61-66		6
634	Automotive Applications of Solar Energy. <b>2010</b> , 43, 174-185		21
633	The torque control of human power assisted electric bikes. <b>2010</b> ,		1
632	A Transmission-Actuated Energy-Management Strategy. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 84-92	6.8	29
631	Role of Terrain Preview in Energy Management of Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2010</b> , 59, 1139-1147	6.8	127
630	Fuel efficient power management strategy for fuel cell hybrid powertrains. <b>2010</b> , 18, 408-417		79
629	Effects of engine thermal transients on the energy management of series hybrid solar vehicles. <b>2010</b> , 18, 1231-1238		16
628	Explicit optimal control policy and its practical application for hybrid electric powertrains. <b>2010</b> , 18, 1429-1439		68
627	Impacts of AMT Gear-Shifting on Fuel Optimal Look Ahead Control. <b>2010</b> ,		7
626	Management of Kinetic and Electric Energy in Heavy Trucks. <b>2010</b> , 3, 1152-1163		19
625	Optimal Energy Management in Hybrid Electric Trucks Using Route Information. <b>2010</b> , 65, 103-113		27
624	Online optimal control of a parallel hybrid with after-treatment constraint integration. <b>2010</b> ,		20
623	Hydraulic Hybrid Propulsion for Heavy Vehicles: Combining the Simulation and Engine-In-the-Loop Techniques to Maximize the Fuel Economy and Emission Benefits. <b>2010</b> , 65, 155-178		58
622	Open-loop feedback control under multiple disturbance function hypotheses. <b>2010</b> ,		3
621	Constant SOC control of a series Hybrid Electric Vehicle with long driving range. <b>2010</b> ,		5

620	Drive cycle generation for stochastic optimization of energy management controller for hybrid vehicles. <b>2010,</b>		17
619	Nonlinear Model Predictive Control for power-split Hybrid Electric Vehicles. <b>2010,</b>		27
618	A series-parallel hybrid electric powertrain for industrial vehicles. <b>2010,</b>		22
617	Toward analytical solution of optimal control problems for HEV energy management. <b>2010,</b>		2
616	Torque-Assist Hybrid Electric Powertrain Sizing: From Optimal Control Towards a Sizing Law. <i>IEEE Transactions on Control Systems Technology</i> , <b>2010</b> , 18, 837-849	4.8	57
615	An optimal fuzzy logic power sharing strategy for Parallel Hybrid Electric Vehicles. <b>2010,</b>		12
614	Energy control for Plug-In HEV with ultracapacitors lithium-ion batteries storage system for FIA Alternative Energy Cup Race. <b>2010,</b>		8
613	On the integration of optimal energy management and thermal management of hybrid electric vehicles. <b>2010,</b>		29
612	Optimal control of hybrid electric vehicles with power split and torque split strategies: A comparative case study. <b>2011,</b>		2
611	. <b>2011,</b>		4
610	Evaluation of the Use of Quality Attribute Scenarios in a Plug-In Hybrid Electric Vehicle Controls System - Industrial Case Study. <b>2011,</b>		1
609	Integrated optimization of the powermanagement system of a hybrid electric powertrain system. <b>2011,</b>		1
608	Predictive control for Plug-in Microturbine powered Hybrid Electric Vehicles using telemetry information. <b>2011,</b>		3
607	Real-time control schemes for hybrid vehicle. <b>2011,</b>		1
606	Switch Systems Theory Apply to the Energy Control of a Hybrid Electric Vehicle. <b>2011,</b>		1
605	Optimal Control of Hybrid Electric Vehicles Based on Pontryagin's Minimum Principle. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> , 19, 1279-1287	4.8	464
604	Contextual on-board learning and prediction of vehicle destinations. <b>2011,</b>		7
603	Ultracapacitor Assisted Powertrains: Modeling, Control, Sizing, and the Impact on Fuel Economy. <i>IEEE Transactions on Control Systems Technology</i> , <b>2011</b> , 19, 576-589	4.8	74

602	Predictive gear shift control for a parallel Hybrid Electric Vehicle. <b>2011</b> ,		18
601	A heuristic power management strategy for plug-in hybrid electric vehicles. <b>2011</b> ,		0
600	Development of an Energy Management Strategy for Plug-in Series Hybrid Electric Vehicle Based on the Prediction of the Future Driving Cycles by ICT Technologies and Optimized Maps. <b>2011</b> ,		3
599	Self-Learning Neural Controller for Hybrid Power Management Using Neuro-Dynamic Programming. <b>2011</b> ,		13
598	Development of a Control Strategy for Complex Light-Duty Diesel-Hybrid Powertrains. <b>2011</b> ,		9
597	Future Engine Control Enabling Environment Friendly Vehicle. <b>2011</b> ,		3
596	0D-1D Coupling for an Integrated Fuel Economy Control Strategy for a Hybrid Electric Bus. <b>2011</b> ,		4
595	Optimal Trajectories for Vehicles with Energy Recovery Options*. <b>2011</b> , 44, 3831-3836		11
594	Improving micro hybrid vehicles performances with the Maximum Principle. <b>2011</b> , 44, 9727-9732		1
593	Converting Conventional Cars in Mild Hybrid Solar Vehicles. <b>2011</b> , 44, 9715-9720		5
592	Optimal drive of electric vehicles using an inversion-based trajectory generation approach. <b>2011</b> , 44, 14519-14526		44
591	A jump condition of PMP-based control for PHEVs. <b>2011</b> , 196, 10380-10386		58
590	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
589	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2011</b> , 60, 4238-4248	6.8	88
588	Supervisory control of hybrid powertrains: An experimental benchmark of offline optimization and online energy management. <b>2011</b> , 19, 1253-1265		55
587	Analysis of a rule-based control strategy for on-board energy management of series hybrid vehicles. <b>2011</b> , 19, 1433-1441		80
586	Infantry mobility hybrid electric vehicle performance analysis and design. <i>Applied Energy</i> , <b>2011</b> , 88, 2641-2652		12
585	Fuel cell/battery passive hybrid power source for electric powertrains. <b>2011</b> , 196, 5867-5872		41

584	Engine power smoothing energy management strategy for a series hybrid electric vehicle. <b>2011,</b>	15
583	Real-time energy management and sensitivity study for hybrid electric vehicles. <b>2011,</b>	25
582	Energy management strategy for Diesel hybrid electric vehicle. <b>2011,</b>	19
581	Constrained actuator coordination by virtual state governing. <b>2011,</b>	5
580	Fuel economy analysis of a parallel hybrid bus using the optimal control theory. <b>2011,</b>	1
579	Optimal energy management of hybrid electric vehicles including battery aging. <b>2011,</b>	95
578	Analyzing the performance index for a Hybrid Electric Vehicle. <b>2011,</b>	2
577	Optimal transient control of power generation in hybrid construction equipment. <b>2011,</b>	1
576	Supervisory Control of Parallel Hybrid Electric Vehicles for Fuel and Emission Reduction. <b>2011, 133,</b>	65
575	A Comparative Analysis of Energy Management Strategies for Hybrid Electric Vehicles. <b>2011, 133,</b>	265
574	Hybrid powertrain control with a rapid prototyping research platform. <b>2011,</b>	1
573	Optimal catalyst temperature management of Plug-in Hybrid Electric Vehicles. <b>2011,</b>	1
572	A Comprehensive Overview of Hybrid Electric Vehicles. <b>2011, 2011, 1-7</b>	26
571	Development of a real-time clutch transition strategy for a parallel hybrid electric vehicle. <b>2012,</b> 226, 188-203	13
570	Combined Optimal Sizing and Control for a Hybrid Tracked Vehicle. <i>Energies</i> , <b>2012, 5,</b> 4697-4710	3.1 44
569	Optimal Sizing and Control Strategy Design for Heavy Hybrid Electric Truck. <b>2012, 2012, 1-15</b>	9
568	Model predictive real-time controller for a low-consumption electric vehicle. <b>2012,</b>	0
567	Smart vehicle powernet enabling complete vehicle energy management. <b>2012,</b>	14

566	SDP-based extremum seeking energy management strategy for a power-split hybrid electric vehicle. <b>2012,</b>		5
565	Concurrent design of energy management and vehicle stability algorithms for a parallel hybrid vehicle using Dynamic Programming. <b>2012,</b>		1
564	Electric vehicle travel optimization-customer satisfaction despite resource constraints. <b>2012,</b>		6
563	Extending Energy Management in Hybrid Electric Vehicles with explicit control of gear shifting and start-stop. <b>2012,</b>		7
562	MLD-based predictive control of energy management for hybrid electric bus. <b>2012,</b>		1
561	Optimal sizing and control strategy design for heavy hybrid electric truck. <b>2012,</b>		
560	Sufficient conditions of optimal control based on Pontryagin's minimum principle for use in hybrid electric vehicles. <b>2012,</b> 226, 1160-1170		59
559	An Energy Management Controller to Optimally Trade Off Fuel Economy and Drivability for Hybrid Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012,</b> 20, 1490-1505	4.8	116
558	Development of energy management strategy for plug-in hybrid city bus. <b>2012,</b>		5
557	Integrated energy and thermal management for hybrid electric heavy duty trucks. <b>2012,</b>		12
556	Optimal Operation of a Turbocharged Diesel Engine during Transients. <b>2012,</b> 5, 571-578		18
555	Optimal Energy Management and Sizing for Hybrid Electric Vehicles Considering Transient Emissions. <b>2012,</b> 45, 278-285		8
554	A Data-driven Online Identification and Control Optimization Approach applied to a Hybrid Electric Powertrain System. <b>2012,</b> 45, 153-158		6
553	Study of the effect of adverse external conditions on electric vehicles control: adaptive energy management as a solution. <b>2012,</b> 45, 460-465		1
552	A Virtual Sensor for Predicting Diesel Engine Emissions from Cylinder Pressure Data. <b>2012,</b> 45, 424-431		9
551	Fuel potential and prediction sensitivity of a power-split CVT in a wheel loader. <b>2012,</b> 45, 49-56		1
550	Physical and experimental modeling of turbochargers with thermodynamic approach for calculation of virtual sensors. <b>2012,</b> 45, 247-254		1
549	Optimal energy management compliant with online requirements for an electric vehicle in eco-driving applications*. <b>2012,</b> 45, 334-340		8



548	Fuel Parameters Estimation and Control Adaptation for Spark-ignition Engine. <b>2012</b> , 45, 9-16		1
547	Route Preview in Energy Management of Plug-in Hybrid Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 546-553	4.8	142
546	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 3544-3552	6.8	128
545	Two-Layer Energy-Management Architecture for a Fuel Cell HEV Using Road Trip Information. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 3851-3864	6.8	32
544	A cost-effective radar system for automotive powertrain control applications. <b>2012</b> ,		3
543	Hybrid electric vehicles challenges: Strategies for advanced engine speed control. <b>2012</b> ,		1
542	. <b>2012</b> ,		9
541	Cloud-computing based velocity profile generation for minimum fuel consumption: A dynamic programming based solution. <b>2012</b> ,		27
540	On the use of stochastic dynamic programming for evaluating a power-split CVT in a wheel loader. <b>2012</b> ,		
539	Development of a retrofit split-axle parallel hybrid electric vehicle with in-wheel motors. <b>2012</b> ,		1
538	Control of a variable ratio gearbox and mechanical brake to maximize wind energy production. <b>2012</b> ,		
537	Adapted optimal energy management strategy for drivability. <b>2012</b> ,		5
536	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 3553-3565	6.8	26
535	MPC-Based Energy Management of a Power-Split Hybrid Electric Vehicle. <i>IEEE Transactions on Control Systems Technology</i> , <b>2012</b> , 20, 593-603	4.8	423
534	Power-balancing instantaneous optimization energy management for a novel series-parallel hybrid electric bus. <b>2012</b> , 25, 1161-1170		30
533	Technology Assessment of Plugin Hybrid Electric Vehicles with Respect to Energy Demand and CO2 Emissions. <b>2012</b> , 48, 2415-2421		
532	WIDE-MOB: An Efficient and Safe Multiuse Urban Electrical Vehicle. <b>2012</b> , 48, 3591-3598		
531	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2012</b> , 61, 3531-3543	6.8	86

530	Optimization of the powerflow control of a hybrid electric powertrain including load profile prediction. <b>2012,</b>	5
529	An optimal regulation strategy for energy management of hybrid electric vehicles. <b>2012,</b>	7
528	Ant colony optimization applied to optimal energy management of fuel cell hybrid electric vehicle. <b>2012,</b>	1
527	The role and use of robust multivariable control in hybrid electric vehicle energy management - Part I: An overview. <b>2012,</b>	1
526	The Flexible EV/HEV and SOC Band Control Corresponding to Driving Mode, Driver's Driving Style and Environmental Circumstances. <b>2012,</b>	0
525	Assessing the Regeneration Potential for a Refuse Truck Over a Real-World Duty Cycle. <b>2012, 5, 364-370</b>	3
524	Frequency Domain Power Distribution Strategy for Series Hybrid Electric Vehicles. <b>2012, 1, 208-218</b>	12
523	Scuderi Split Cycle Engine: Air Hybrid Vehicle Powertrain Simulation Study. <b>2012,</b>	4
522	A Framework for Simulation-Based Development and Calibration of VCU-Functions for Advanced PHEV Powertrains. <b>2012,</b>	1
521	Performance Comparison of Engine Down-Sized to High Efficiency ICEs in Optimized Hybrid Vehicles. <b>2012,</b>	0
520	Driving Pattern Recognition for Adaptive Hybrid Vehicle Control. <b>2012, 1, 169-179</b>	15
519	Optimal Control Strategy for PHEVs Using Prediction of Future Driving Schedule. <b>2012, 5, 149-158</b>	5
518	Development of a Hybrid Control Strategy for an Advanced Parallel HEV Powertrain with Two Electrical Axles. <b>2012,</b>	
517	GreenZone Driving for Plug In Hybrid Electric Vehicles. <b>2012,</b>	0
516	Split-parallel in-wheel-motor retrofit hybrid electric vehicle. <b>2012,</b>	13
515	Simulation and control of hybrid electric vehicles. <b>2012, 10, 308-316</b>	5
514	Predictive energy management for hybrid vehicle. <b>2012, 20, 408-420</b>	85
513	Design, implementation, and experimental validation of optimal power split control for hybrid electric trucks. <b>2012, 20, 547-558</b>	36

512	Component sizing of a plug-in hybrid electric powertrain via convex optimization. <b>2012</b> , 22, 106-120		158
511	Influence of driving patterns on life cycle cost and emissions of hybrid and plug-in electric vehicle powertrains. <b>2013</b> , 60, 445-461		151
510	Development of telemetry data processing program. <b>2013</b> ,		
509	Drive Cycle Generation for Design Optimization of Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 89-97	6.8	65
508	Drive Cycle Prediction and Energy Management Optimization for Hybrid Hydraulic Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2013</b> , 62, 3581-3592	6.8	79
507	Optimal control of the transient emissions and the fuel efficiency of a diesel hybrid electric vehicle. <b>2013</b> , 227, 1546-1561		14
506	Determination of the adjoint state evolution for the efficient operation of a hybrid electric vehicle. <b>2013</b> , 57, 2257-2266		5
505	Configuration analysis of plug-in hybrid systems using global optimization. <b>2013</b> ,		3
504	An iterative dynamic programming approach for the global optimal control of hybrid electric vehicles under real-time constraints. <b>2013</b> ,		11
503	Power Smoothing Energy Management and Its Application to a Series Hybrid Powertrain. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 2091-2103	4.8	74
502	Development of an optimal strategy for the energy management of a range-extended electric vehicle with additional noise, vibration and harshness constraints. <b>2013</b> , 227, 4-16		21
501	Influence of Motor Power and Efficiency on Fuel Consumption of Retrofit-Conversion Split-Parallel Hybrid Electric Vehicle. <b>2013</b> ,		5
500	. <b>2013</b> ,		13
499	Fuel efficiency improvement in HEVs using electromechanical brake system. <b>2013</b> ,		4
498	Optimal Energy and Catalyst Temperature Management of Plug-in Hybrid Electric Vehicles for Minimum Fuel Consumption and Tail-Pipe Emissions. <i>IEEE Transactions on Control Systems Technology</i> , <b>2013</b> , 21, 14-26	4.8	62
497	Fuel cell Plug-in Hybrid Electric Vehicle anticipatory and real-time blended-mode energy management for battery life preservation. <b>2013</b> , 221, 406-418		53
496	Optimal power management for fuel cell battery full hybrid powertrain on a test station. <b>2013</b> , 53, 307-320		39
495	Research on a diesel HCCI engine assisted by an ISG motor. <i>Applied Energy</i> , <b>2013</b> , 101, 718-729	10.7	21

494	Real time implementation of an optimal power management Strategy for a Plug-in Hybrid Electric Vehicle. <b>2013</b> ,		4
493	A real-time capable enhanced dynamic programming approach for predictive optimal cruise control in hybrid electric vehicles. <b>2013</b> ,		10
492	Real-Time Implementation and Hardware Testing of a Hybrid Vehicle Energy Management Controller Based on Stochastic Dynamic Programming. <b>2013</b> , 135,		45
491	Impact of Component Sizing in Plug-In Hybrid Electric Vehicles for Energy Resource and Greenhouse Emissions Reduction1. <b>2013</b> , 135,		21
490	Research on optimal control method of hybrid electric vehicles. <b>2013</b> , 89, 1137-1146		4
489	Multiple-Objective Optimal Control of Hybrid Electric Vehicle. <b>2013</b> , 753-755, 1659-1664		
488	Comparative Study of Dynamic Programming and Pontryagin's Minimum Principle on Energy Management for a Parallel Hybrid Electric Vehicle. <i>Energies</i> , <b>2013</b> , 6, 2305-2318	3.1	153
487	Hybrid Electric Vehicle Energy Management and Control Based on Battery Energy Balance. <b>2013</b> , 273, 764-767		
486	Controller Design for ISG Hybrid Electric Vehicle Based on SAE J1939 Protocol. <b>2013</b> , 347-350, 869-872		
485	A branch and bound approach for minimizing the energy consumption of an electrical vehicle. <b>2013</b> ,		
484	. <b>2013</b> ,		1
483	Optimal Energy Control Strategy Design for a Hybrid Electric Vehicle. <b>2013</b> , 2013, 1-8		22
482	Benefits of a Double Parallel 4-Wheel-Drive HEV for Different Driving Cycles. <b>2013</b> ,		0
481	Stochastic optimal control for series hybrid electric vehicles. <b>2013</b> ,		15
480	On-line energy and Battery Thermal Management for hybrid electric heavy-duty truck. <b>2013</b> ,		10
479	Recasting the HEV energy management problem into an infinite-time optimization problem including stability. <b>2013</b> ,		5
478	Driving cycle and road grade on-board predictions for the optimal energy management in EV-PHEVs. <b>2013</b> ,		15
477	A Battery Management System using Nonlinear Model Predictive Control for a Hybrid Electric Vehicle. <b>2013</b> , 46, 301-306		14

476	Toward the Development of a Through-The-Road Solar Hybridized Vehicle. <b>2013</b> , 46, 806-811	8
475	Improvement of Fuel Efficiency and Drivability Using Simple Prediction for Gear Changing. <b>2013</b> , 46, 518-523	2
474	An active energy management system for light two-wheeled electric vehicles. <b>2013</b> , 46, 213-218	0
473	On the Tuning of Predictive Controllers for Hybrid Fuel Cell Vehicle Applications. <b>2013</b> , 46, 129-134	2
472	MPC for a low consumption electric vehicle with time-varying constraints * *This work has been supported by CPER Région Lorraine (AOC Project), Fédération Charles Hermite, ESSTIN and INRIA. Third author partially supported by ANR GCM, contract number NT-504590 and ERC StG number 239748. The authors thank the students and the teaching staff of EcoMotion-Team of ESSTIN for	0
471	Know Your Options Interfacing Consequences and Forecasted Performance Analysis: A Concept for the Novel Type of Information System KYO-ICPA. <b>2013</b> , 46, 218-225	1
470	Adaptive Energy Management Strategy Calibration in PHEVs Based on a Sensitivity Study. <b>2013</b> , 2, 443-455	25
469	Analysis and Experimental Implementation of a Heuristic Strategy for Onboard Energy Management of a Hybrid Solar Vehicle. <b>2013</b> , 68, 13-22	
468	Open Issues in Supervisory Control of Hybrid Electric Vehicles: A Unified Approach Using Optimal Control Methods. <b>2013</b> , 68, 23-33	37
467	Optimal Energy Management for a mechanical-hybrid vehicle with cold start conditions. <b>2013</b> ,	2
466	Driver Intention Analysis for a Through-the-Road Solar Hybridized Car. <b>2013</b> ,	2
465	Optimization of Gear Shifting and Torque Split for Improved Fuel Efficiency and Drivability of HEVs. <b>2013</b> ,	5
464	Vehicle Modeling and Evaluation of the Engine Options in Conventional and Mild-Hybrid Powertrain. <b>2013</b> ,	1
463	Real-Time Optimal Energy Management of Heavy Duty Hybrid Electric Vehicles. <b>2013</b> , 2, 369-378	1
462	Battery Management Using Model Predictive Control for a Plug-In Hybrid Electric Vehicle. <b>2014</b> , 7, 304-312	3
461	Performance of an Eco-Driving Nonlinear MPC System for a Power-Split HEV during Car Following. <b>2014</b> , 7, 55-62	8
460	Design and implementation of a real-time power management strategy for a parallel hybrid electric bus. <b>2014</b> , 228, 1581-1598	9
459	Evolving look ahead controllers for energy optimal driving and path planning. <b>2014</b> ,	

458	Energy Management for Hybrid Electric Tractors Combining Load Point Shifting, Regeneration and Boost. <b>2014,</b>		5
457	A comprehensive study of electric propulsion system for vehicular application. <b>2014, 6, 022701</b>		2
456	. <b>2014, 15, 2491-2505</b>		164
455	Development of an Intelligent Cruise Control Using Optimal Control Methods. <b>2014, 15, 285-294</b>		8
454	Predictive control of the engine cooling system for fuel efficiency improvement. <b>2014,</b>		6
453	Real-time control for a parallel hybrid electric vehicle based on Pontryagin's Minimum Principle. <b>2014,</b>		2
452	Performance of a Nonlinear Real-Time Optimal Control System for HEVs/PHEVs during Car Following. <b>2014, 2014, 1-14</b>		9
451	Equivalent Consumption Minimization Strategy for the Control of Real Driving NOx Emissions of a Diesel Hybrid Electric Vehicle. <i>Energies</i> , <b>2014, 7, 3148-3178</b>	3.1	69
450	An Equivalent Emission Minimization Strategy for Causal Optimal Control of Diesel Engines. <i>Energies</i> , <b>2014, 7, 1230-1250</b>	3.1	16
449	Review and Comparison of Power Management Approaches for Hybrid Vehicles with Focus on Hydraulic Drives. <i>Energies</i> , <b>2014, 7, 3512-3536</b>	3.1	37
448	Convex Optimization for the Energy Management of Hybrid Electric Vehicles Considering Engine Start and Gearshift Costs. <i>Energies</i> , <b>2014, 7, 834-856</b>	3.1	123
447	An Optimal Energetic Approach for Systemic Design of Hybrid Powertrain. <b>2014,</b>		1
446	Dual-mode hybrid vehicle neurocontrol. <b>2014,</b>		
445	Game-Theoretic Approach for Complete Vehicle Energy Management. <b>2014,</b>		11
444	Comparison of Velocity Forecasting Strategies for Predictive Control in HEVs. <b>2014,</b>		11
443	A dual decomposition approach to complete energy management for a heavy-duty vehicle. <b>2014,</b>		7
442	Integrated Online Energy and Battery Life Management for Hybrid Long Haulage Truck. <b>2014,</b>		1
441	Driver Modeling for Heavy Hybrid Vehicle Energy Management. <b>2014,</b>		2

440	Efficiency-based control strategy of dual-mode hybrid vehicle. <b>2014,</b>		1
439	Energy and power management in a series Hybrid Electric Vehicle using Selective Evolutionary Generation. <b>2014,</b>		1
438	Fuel consumption optimization for a power-split HEV via gain-scheduled model predictive control. <b>2014,</b>		1
437	Modelling driving behaviour and its impact on the energy management problem in hybrid electric vehicles. <b>2014,</b> 91, 147-156		19
436	On-line energy distribution for hybrid electric vehicles using optimal power-split-ratio. <b>2014,</b>		1
435	Modeling and control for the Toyota Prius under consideration of emissions reduction. <b>2014,</b>		1
434	A Review of Optimal Energy Management Strategies for Hybrid Electric Vehicle. <b>2014,</b> 2014, 1-19		86
433	Game Theory Controller for Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology,</i> <b>2014,</b> 22, 652-663	4.8	95
432	A stochastic method for the energy management in hybrid electric vehicles. <b>2014,</b> 29, 257-265		33
431	Insight into the HEV/PHEV optimal control solution based on a new tuning method. <b>2014,</b> 29, 247-256		17
430	Stochastic MPC With Learning for Driver-Predictive Vehicle Control and its Application to HEV Energy Management. <i>IEEE Transactions on Control Systems Technology,</i> <b>2014,</b> 22, 1018-1031	4.8	248
429	Development of PMP-based power management strategy for a parallel hybrid electric bus. <b>2014,</b> 15, 345-353		21
428	. <i>IEEE Transactions on Vehicular Technology,</i> <b>2014,</b> 63, 1555-1566	6.8	13
427	Approximate Pontryagin's minimum principle applied to the energy management of plug-in hybrid electric vehicles. <i>Applied Energy,</i> <b>2014,</b> 115, 174-189	10.7	198
426	Enhanced fuel cell hybrid electric vehicle power sharing method based on fuel cost and mass estimation. <b>2014,</b> 248, 668-678		24
425	A control benchmark on the energy management of a plug-in hybrid electric vehicle. <b>2014,</b> 29, 287-298		81
424	Optimal energy management in a dual-storage fuel-cell hybrid vehicle using multi-dimensional dynamic programming. <b>2014,</b> 250, 359-371		110
423	An optimal regulation strategy with disturbance rejection for energy management of hybrid electric vehicles. <b>2014,</b> 50, 128-140		28

422	Hybrid drive train technologies for vehicles. <b>2014</b> , 567-581		2
421	Engine On/Off Control for the Energy Management of a Serial Hybrid Electric Bus via Convex Optimization. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 3549-3559	6.8	86
420	Optimal energy management of a series hybrid vehicle with combined fuel economy and low-emission objectives. <b>2014</b> , 228, 1424-1439		30
419	Evolution of optimal control for energy-efficient transport. <b>2014</b> ,		5
418	Rule-Based Control Strategy With Novel Parameters Optimization Using NSGA-II for Power-Split PHEV Operation Cost Minimization. <i>IEEE Transactions on Vehicular Technology</i> , <b>2014</b> , 63, 3051-3061	6.8	46
417	. <b>2014</b> , 15, 1869-1885		139
416	High order sliding mode control for hybrid vehicle stability. <b>2014</b> , 45, 1202-1212		18
415	Optimal control based algorithms for energy management of automotive power systems with battery/supercapacitor storage devices. <b>2014</b> , 87, 410-420		48
414	. <b>2014</b> , 15, 1145-1154		59
413	A Branch and Bound algorithm for minimizing the energy consumption of an electrical vehicle. <b>2014</b> , 12, 261-283		4
412	Energy management strategy for hybrid electric vehicle based on system efficiency and battery life optimization. <b>2014</b> , 19, 269-276		3
411	Electric propulsion system for electric vehicular technology: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2014</b> , 29, 924-940	16.2	92
410	Fuel Efficiency Analysis for Simultaneous Optimization of the Velocity Trajectory and the Energy Management in Hybrid Electric Vehicles. <b>2014</b> , 47, 6612-6617		32
409	Numerical optimal control as a method to evaluate the benefit of thermal management in hybrid electric vehicles. <b>2014</b> , 47, 4807-4812		6
408	Adaptive ECMS: a Causal Set-theoretic Method for Equivalence Factor Estimation. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 78-85	0.7	7
407	Model Predictive Energy Management for a Range Extender Hybrid Vehicle using Map Information. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 263-270	0.7	14
406	Combined Design and Control Optimization of Hybrid Vehicles. <b>2015</b> , 1-14		6
405	Bewertender Überblick von Methoden zur Antriebsstrangsteuerung in Hybrid- und Elektrofahrzeugen. <b>2015</b> , 10, 66-71		2



404	A cost effective and optimal energy management strategy for hybrid electric vehicles (HEV) based on emission analysis. <b>2015,</b>		1
403	Actuator management for ECRH at ASDEX Upgrade. <b>2015,</b> 96-97, 694-697		10
402	Energy management of hybrid electric powertrain using predictive trajectory planning based on direct optimal control. <i>IFAC-PapersOnLine</i> , <b>2015,</b> 48, 236-241	0.7	3
401	Map-Based Power-Split Strategy Design with Predictive Performance Optimization for Parallel Hybrid Electric Vehicles. <i>Energies</i> , <b>2015,</b> 8, 9946-9968	3.1	10
400	Energy Management Strategies for Diesel Hybrid Electric Vehicle. <b>2015,</b> 70, 125-141		13
399	A New Approach to an Adaptive and Predictive Operation Strategy for PHEVs. <b>2015,</b>		2
398	Predictive Control of a Power-Split HEV with Fuel Consumption and SOC Estimation. <b>2015,</b>		8
397	Model Predictive Control for Connected Hybrid Electric Vehicles. <b>2015,</b> 2015, 1-15		15
396	A DCT-Based Driving Cycle Generation Method and Its Application for Electric Vehicles. <b>2015,</b> 2015, 1-13		2
395	Energy Management of Hybrid Electric Vehicles: 15 years of development at the Ohio State University. <b>2015,</b> 70, 41-54		27
394	Automated Engine Calibration of Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015,</b> 23, 1063-1074	4.8	9
393	Predictive energy management of hybrid long-haul trucks. <b>2015,</b> 41, 83-97		58
392	. <b>2015,</b> 20, 3085-3097		23
391	Predictive control of a diesel electric wheel loader powertrain. <b>2015,</b> 41, 47-56		18
390	Model Based Route Guidance for Hybrid and Electric Vehicles. <b>2015,</b>		4
389	Online adaptive approach for a game-theoretic strategy for Complete Vehicle Energy Management. <b>2015,</b>		3
388	Adaptive Optimisation-Based Strategy of a Battery/Supercapacitor System for EV. <b>2015,</b>		3
387	. <b>2015,</b>		3

386	Optimal energy management in series hybrid electric bicycles. <b>2015,</b>		10
385	Model predictive control of plug-in hybrid electric vehicles using for commuting. <b>2015,</b>		
384	Convex relaxations in the optimal control of electrified vehicles. <b>2015,</b>		29
383	An energy management strategy for hybrid electric bus based on reinforcement learning. <b>2015,</b>		11
382	Dual-loop Control of Free Piston Engine Generator. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 174-180	0.7	7
381	An Optimal Energy Management System for Battery Electric Vehicles. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 86-90.7		18
380	Design and Energetic Evaluation of a Mobile Photovoltaic Roof for Cars. <b>2015</b> , 81, 182-192		6
379	A Hybrid Traffic Simulation Framework for Evaluating Predictive ICT Approaches in Modern Vehicles. <b>2015,</b>		
378	Design and development of split-parallel through-the road retrofit hybrid electric vehicle with in-wheel motors. <b>2015</b> , 100, 012039		2
377	Predictive Energy Management of Range-Extended Electric Vehicles Considering Cabin Heat Demand and Acoustics. <i>IFAC-PapersOnLine</i> , <b>2015</b> , 48, 209-216	0.7	4
376	Extension of a linear optimal control strategy for HEV. <b>2015,</b>		4
375	An Evaluated Review of Powertrain Control Strategies for Hybrid Electrical Vehicles. <b>2015</b> , 10, 46-51		3
374	Efficient upper and lower bounds for global mixed-integer optimal control. <b>2015</b> , 61, 721-743		14
373	Central Electric-Motoring-Assisted Handling Control System for Electrified Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 912-925	6.8	2
372	Nonlinear model predictive energy management controller with load and cycle prediction for non-road HEV. <b>2015</b> , 36, 120-132		20
371	Analytic Solutions to the Dynamic Programming Subproblem in Hybrid Vehicle Energy Management. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 1458-1467	6.8	65
370	Energy Management Design in Hybrid Electric Vehicles: A Novel Optimality and Stability Framework. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 1307-1322	4.8	20
369	Research on the optimal power management strategy for a hybrid electric bus. <b>2015</b> , 229, 1529-1542		8

368	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 670-678	4.8	5
367	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 1075-1086	4.8	185
366	Performance analysis of a novel coaxial power-split hybrid powertrain using a CNG engine and supercapacitors. <i>Applied Energy</i> , <b>2015</b> , 157, 595-606	10.7	35
365	Velocity Predictors for Predictive Energy Management in Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 1197-1204	4.8	281
364	Power Management for Electric Tugboats Through Operating Load Estimation. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015</b> , 23, 2375-2382	4.8	37
363	Power management strategy of hybrid electric vehicles based on particle swarm optimization. <b>2015</b> ,		1
362	The role of alternative fuel vehicles: Using behavioral and sensor data to model hierarchies in travel. <b>2015</b> , 55, 379-392		26
361	A comprehensive analysis of energy management strategies for hybrid electric vehicles based on bibliometrics. <i>Renewable and Sustainable Energy Reviews</i> , <b>2015</b> , 48, 88-104	16.2	192
360	Can propulsion and fuel diversity for the bus fleet achieve the win-win strategy of energy conservation and environmental protection?. <i>Applied Energy</i> , <b>2015</b> , 147, 92-103	10.7	60
359	Adaptive Pontryagin's Minimum Principle supervisory controller design for the plug-in hybrid GM Chevrolet Volt. <i>Applied Energy</i> , <b>2015</b> , 147, 224-234	10.7	161
358	Comparative Study of Energy Management Strategies for Hydraulic Hybrids. <b>2015</b> , 137,		7
357	Virtual serial strategy for parallel hybrid electric vehicles. <b>2015</b> , 229, 296-310		2
356	Hybrid electric vehicle modeling accuracy verification and global optimal control algorithm research. <b>2015</b> , 16, 513-524		12
355	A Supervisory Control Algorithm for a Series Hybrid Vehicle With Multiple Energy Sources. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015</b> , 64, 4942-4953	6.8	15
354	Optimisation-based control for electrified vehicles: challenges and opportunities. <b>2015</b> , 2, 46-63		11
353	Neural network and efficiency-based control for dual-mode hybrid electric vehicles. <b>2015</b> ,		1
352	Online Energy Management Strategy for Hybrid Electric Vehicle. <b>2015</b> ,		2
351	Integrating traffic velocity data into predictive energy management of plug-in hybrid electric vehicles. <b>2015</b> ,		17

350	Estimating energy consumption of a PHEV using vehicle and on-board navigation data. <b>2015,</b>		2
349	The lead-acid battery industry in China: outlook for production and recycling. <b>2015, 33, 986-94</b>		30
348	Long-Trip Optimal Energy Planning With Online Mass Estimation for Battery Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015, 64, 4929-4941</b>	6.8	13
347	A Supervisory Control Strategy for Plug-In Hybrid Electric Vehicles Based on Energy Demand Prediction and Route Preview. <i>IEEE Transactions on Vehicular Technology</i> , <b>2015, 64, 1691-1700</b>	6.8	106
346	Real-Time Energy Management for Diesel Heavy Duty Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2015, 23, 829-841</b>	4.8	59
345	Energy management of plug-in hybrid electric vehicles with unknown trip length. <b>2015, 352, 500-518</b>		23
344	Optimal Control of Engine Warmup in Hybrid Vehicles. <b>2016, 71, 14</b>		4
343	Determination of the Equivalent Consumption in Hybrid Electric Vehicles in the State-Constrained Case. <b>2016, 71, 30</b>		3
342	Optimization of Shift Schedule for Hybrid Electric Vehicle with Automated Manual Transmission. <i>Energies</i> , <b>2016, 9, 220</b>	3.1	19
341	Look-Ahead Information Based Optimization Strategy for Hybrid Electric Vehicles. <b>2016,</b>		3
340	Design and Optimization of the Power Management Strategy of an Electric Drive Tracked Vehicle. <b>2016, 2016, 1-13</b>		2
339	Research on the Multi-Energy Management Strategy of the Electric Drive System of a Tracked Bulldozer. <b>2016, 2016, 1-13</b>		2
338	Study on Power Switching Process of a Hybrid Electric Vehicle with In-Wheel Motors. <b>2016, 2016, 1-7</b>		2
337	Development and Simulation of a Type of Four-Shaft ECVT for a Hybrid Electric Vehicle. <i>Energies</i> , <b>2016, 9, 141</b>	3.1	5
336	Development of Near Optimal Rule-Based Control for Plug-In Hybrid Electric Vehicles Taking into Account Drivetrain Component Losses. <i>Energies</i> , <b>2016, 9, 420</b>	3.1	16
335	The Effect of Hill Planning and Route Type Identification Prediction Signal Quality on Hybrid Vehicle Fuel Economy. <b>2016,</b>		3
334	MPC-based tracking for real-time systems subject to time-varying polytopic constraints. <b>2016, 37, 708-729</b>		7
333	Model Predictive Control of Hybrid Electric Vehicles for Improved Fuel Economy. <b>2016, 18, 2122-2135</b>		13

332	Connected optimal predictive control for hybrid vehicles. <b>2016,</b>		
331	Optimization of hybrid electric vehicle control for efficient performance at critical energy levels. <b>2016,</b>		0
330	Comparative Estimation of Electric Vehicle Rolling Resistance Coefficient in Winter Conditions. <b>2016,</b>		3
329	Nonlinear MPC for supervisory control of hybrid electric vehicles. <b>2016,</b>		7
328	Explicit MPC PHEV energy management using Markov chain based predictor: Development and validation at Engine-In-The-Loop testbed. <b>2016,</b>		6
327	Optimal sizing of an electrical machine using a magnetic circuit model: application to a hybrid electrical vehicle. <b>2016, 6, 27-33</b>		17
326	Performance of an Eco-Driving Model Predictive Control System for HEVs during Car Following. <b>2016, 18, 16-28</b>		12
325	Reinforcement learning-based real-time energy management for a hybrid tracked vehicle. <i>Applied Energy</i> , <b>2016, 171, 372-382</b>	10.7	122
324	Review of Optimization Strategies for System-Level Design in Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016, 1-1</b>	6.8	96
323	Application of a modified thermostatic control strategy to parallel mild HEV for improving fuel economy in urban driving conditions. <b>2016, 17, 339-346</b>		4
322	Cooperative control for friction and regenerative braking systems considering dynamic characteristic and temperature condition. <b>2016, 17, 437-446</b>		10
321	Active regulation of battery charge-sustaining in ECMS: Application in energy management for engine waste heat recovery system. <b>2016, 17, 1055-1065</b>		2
320	Energy Efficient Control of the Air Compressor in a Serial Hybrid Bus based on Smart Data. <i>IFAC-PapersOnLine</i> , <b>2016, 49, 385-392</b>	0.7	1
319	Fuel optimal controller for hydrostatic drives and real-world experiments on a wheel loader. <b>2016, 17, 187-201</b>		8
318	An Energy Management Strategy to concurrently optimise fuel consumption & PEM fuel cell lifetime in a hybrid vehicle. <b>2016, 41, 21503-21515</b>		144
317	Online Optimizing Plug-In Hybrid Energy Management Strategy for Autonomous Guidance and Drive-aware Scenarios. <i>IFAC-PapersOnLine</i> , <b>2016, 49, 157-162</b>	0.7	
316	Design and Control Co-Optimization for Hybrid Powertrains: Development of Dedicated Optimal Energy Management Strategy. <i>IFAC-PapersOnLine</i> , <b>2016, 49, 277-284</b>	0.7	12
315	. <b>2016, 17, 3022-3034</b>		27

314	Robust equivalent consumption-based controllers for a dual-mode diesel parallel HEV. <b>2016</b> , 127, 124-139		14
313	A Specification Independent Control Strategy for Simultaneous Optimization of Fuel Cell Hybrid Vehicles Design and Energy Management. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 369-376	0.7	9
312	Uncertain route, destination, and traffic predictions in energy management for hybrid, plug-in, and fuel-cell vehicles. <b>2016</b> ,		4
311	Trip-oriented stochastic optimal energy management strategy for plug-in hybrid electric bus. <b>2016</b> , 115, 1259-1271		49
310	Quasi-optimal energy management of range extender buses in presence of changing traffic conditions. <b>2016</b> ,		0
309	Energy management optimisation for plug-in hybrid electric sports utility vehicle with consideration to battery characteristics. <b>2016</b> , 8, 122		1
308	Online MPC based PHEV Energy Management using conic interior-point methods. <b>2016</b> ,		1
307	Energy management of a plug-in fuel cell/battery hybrid vehicle with on-board fuel processing. <i>Applied Energy</i> , <b>2016</b> , 184, 140-154	10.7	59
306	Supervisory control of a heavy-duty diesel engine with an electrified waste heat recovery system. <b>2016</b> , 54, 190-201		24
305	Sufficient conditions for optimal energy management strategies of fuel cell hybrid electric vehicles based on Pontryagin's minimum principle. <b>2016</b> , 230, 202-214		12
304	Feasibility Assessment and Design Optimization of a Clutchless Multimode Parallel Hybrid Electric Powertrain. <b>2016</b> , 21, 774-786		18
303	Hierarchical control strategies for energy management of connected hybrid electric vehicles in urban roads. <b>2016</b> , 62, 70-86		84
302	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 4813-4825	6.8	32
301	Blended Rule-Based Energy Management for PHEV: System Structure and Strategy. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 8757-8762	6.8	56
300	Energy Efficient Non-Road Hybrid Electric Vehicles. <b>2016</b> ,		3
299	Cost of ownership-efficient hybrid electric vehicle powertrain sizing for multi-scenario driving cycles. <b>2016</b> , 230, 382-394		13
298	Least costly energy management for series hybrid electric vehicles. <b>2016</b> , 48, 37-51		13
297	. <b>2016</b> , 17, 1894-1909		44

296	Modeling and Control of a Hybrid Electric Vehicle With an Electrically Assisted Turbocharger. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 4344-4358	6.8	28
295	Robust speed control of hybrid electric vehicle using fractional order fuzzy PD and PI controllers in cascade control loop. <b>2016</b> , 353, 1713-1741		63
294	The Energy Management Problem in HEVs. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> , 31-40	0.4	3
293	Particle swarm optimization-based optimal power management of plug-in hybrid electric vehicles considering uncertain driving conditions. <b>2016</b> , 96, 197-208		166
292	Analytical Solution to Energy Management Guaranteeing Battery Life for Hybrid Trucks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 7956-7971	6.8	22
291	Optimal Control of Series Plug-In Hybrid Electric Vehicles Considering the Cabin Heat Demand. <i>IEEE Transactions on Control Systems Technology</i> , <b>2016</b> , 24, 1126-1133	4.8	20
290	Model predictive control for hybrid electric vehicle platooning using route information. <b>2016</b> , 230, 1273-1285		17
289	Trip-based SOC management for a plugin hybrid electric vehicle. <i>Applied Energy</i> , <b>2016</b> , 164, 891-905	10.7	28
288	Dynamic matrix control applied to emission control of a diesel engine. <b>2016</b> , 17, 556-575		7
287	Concurrent Design of Energy Management and Vehicle Traction Supervisory Control Algorithms for Parallel Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 555-565	6.8	11
286	Optimal control for integrated emission management in diesel engines. <b>2017</b> , 61, 206-216		22
285	Investigating adaptive-ECMS with velocity forecast ability for hybrid electric vehicles. <i>Applied Energy</i> , <b>2017</b> , 185, 1644-1653	10.7	175
284	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 4534-4549	6.8	391
283	Multi-objective optimization study of energy management strategy and economic analysis for a range-extended electric bus. <i>Applied Energy</i> , <b>2017</b> , 194, 798-807	10.7	34
282	Synthesis of Predictive Equivalent Consumption Minimization Strategy for Hybrid Electric Vehicles Based on Closed-Form Solution of Optimal Equivalence Factor. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 5604-5616	6.8	38
281	MPC-based energy management with adaptive Markov-chain prediction for a dual-mode hybrid electric vehicle. <i>Science China Technological Sciences</i> , <b>2017</b> , 60, 737-748	3.5	15
280	An energy management strategy based on stochastic model predictive control for plug-in hybrid electric buses. <i>Applied Energy</i> , <b>2017</b> , 196, 279-288	10.7	109
279	Adaptive Power-Split Control Design for Marine Hybrid Diesel Powertrain. <b>2017</b> , 139,		1

278	Electric vehicle charging in stochastic smart microgrid operation with fuel cell and RES units. <b>2017</b> , 42, 8242-8254		29
277	Time-optimal Control Policy for a Hybrid Electric Race Car. <i>IEEE Transactions on Control Systems Technology</i> , <b>2017</b> , 25, 1921-1934	4.8	21
276	MPC-based power management strategy for a series hybrid electric tracked bulldozer. <b>2017</b> ,		2
275	. <b>2017</b> , 22, 1497-1507		194
274	Optimal Routing for Plug-In Hybrid Electric Vehicles. <b>2017</b> , 51, 1304-1325		17
273	Model predictive control power management strategies for HEVs: A review. <b>2017</b> , 341, 91-106		286
272	Energy Control Strategy of HEB Based on the Instantaneous Optimization Algorithm. <b>2017</b> , 5, 19876-19888		6
271	Catch energy saving opportunity (CESO), an instantaneous optimal energy management strategy for series hybrid electric vehicles. <i>Applied Energy</i> , <b>2017</b> , 208, 655-665	10.7	23
270	Economic benefits from the coordinated control of Distributed Energy Resources and different Charging Technologies of Electric Vehicles in a Smart Microgrid. <b>2017</b> , 119, 417-425		9
269	Real-Time Control Algorithms for a Hybrid Electric Race Car Using a Two-Level Model Predictive Control Scheme. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 10911-10922	6.8	26
268	Optimization of power management among an engine, battery and ultra-capacitor for a series HEV: A dynamic programming application. <b>2017</b> , 18, 891-900		10
267	Model and energy management system for a parallel hybrid electric unmanned aerial vehicle. <b>2017</b> ,		16
266	Electrification of Heavy-Duty Construction Vehicles. <b>2017</b> , 1, 1-106		1
265	Real-time energy management controller design for a hybrid excavator using reinforcement learning. <b>2017</b> , 18, 855-870		10
264	Instantaneous Feedback Control for a Fuel-Prioritized Vehicle Cruising System on Highways With a Varying Slope. <b>2017</b> , 18, 1210-1220		36
263	Predictive planning of optimal velocity and state of charge trajectories for hybrid electric vehicles. <b>2017</b> , 61, 229-243		25
262	Hybrid Aeronautical Propulsion: Control and Energy Management. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 169-174	0.7	11
261	A Computationally Fast Iterative Dynamic Programming Method for Optimal Control of Loosely Coupled Dynamical Systems with Different Time Scales * *This work has been performed within the Combustion Engine Research Center at Chalmers (CERC) with financial support from the Swedish Energy Agency. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 5853-5860	0.7	1



260	Predictive Energy Management Strategy Including Traffic Flow Data for Hybrid Electric Vehicles. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 10046-10051	0.7	19
259	Automatic Evaluation and Optimization of Generic Hybrid Vehicle Topologies using Dynamic Programming. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 10065-10071	0.7	11
258	Handling State Constraints in Fast-computing Optimal Control for Hybrid Powertrains. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4781-4786	0.7	2
257	. <b>2017</b> ,		0
256	Energy management of a dual-mode power-split powertrain based on the Pontryagin's minimum principle. <b>2017</b> , 11, 561-571		10
255	Hybrid Electric Vehicle Battery Aging Estimation and Economic Analysis based on Equivalent Consumption Minimization Strategy. <b>2017</b> ,		8
254	Novel Shift Control without Clutch Slip in Hybrid Transmissions. <b>2017</b> ,		0
253	Influence of Fuel Type on the Pperformance of a Plug-In Fuel Cell/Battery Hybrid Vehicle with On-Board Fuel Processing. <b>2017</b> ,		3
252	A Global Optimal Energy Management System for Hybrid Electric off-road Vehicles. <b>2017</b> , 10, 524-531		5
251	Equivalent Consumption Minimization Strategy for Mild Hybrid Electric Vehicles with a Belt Driven Motor. <b>2017</b> ,		3
250	Investigation of Vehicle Speed Prediction from Neural Network Fit of Real World Driving Data for Improved Engine On/Off Control of the EcoCAR3 Hybrid Camaro. <b>2017</b> ,		10
249	Powerpack Design in S-HEV: Quantifying the Influence of Duty Cycles on Design and Fuel Economy. <b>2017</b> , 10, 144-149		
248	Control Strategy Optimization for Parallel Hybrid Electric Vehicles Using a Memetic Algorithm. <i>Energies</i> , <b>2017</b> , 10, 305	3.1	23
247	A Causal and Real-Time Capable Power Management Algorithm for Off-Highway Hybrid Propulsion Systems. <i>Energies</i> , <b>2017</b> , 10, 10	3.1	3
246	The Optimal Road Grade Design for Minimizing Ground Vehicle Energy Consumption. <i>Energies</i> , <b>2017</b> , 10, 700	3.1	5
245	Investigation of dynamic programming for optimization of hybrid drive trains. <b>2017</b> ,		1
244	Hybrid Modeling and Predictive Control of the Power Split and Gear Shift in Hybrid Electric Vehicles. <b>2017</b> ,		1
243	Geometric and numerical methods for a state constrained minimum time control problem of an electric vehicle. <b>2017</b> , 23, 1715-1749		2

242	Simulation of hybrid propulsion system using LSRG and single cylinder engine. <b>2017</b> , 93, 012050		
241	High-efficiency induction motor drives using type-2 fuzzy logic. <b>2018</b> , 133, 1		3
240	Computation of energy efficient driving speeds in conveying systems. <b>2018</b> , 66, 308-319		1
239	Cooperative energy management of electrified vehicles on hilly roads. <b>2018</b> , 73, 66-78		25
238	Energy Management of Hybrid Electric Vehicles. <b>2018</b> , 159-206		5
237	Analytical Optimal Solution to the Energy Management Problem in Series Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 6803-6813	6.8	17
236	An On-Line Energy Management Strategy Based on Trip Condition Prediction for Commuter Plug-In Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 3767-3781	6.8	23
235	Hierarchical Model Predictive Control for Parallel Hybrid Electrical Vehicles. <b>2018</b> , 20, 2331-2342		7
234	Time-optimal Control Strategies for a Hybrid Electric Race Car. <i>IEEE Transactions on Control Systems Technology</i> , <b>2018</b> , 26, 233-247	4.8	34
233	Evaluating a heart rate regulation system for human electric hybrid vehicles. <b>2018</b> , 232, 102-111		0
232	Predictive energy management for hybrid electric vehicles considering extension of the battery life. <b>2018</b> , 232, 499-510		3
231	Adaptive Fuzzy Logic Energy Management Strategy Based on Reasonable SOC Reference Curve for Online Control of Plug-in Hybrid Electric City Bus. <b>2018</b> , 19, 1607-1617		64
230	Technology Selection and Sizing of On-Board Energy Recovery Systems to Reduce Fuel Consumption of Diesel-Electric Mine Haul Trucks. <i>Green Energy and Technology</i> , <b>2018</b> , 301-333	0.6	3
229	Modeling for drivability and drivability improving control of HEV. <b>2018</b> , 70, 50-62		7
228	Optimal Hybrid Vehicle Energy Management and Active Damping of the Side-Shaft Oscillations. <b>2018</b> ,		
227	Emission constrained fuel optimal vehicle control with route lookahead. <b>2018</b> ,		3
226	Real-time energy management based on ECMS with stochastic optimized adaptive equivalence factor for HEVs. <b>2018</b> , 5, 1540027		7
225	Optimal Control Strategy for Series Hybrid Electric Vehicles in the Warm-Up Process. <i>Energies</i> , <b>2018</b> , 11, 1091	3.1	3

224	Equivalent Lap Time Minimization Strategies for a Hybrid Electric Race Car. <b>2018,</b>		7
223	Optimization of Control Variables and Design of Management Strategy for Hybrid Hydraulic Vehicle. <i>Energies</i> , <b>2018</b> , 11, 2838	3.1	4
222	Preliminary design of a hybrid electric powertrain for a earthmoving machine. <b>2018</b> , 148, 495-502		2
221	Two layer optimal vehicle control for known routes. <i>IFAC-PapersOnLine</i> , <b>2018</b> , 51, 246-251	0.7	
220	Increasing Fuel Efficiency of a Hybrid Electric Competition Car by a Binary Equivalent Consumption Minimization Strategy. <b>2018</b> ,		2
219	Least Costly Energy Management for Extended Range Electric Vehicles with Start-Up Characterization. <b>2018</b> ,		4
218	Optimal Energy Management in a Range Extender PHEV Using a Cascaded Dynamic Programming Approach. <b>2018</b> ,		2
217	A Real-Time Energy Management Strategy Based on Energy Prediction for Parallel Hybrid Electric Vehicles. <b>2018</b> , 6, 70313-70323		16
216	Model Predictive Control Based Energy Management of Power-Split Hybrid Electric Vehicles in Presence of Uncertainty. <b>2018</b> ,		1
215	Analysis and Control of Torque Split in Hybrid Electric Vehicles by Incorporating Powertrain Dynamics. <b>2018</b> , 140,		3
214	Optimization and Model Validation of Operation Control Strategies for a Novel Dual-Motor Coupling-Propulsion Pure Electric Vehicle. <i>Energies</i> , <b>2018</b> , 11, 754	3.1	11
213	Power Management and Control of HEV using Model Predictive Control. <b>2018</b> ,		1
212	A comprehensive review on hybrid power system for PEMFC-HEV: Issues and strategies. <b>2018</b> , 171, 1273-1291		128
211	V2V Communication Based Real-World Velocity Predictions for Improved HEV Fuel Economy. <b>2018</b> ,		11
210	Fuel Economy Analysis of Periodic Cruise Control Strategies for Power-Split HEVs at Medium and Low Speed. <b>2018</b> ,		
209	Application of Hybrid Drive System Modeling and Control for Tracked Vehicles. <b>2018</b> , 271-328		
208	Predictive Energy Management Strategies for Hybrid Electric Vehicles: Fuel Economy Improvement and Battery Capacity Sensitivity Analysis. <b>2018</b> ,		0
207	Effect of State of Charge Constraints on Fuel Economy and Battery Aging when Using the Equivalent Consumption Minimization Strategy. <b>2018</b> ,		3

206	Investigation of a Novel Coaxial Power-Split Hybrid Powertrain for Mining Trucks. <i>Energies</i> , <b>2018</b> , 11, 172	3.1	9
205	Ship energy management for hybrid propulsion and power supply with shore charging. <b>2018</b> , 76, 133-154		52
204	Integrated Energy and Catalyst Thermal Management for Plug-In Hybrid Electric Vehicles. <i>Energies</i> , <b>2018</b> , 11, 1761	3.1	9
203	Catch Energy Saving Opportunity in Charge-Depletion Mode, a Real-Time Controller for Plug-In Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2018</b> , 67, 11234-11237	6.8	21
202	ADMM for MPC with state and input constraints, and input nonlinearity. <b>2018</b> ,		2
201	Energy management for plug-in hybrid electric vehicles considering optimal engine ON/OFF control and fast state-of-charge trajectory planning. <b>2018</b> , 163, 457-474		22
200	Economic impact of V2G technology in a smart microgrid. <b>2018</b> ,		2
199	Optimization of a Dual-Motor Coupled Powertrain Energy Management Strategy for a Battery Electric Bus Based on Dynamic Programming Method. <b>2018</b> , 6, 32899-32909		22
198	Transient Effects in Simulations of Hybrid Electric Drivetrains. <b>2019</b> ,		2
197	Fuel consumption for various driving styles in conventional and hybrid electric vehicles: Integrating driving cycle predictions with fuel consumption optimization*. <b>2019</b> , 13, 123-137		18
196	Nonlinear model predictive energy management of hydrostatic drive transmissions. <b>2019</b> , 233, 335-347		1
195	Towards connected autonomous driving: review of use-cases. <b>2019</b> , 57, 779-814		51
194	A Novel Torque Distribution Strategy Based on Deep Recurrent Neural Network for Parallel Hybrid Electric Vehicle. <b>2019</b> , 7, 65174-65185		11
193	Minimum Lap Time Control of Hybrid Electric Race Cars in Qualifying Scenarios. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 7296-7308	6.8	10
192	Truncated Battery Power Following Strategy for Energy Management Control of Series Hybrid Electric Vehicles. <b>2019</b> ,		4
191	Adaptive optimal control based on driving style recognition for plug-in hybrid electric vehicle. <b>2019</b> , 186, 115824		36
190	Model Predictive Iterative Learning Control for Energy Management of Plug-In Hybrid Electric Vehicle. <b>2019</b> , 7, 71323-71334		11
189	Optimal Supervisory Control Strategy for a Transmission-Mounted Electric Drive Hybrid Electric Vehicle. <b>2019</b> , 20, 663-677		6

188	On Trajectory Optimization of an Electric Vehicle. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 249-260	0.9	1
187	Optimization of Acceleration Motion Trajectory of SHEV Based on Radau Pseudospectral Method. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 48-53	0.7	2
186	Improved Implementation of Dynamic Programming on the Example of Hybrid Electric Vehicle Control. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 147-152	0.7	9
185	A Predictive Supervisory Controller for an HEV Operating in a Zero Emission Zone. <b>2019</b> ,		1
184	Fast Optimal Energy Management With Engine On/Off Decisions for Plug-in Hybrid Electric Vehicles. <b>2019</b> , 3, 1074-1079		11
183	Energy Management of a Dual-Engine System for Hybrid Heavy-Duty Vehicles. <b>2019</b> ,		0
182	Modular ECMS Framework for Hybrid Vehicles. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 128-133	0.7	1
181	Projected Gradient and Model Predictive Control : Optimal Energy and Pollutants Management for Hybrid Electric Vehicle. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 121-127	0.7	3
180	Bus-to-Route and Route-to-Bus Approaches in Hybrid Electric Buses Fleet for Battery Lifetime Extension. <b>2019</b> ,		2
179	Implementation of Model Predictive Control into Closed-Loop Micro-Traffic Simulation for Connected Automated Vehicle. <i>IFAC-PapersOnLine</i> , <b>2019</b> , 52, 224-230	0.7	0
178	Real-time energy management for commute HEVs using modified A-ECMS with traffic information recognition. <b>2019</b> , 13, 729-737		12
177	L1 adaptive output-feedback control of multivariable nonlinear systems subject to constraints using online optimization. <b>2019</b> , 29, 4116		15
176	Integrated Energy and Thermal Management for Electrified Powertrains. <i>Energies</i> , <b>2019</b> , 12, 2058	3.1	8
175	Optimal Sizing of Storage Elements for a Vehicle Based on Fuel Cells, Supercapacitors, and Batteries. <i>Energies</i> , <b>2019</b> , 12, 925	3.1	14
174	Power Management and Energy Optimization in Hybrid Electric VehicleA Review. <b>2019</b> , 585-594		
173	Adaptive Energy Management Strategy for Plug-in Hybrid Electric Vehicles with PontryaginB Minimum Principle Based on Daily Driving Patterns. <b>2019</b> , 6, 539-548		26
172	Energy management and shifting stability control for a novel dual input clutchless transmission system. <b>2019</b> , 135, 298-321		12
171	Multi-Level Energy Management for Hybrid Electric VehiclesPart I. <b>2019</b> , 1, 3-40		10

170	Fuel consumption potential of different external combustion gas-turbine thermodynamic configurations for extended range electric vehicles. <b>2019</b> , 175, 900-913		8
169	Development of flexible procedures for co-optimizing design and control of fuel cell hybrid vehicles. <b>2019</b> , 185, 537-551		44
168	Online Implementation of Optimal Control with Receding Horizon for Eco-Driving of an Electric Vehicle. <b>2019</b> ,		1
167	Integrated optimization of Power Split, Engine Thermal Management, and Cabin Heating for Hybrid Electric Vehicles. <b>2019</b> ,		13
166	Real-time Ecological Velocity Planning for Plug-in Hybrid Vehicles with Partial Communication to Traffic Lights. <b>2019</b> ,		8
165	Evolution and Classification of Energy and Thermal Management Systems in Electrified Powertrains. <b>2019</b> ,		1
164	Optimal Routing and Energy Management Strategies for Plug-in Hybrid Electric Vehicles. <b>2019</b> ,		5
163	Hybrid Electric Vehicle Two-Step Fuel Efficiency Optimization With Decoupled Energy Management and Speed Control. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 11492-11504	6.8	8
162	Dynamic Programming Algorithm for Hybrid Powertrain Power Allocation. <b>2019</b> ,		1
161	Energy-Efficient Feedback Control Strategy of Vehicle Platoon on Highway with Varying Slopes. <b>2019</b> ,		
160	. <b>2019</b> ,		0
159	A novel coaxial multi-mode hybrid transmission system for mining trucks. <b>2019</b> , 233, 2492-2501		
158	Ecological Adaptive Cruise Control and Energy Management Strategy for Hybrid Electric Vehicles Based on Heuristic Dynamic Programming. <b>2019</b> , 20, 3526-3535		40
157	Threshold-changing control strategy for series hybrid electric vehicles. <i>Applied Energy</i> , <b>2019</b> , 235, 761-775.	5.7	39
156	Integrated energy management for electrified vehicles. <b>2019</b> , 15-75		14
155	Fast Dual-Loop Nonlinear Receding Horizon Control for Energy Management in Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 1060-1070	4.8	12
154	A transactive energy modelling and assessment framework for demand response business cases in smart distributed multi-energy systems. <b>2019</b> , 184, 165-179		29
153	A hybrid electric vehicle energy optimization strategy by using fueling control in diesel engines. <b>2019</b> , 233, 517-530		7

152	A New Real-Time Optimal Energy Management Strategy for Parallel Hybrid Electric Vehicles. <i>IEEE Transactions on Control Systems Technology</i> , <b>2019</b> , 27, 830-837	4.8	53
151	Energy-Based Functional Modelling for Control Architecture Design: An Application to Energy Management for a Hybrid Electric Vehicle. <i>Lecture Notes in Electrical Engineering</i> , <b>2020</b> , 47-72	0.2	
150	Energy Management in Plug-In Hybrid Electric Vehicles: Convex Optimization Algorithms for Model Predictive Control. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 2191-2203	4.8	24
149	Technological analysis and fuel consumption saving potential of different gas turbine thermodynamic configurations for series hybrid electric vehicles. <b>2020</b> , 234, 1544-1562		2
148	The Bionics and Its Application in Energy Management Strategy of Plug-In Hybrid Electric Vehicle Formation. <b>2020</b> , 1-15		0
147	Optimal Control of a Multi Voltage Powernet with Electrified Auxiliaries in Hybrid-Electric Trucks. <b>2020</b> ,		1
146	Economic MPC for online least costly energy management of hybrid electric vehicles. <b>2020</b> , 102, 104534		9
145	Optimisation of Direct Battery Thermal Management for EVs Operating in Low-Temperature Climates. <i>Energies</i> , <b>2020</b> , 13, 5980	3.1	3
144	Optimal low-level control strategies for a high-performance hybrid electric power unit. <i>Applied Energy</i> , <b>2020</b> , 276, 115248	10.7	5
143	Energy Management of Hybrid Electric Vehicles via Deep Q-Networks. <b>2020</b> ,		8
142	. <i>IEEE Transactions on Control Systems Technology</i> , <b>2020</b> , 28, 1878-1891	4.8	3
141	Fast Updating Energy Management of Hybrid Electrical Vehicles. <b>2020</b> ,		0
140	Optimal Calibration Strategy of a Hybrid Electric Vehicle Equipped with an Ultra-Lean Pre-Chamber SI Engine for the Minimization of CO2 and Pollutant Emissions. <i>Energies</i> , <b>2020</b> , 13, 4008	3.1	2
139	Equivalent Consumption Minimization Strategy With Consideration of Battery Aging for Parallel Hybrid Electric Vehicles. <b>2020</b> , 8, 204770-204781		5
138	Extraction of typical driving cycles in plateau based on improved short-stroke method. <b>2020</b> , 892, 012041		0
137	Minimum-Fuel Energy Management of a Hybrid Electric Vehicle via Iterative Linear Programming. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 14575-14587	6.8	6
136	Endoreversible Modeling of a Hydraulic Recuperation System. <b>2020</b> , 22,		18
135	Multicarrier Energy Systems: Shaping Our Energy Future. <b>2020</b> , 108, 1437-1456		20

134	Real-Time Model Predictive Powertrain Control for a Connected Plug-In Hybrid Electric Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 8420-8432	6.8	23
133	Benchmarking of Dedicated Hybrid Transmissions. <b>2020</b> , 2, 100-125		11
132	Evaluation of a Modified Equivalent Fuel-Consumption Minimization Strategy Considering Engine Start Frequency and Battery Parameters for a Plugin Hybrid Two-Wheeler. <i>Energies</i> , <b>2020</b> , 13, 3122	3.1	5
131	Optimal Output Regulation for Square, Overactuated and Underactuated Linear Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 4416-4423	5.9	
130	Fuel-Optimal Energy Management Strategy for a Power-Split Powertrain via Convex Optimization. <b>2020</b> , 8, 30854-30862		4
129	Least costly energy management for extended-range electric vehicles: An economic optimization framework. <b>2020</b> , 56, 218-230		7
128	Optimal Eco-Driving Control of Connected and Autonomous Vehicles Through Signalized Intersections. <b>2020</b> , 7, 3759-3773		45
127	Application of dynamic programming to optimal energy management of grid-independent hybrid railcars. <b>2021</b> , 235, 236-247		6
126	Green vehicle routing problem: A state-of-the-art review. <b>2021</b> , 231, 107899		36
125	Time-optimal gearshift and energy management strategies for a hybrid electric race car. <i>Applied Energy</i> , <b>2021</b> , 282, 115980	10.7	6
124	Power distribution strategy of a dual-engine system for heavy-duty hybrid electric vehicles using dynamic programming. <b>2021</b> , 215, 118851		19
123	Speed cascade adaptive control for hybrid electric vehicle using electronic throttle control during car-following process. <b>2021</b> , 110, 328-343		3
122	Corresponding drivability control and energy control strategy in uninterrupted multi-speed mining trucks. <b>2021</b> , 358, 1214-1239		1
121	An Enhanced Predictive Cruise Control System Design With Data-Driven Traffic Prediction. <b>2021</b> , 1-14		3
120	Control optimization of a compound power-split hybrid power system for commercial vehicles. 095440702199363		363
119	Development of an Efficient Thermal Electric Skipping Strategy for the Management of a Series/Parallel Hybrid Powertrain. <i>Energies</i> , <b>2021</b> , 14, 889	3.1	2
118	Integrated simulation platform for conventional, connected and automated driving: A design from cyberphysical systems perspective. <b>2021</b> , 124, 102984		7
117	Optimization and sizing of a fuel cell range extender vehicle for passenger car applications in driving cycle conditions. <i>Applied Energy</i> , <b>2021</b> , 285, 116469	10.7	3



116	An Online Degradation Forecasting and Abatement Framework for Hybrid Electric Vehicles.		
115	Reinforcement Learning Based Energy Management of Hybrid Energy Storage Systems in Electric Vehicles.		
114	Exploiting driving history for optimising the Energy Management in plug-in Hybrid Electric Vehicles. <b>2021</b> , 234, 113919		16
113	Hibrit ve Elektrikli Araçlar için Güç Aktarım Sistemi Balantı ve Etil Rotalama. <b>2021</b> , 23, 421-433		0
112	Optimal Control for a Hydraulic Recuperation System Using Endoreversible Thermodynamics. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5001	2.6	6
111	Degradation-Conscious Equivalent Consumption Minimization Strategy for a Fuel Cell Hybrid System. <i>Energies</i> , <b>2021</b> , 14, 3810	3.1	2
110	Real-Time Integrated Power and Thermal Management of Connected HEVs Based on Hierarchical Model Predictive Control. <b>2021</b> , 26, 1271-1282		5
109	Fuel Minimization of a Hybrid Electric Racing Car by Quasi-Pontryagin's Minimum Principle. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 5551-5564	6.8	1
108	Toward Holistic Energy Management Strategies for Fuel Cell Hybrid Electric Vehicles in Heavy-Duty Applications. <b>2021</b> , 109, 1094-1114		7
107	Change in Fuel Consumption of a Hybrid Vehicle When Operating in the Far North. <b>2021</b> , 12, 104		2
106	Analysis of the Optimal Operating Strategy of a P24-Hybrid for Different Electric Power Distributions in Charge-Depleting and Charge-Sustaining Operation.		0
105	MPC Framework for the Energy Management of Hybrid Ships with an Energy Storage System. <b>2021</b> , 9, 993		1
104	Optimal Energy Management Strategy for Energy Efficiency Improvement and Pollutant Emissions Mitigation in a Range-Extender Electric Vehicle.		0
103	Enhanced Battery Power Constraint Handling in MPC-Based HEV Energy Management: A Two-Phase Dual-Model Approach. <b>2021</b> , 7, 1236-1248		6
102	Preliminary design of a fuel cell/battery hybrid powertrain for a heavy-duty yard truck for port logistics. <b>2021</b> , 243, 114423		12
101	A Convex Optimization Framework for Minimum Lap Time Design and Control of Electric Race Cars. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 8478-8489	6.8	4
100	Transient Hybrid Electric Vehicle Powertrain Control Based on Iterative Dynamic Programming. <b>2022</b> , 144,		1
99	Impact of fuel cell range extender powertrain design on greenhouse gases and NOX emissions in automotive applications. <i>Applied Energy</i> , <b>2021</b> , 302, 117526	10.7	2

98	Heuristic Energy Management Strategy of Hybrid Electric Vehicle Based on Deep Reinforcement Learning With Accelerated Gradient Optimization. <b>2021</b> , 7, 2194-2208		9
97	Computationally Efficient Energy Management for Hybrid Electric Vehicles Using Model Predictive Control and Vehicle-to-Vehicle Communication. <i>IEEE Transactions on Vehicular Technology</i> , <b>2021</b> , 70, 237-250	6.8	8
96	Design of a Charge-Sustaining Energy Management System for a Free-Floating Electric Shared Bicycle. <i>IEEE Transactions on Control Systems Technology</i> , <b>2021</b> , 1-13	4.8	2
95	Topology Optimization of Hybrid Power Trains. <b>2014</b> , 181-198		3
94	Model-Based Optimal Energy Management Strategies for Hybrid Electric Vehicles. <b>2014</b> , 199-218		3
93	Multiobjective Optimal Control Methods for the Development of an Intelligent Cruise Control. <b>2016</b> , 633-641		4
92	Plug-In Hybrid Vehicle Powertrain Design Optimization: Energy Consumption and Cost. <i>Lecture Notes in Electrical Engineering</i> , <b>2013</b> , 595-613	0.2	13
91	Optimal energy management for hybrid electric aircraft. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 6043-6049	0.7	8
90	Comparative Study of Real-Time HEV Energy Management Strategies. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 10875-10888	6.8	40
89	Time-optimal Control Strategies for Electric Race Cars with Different Transmission Technologies. <b>2020</b> ,		2
88	Survey of the state of affairs in diesel engine control. <b>2018</b> , 5,		1
87	TAM ELEKTRİKLERİN ENERJİ YENİLENEBİLİR ENERJİ SİSTEMİ UYGULAMASI. <b>2017</b> , 32,		2
86	Automated Model Generation for Hybrid Vehicles Optimization and Control. <b>2010</b> , 65, 115-132		6
85	The Art of Control Engineering: Science Meets Industrial Reality. <b>2015</b> , 70, 31-39		1
84	A Comprehensive Hybrid Vehicle Model for Energetic Analyses on Different Powertrain Architectures.		1
83	Simultaneous Optimization of Real-Time Control Strategies and Powertrain Design for Fuel Cell Hybrid Vehicles.		2
82	Fuel-Optimal Power Split and Gear Selection Strategies for a Hybrid Electric Vehicle.		12
81	Engine and Aftertreatment Co-Optimization of Connected HEVs via Multi-Range Vehicle Speed Planning and Prediction.		6

80	Efficient Thermal Electric Skipping Strategy Applied to the Control of Series/Parallel Hybrid Powertrain.		2
79	Control as an Enabler for Electrified Mobility. <b>2022</b> , 5,		0
78	Dynamic Programming and Quadratic Programming for Vehicle Power Management. <b>2011</b> , 179-208		
77	Energy Management Strategy for Hybrid Electric Tracked Vehicle Based on Dynamic Programming. <i>Lecture Notes in Electrical Engineering</i> , <b>2011</b> , 843-851	0.2	2
76	Dynamics and Control of Hybrid Gas Electric Vehicles. <b>2012</b> , 457-491		
75	Simulation und Auslegung. <b>2012</b> , 325-340		
74	Analytical Solution Methods. <b>2013</b> , 47-69		
73	Smart, Connected and Electric. <i>Mechanical Engineering</i> , <b>2013</b> , 135, S4-S9	0.9	0
72	Energy management in Mobile Hydraulics. <i>Mechanical Engineering</i> , <b>2013</b> , 135, S4-S6	0.9	
71	Development of Energy Management of Hybrid Electric Vehicle for Improving Fuel Consumption via Sequential Approximate Optimization. <i>Journal of Robotics and Mechatronics</i> , <b>2014</b> , 26, 600-606	0.7	
70	One-Step Prediction for Improving Gear Changing Control of HEVs. <i>Journal of Robotics and Mechatronics</i> , <b>2014</b> , 26, 799-808	0.7	3
69	A Novel Battery System for Electric Vehicles. <b>2015</b> , 29-40		1
68	Development of Power Distribution Control Strategy for Plug-in Hybrid Electric Vehicle using Neural Network. <i>Journal of Drive and Control</i> , <b>2015</b> , 12, 18-24		
67	Adaptive Optimal Supervisory Control Methods. <i>Springer Briefs in Electrical and Computer Engineering</i> , <b>2016</b> , 79-87	0.4	
66	Fuel Consumption Optimization for a Power-split HEV via Gain-scheduled Model Predictive Control. <i>Transactions of the Society of Instrument and Control Engineers</i> , <b>2016</b> , 52, 1-10	0.1	1
65	Multi-Objective Supervisory Controller for Hybrid Electric Vehicles. <b>2016</b> , 167-215		
64	Energy Management of Planetary Gear Hybrid Electric Vehicle Based on Improved Dynamic Programming. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 130-138	0.9	
63	Optimal Control and System Optimization of Ground Vehicle Hybrid Drive System. <b>2018</b> , 141-203		

62	A Series Hybrid Electric Vehicle Simulation and Analysis of Fuel Consumption Alteration in Different Driving Cycles. <i>Academic Perspective Procedia</i> , <b>2018</b> , 1, 138-147	0.1	
61	SERİ PARALEL HİBRİT ELEKTRİK LİTAYTLARDAKİ GÜÇ DAĞITICI (POWER SPLIT) MEKANİZMASININ MOTOR HIZI DEĞİŞİME BAĞLI İZLENİMLERİ <i>İstanbul Kültür Enstitüsü Dergisi</i>		
60	State-of-the-Art and Development Trends of Energy Management Strategies for Intelligent and Connected New Energy Vehicles: A Review.		0
59	Route-Optimized Energy Management of Connected and Automated Multi-Mode Plug-In Hybrid Electric Vehicle Using Dynamic Programming.		6
58	Development of a Hybrid Power Unit for Formula SAE Application: ICE CFD-1D Optimization and Vehicle Lap Simulation.		2
57	Effect of Battery Temperature on Fuel Economy and Battery Aging When Using the Equivalent Consumption Minimization Strategy for Hybrid Electric Vehicles.		2
56	Time-Optimal Low-Level Control and Gearshift Strategies for the Formula 1 Hybrid Electric Powertrain. <i>Energies</i> , <b>2021</b> , 14, 171	3.1	0
55	Flexible predictive hybrid powertrain management with V2X information. <b>2020</b> ,		0
54	Improving the Energy Management of Parallel Hybrid Electric Vehicle by Dynamic Programming Using Electro-Thermal Model of Battery. <i>Journal of Control</i> , <b>2020</b> , 13, 1-14	0.1	
53	A Tool to Enable FPGA-Accelerated Dynamic Programming for Energy Management of Hybrid Electric Vehicles. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 15104-15109	0.7	0
52	Traffic-Aware Vehicle Energy Management Strategies via Scenario-Based Optimization. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 14217-14223	0.7	1
51	Optimization Method for the Energy and Emissions Management of a Hybrid Electric Vehicle with an Exhaust Aftertreatment System. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 13797-13804	0.7	2
50	New Advances in Vehicle Routing Problems: A Literature Review to Explore the Future. <b>2020</b> , 1-42		2
49	A Switching System oriented Modeling and Control Strategy for Idle Speed Control of a Hybrid Powertrain. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 14028-14033	0.7	
48	Optimal Control of Energy Flow between Electrified Auxiliaries and Powertrain in Hybrid-Electric Heavy-Duty Vehicles. <b>2020</b> ,		1
47	Retrofit of a Heavy-Duty Diesel Truck: Comparison of Parallel and Series Hybrid Architectures with Waste Heat Recovery.		1
46	Study on Electric Vehicle (EV) and Its Developments Based on Batteries, Drive System and Charging Methodologies in Modern World. <i>Green Energy and Technology</i> , <b>2021</b> , 103-118	0.6	
45	Optimal Integrated Emission Management through Variable Engine Calibration. <i>Energies</i> , <b>2021</b> , 14, 7606	3.1	1

44	A Simplified Beginner's Guidelines for Design and Fabrication of Prototype Electrical Vehicle. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 271-281	0.2	
43	Optimal driving for vehicle fuel economy under traffic speed uncertainty. <i>Transportation Research Part B: Methodological</i> , <b>2021</b> , 154, 175-206	7.2	1
42	MPC Trajectory Feasibility Constraints for Self-Powered Control Systems. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	
41	Critical review on structural architecture, energy control strategies and development process towards optimal energy management in hybrid vehicles. <i>Renewable and Sustainable Energy Reviews</i> , <b>2022</b> , 157, 112038	16.2	5
40	Effect of Engine Dynamics on Optimal Power-Split Control Strategies in Hybrid Electric Vehicles. <b>2020</b> ,		1
39	Parallel powertrain bench for control strategies validation on HEV. <b>2021</b> ,		
38	Neutrosophic Fuzzy MARCOS Approach for Sustainable Hybrid Electric Vehicle Assessment. <b>2021</b> ,		0
37	Iterative shepherding control for agents with heterogeneous responsivity.. <i>Mathematical Biosciences and Engineering</i> , <b>2022</b> , 19, 3509-3525	2.1	2
36	Ecological cruising control of connected electric vehicle: a deep reinforcement learning approach. <i>Science China Technological Sciences</i> , <b>2022</b> , 65, 529	3.5	1
35	Powertrain Analysis and Optimized Power Follower Control Strategy in a Series Hybrid Electric Vehicle.		
34	Model-Based Analysis of Different Equivalent Consumption Minimization Strategies for a Plug-In Hybrid Electric Vehicle. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2905	2.6	1
33	Novel Approaches for Energy Management Strategies of Hybrid Electric Vehicles and Comparison with Conventional Solutions. <i>Energies</i> , <b>2022</b> , 15, 1972	3.1	0
32	Global optimization energy management for multi-energy source vehicles based on Information layer - Physical layer - Energy layer - Dynamic programming (IPE-DP). <i>Applied Energy</i> , <b>2022</b> , 312, 118668	10.7	2
31	Optimal energy management of fuel cell hybrid electric vehicle based on model predictive control and on-line mass estimation. <i>Energy Reports</i> , <b>2022</b> , 8, 4964-4974	4.6	0
30	Kernel Regression for Energy-Optimal Control of Fully Electric Vehicles. <b>2021</b> ,		
29	Electric Vehicle Progress and Challenges on the Road to Sustainable Transportation. <b>2021</b> ,		
28	Sizing of the Propulsion System for a Heavy-Duty Fuel Cell Commercial Vehicle. <i>Scientific Programming</i> , <b>2021</b> , 2021, 1-16	1.4	0
27	Extraction of maximum power from solar with BLDC motor driven electric vehicles based HHO algorithm. <i>Advances in Engineering Software</i> , <b>2022</b> , 170, 103137	3.6	0

26	Deep Learning Application of Image Recognition Based on Self-driving Vehicle. <i>Communications in Computer and Information Science</i> , <b>2022</b> , 336-344	0.3	○
25	Gaussian Process Approximate Dynamic Programming for Energy-optimal Supervisory Control of Parallel Hybrid Electric Vehicles. <i>IEEE Transactions on Vehicular Technology</i> , <b>2022</b> , 1-1	6.8	○
24	Optimal Energy Management and Storage Sizing for Electric Vehicles With Dual Storage. <i>IEEE Transactions on Control Systems Technology</i> , <b>2022</b> , 1-9	4.8	
23	Assessment of Components Sizing and Energy Management Algorithms Performance for a Parallel PHEV.		○
22	Long-term stochastic model predictive control for the energy management of hybrid electric vehicles using Pontryagin's minimum principle and scenario-based optimization. <i>Applied Energy</i> , <b>2022</b> , 119192	10.7	1
21	Model predictive control-based energy management strategy with vehicle speed prediction for hybrid electric vehicles. <i>AIP Advances</i> , <b>2022</b> , 12, 075019	1.5	
20	Optimal Energy Management of Electric Vehicles Supplied by Battery and Supercapacitors: A Multi-Objective Approach. <i>Springer Optimization and Its Applications</i> , <b>2022</b> , 317-341	0.4	
19	Modeling and Control of Parallel Hybrid Electric Vehicle Using Sea-Lion Optimization. <i>Intelligent Automation and Soft Computing</i> , <b>2023</b> , 35, 1441-1454	2.6	○
18	Multi-Objective Finite Control Set Model Predictive Control for Interior Permanent Magnet Motors in Electric/Hybrid-Electric Vehicles.		
17	A review of energy management optimization based on the equivalent consumption minimization strategy for fuel cell hybrid power systems.		○
16	Hybrid Model Predictive Control for Hybrid Electric Vehicle Energy Management Using an Efficient Mixed-Integer Formulation. <b>2022</b> , 55, 501-506		○
15	Integrated Convex Speed Planning and Energy Management for Autonomous Fuel Cell Hybrid Electric Vehicles. <b>2022</b> , 1-1		○
14	Dynamic programming method for electrified vehicles. <b>2022</b> ,		○
13	A Spatial Data-Driven Vehicle Speed Prediction Framework for Energy Management of HEVs Using Multi-Horizon MPC with Non-uniform Sampling. <b>2022</b> ,		○
12	Energy and Fuel Consumption Minimization for a Plug-In Fuel Cell Electric Cargo Handling Vehicle.		○
11	A Hierarchical Model Predictive Control Based Connected Series Hybrid Electric Vehicle Energy Management Considering Speed Planning.		○
10	Electric vehicles: a step toward sustainability. <b>2023</b> , 619-640		○
9	Predictive Emission Management Based on Pre-Heating for Heavy-Duty Powertrains. <b>2022</b> , 15, 8232		○

- 8 Development of a neural network-based energy management system for a plug-in hybrid electric vehicle. **2023**, 11, 100156
- 7 Energy management system optimization based on an LSTM deep learning model using vehicle speed prediction. **2023**, 11, 100160
- 6 Optimal control of aftertreatment electric heaters for mild hybrid vehicles during cold start. **2022**,
- 5 Intelligent energy management through neuro-fuzzy based adaptive ECMS approach for an optimal battery utilization in plugin parallel hybrid electric vehicle. **2023**, 280, 116792
- 4 Numerical Strategies for Mixed-Integer Optimization of Power-Split and Gear Selection in Hybrid Electric Vehicles. **2023**, 24, 3194-3210
- 3 Comparative Assessment of Supervisory Control Algorithms for a Plug-In Hybrid Electric Vehicle. **2023**, 16, 1497
- 2 Influence of the Reward Function on the Selection of Reinforcement Learning Agents for Hybrid Electric Vehicles Real-Time Control. **2023**, 16, 2749
- 1 Battery health target tracking for HEVs: Closed-loop control approach, simulation framework, and reference trajectory optimization. **2023**, 17, 100244