

Xiaohua Xia

List of Publications by Year in Descending Order

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

252
papers

6,471
citations

44
h-index

70
g-index

291
ext. papers

7,953
ext. citations

5.4
avg. IF

6.84
L-index

#	Paper	IF	Citations
252	A review on anaerobic digestion with focus on the role of biomass co-digestion, modelling and optimisation on biogas production and enhancement. <i>Bioresource Technology</i> , 2022 , 344, 126311	11	6
251	Explainable artificial intelligence for building energy performance certificate labelling classification. <i>Journal of Cleaner Production</i> , 2022 , 131626	10.3	1
250	Distributed event-triggered output feedback H _∞ control for multi-agent systems with transmission delays. <i>IET Control Theory and Applications</i> , 2021 , 15, 1646-1660	2.5	1
249	Minimum cost solution to residential energy-water nexus through rainwater harvesting and greywater recycling. <i>Journal of Cleaner Production</i> , 2021 , 298, 126742	10.3	3
248	Multi-timescale Forecast of Solar Irradiance Based on Multi-task Learning and Echo State Network Approaches. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 300-310	11.9	22
247	Building Energy Performance Certificate Labelling Classification Based on Explainable Artificial Intelligence. <i>Communications in Computer and Information Science</i> , 2021 , 181-196	0.3	
246	Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1763-1773	6.1	5
245	Transient State Modelling and Experimental Investigation of the Thermal Behavior of a Vapor Compression System. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	1
244	Model predictive control of a Venlo-type greenhouse system considering electrical energy, water and carbon dioxide consumption. <i>Applied Energy</i> , 2021 , 298, 117163	10.7	2
243	Distributed control of nonlinear stochastic multi-agent systems with external disturbance and time-delay via event-triggered strategy. <i>Neurocomputing</i> , 2021 , 452, 275-283	5.4	6
242	Co-digestion of water hyacinth, municipal solid waste and cow dung: A methane optimised biogas-liquid petroleum gas hybrid system. <i>Applied Energy</i> , 2021 , 304, 117716	10.7	1
241	Optimal maintenance planning in building retrofitting with interacting energy effects. <i>Optimal Control Applications and Methods</i> , 2020 , 41, 2023-2036	1.7	1
240	Maintenance optimization incorporating lumen degradation failure for energy-efficient lighting retrofit projects. <i>Applied Energy</i> , 2020 , 267, 115003	10.7	2
239	Battery energy storage sizing optimisation for different ownership structures in a peer-to-peer energy sharing community. <i>Applied Energy</i> , 2020 , 262, 114498	10.7	37
238	Hierarchical model predictive control of Venlo-type greenhouse climate for improving energy efficiency and reducing operating cost. <i>Journal of Cleaner Production</i> , 2020 , 264, 121513	10.3	13
237	Constrained Adaptive Model-Predictive Control for a Class of Discrete-Time Linear Systems With Parametric Uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 2223-2229	5.9	5
236	Energy-maintenance optimization for retrofitted lighting system incorporating luminous flux degradation to enhance visual comfort. <i>Applied Energy</i> , 2020 , 261, 114379	10.7	8

235	A Real-Time Energy Management and Speed Controller for an Electric Vehicle Powered by a Hybrid Energy Storage System. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 6272-6280	11.9	14
234	Biogas potential determination and production optimisation through optimal substrate ratio feeding in co-digestion of water hyacinth, municipal solid waste and cow dung. <i>Biofuels</i> , 2020 , 1-11	2	2
233	Optimal tank sizing and operation of energy-water supply systems in residences. <i>Energy Procedia</i> , 2019 , 159, 352-357	2.3	1
232	Effect of radiation on the performance of activated carbon base supercapacitor: Part II. Influence of electron irradiation exposure on full cell. <i>Energy Procedia</i> , 2019 , 158, 4560-4565	2.3	
231	Distributed resource allocation for multi-zone commercial buildings. <i>Energy Procedia</i> , 2019 , 158, 2872-2877		
230	Optimal Sizing and Power Sharing of Distributed Hybrid Renewable Energy Systems Considering Socio-Demographic Factors. <i>Energy Procedia</i> , 2019 , 159, 340-345	2.3	5
229	Effect of radiation on the performance of activated carbon base supercapacitor: Part I. Influence of microwave irradiation exposure on electrodes material. <i>Energy Procedia</i> , 2019 , 158, 4554-4559	2.3	3
228	Optimization of the Operational Cost and Environmental Impact of a Multi-Microgrid System. <i>Energy Procedia</i> , 2019 , 158, 3827-3832	2.3	9
227	Receding Horizon Operation Control of a Compressed Natural Gas Station. <i>Energy Procedia</i> , 2019 , 158, 2853-2858	2.3	1
226	A Hierarchical Optimisation of a Compressed Natural Gas Station for Energy and Fuelling Efficiency under a Demand Response Program. <i>Energies</i> , 2019 , 12, 2165	3.1	5
225	A hierarchical predictive control for supercapacitor-retrofitted grid-connected hybrid renewable systems. <i>Applied Energy</i> , 2019 , 242, 393-402	10.7	22
224	Active nonlinear partial-state feedback control of contacting force for a pantograph-catenary system. <i>ISA Transactions</i> , 2019 , 91, 78-89	5.5	4
223	Distributed control for a multi-evaporator air conditioning system. <i>Control Engineering Practice</i> , 2019 , 90, 85-100	3.9	11
222	An Optimization Approach for Shovel Allocation to Minimize Fuel Consumption in Open-pit Mines: Case of Heterogeneous Fleet of Shovels.. <i>IFAC-PapersOnLine</i> , 2019 , 52, 207-212	0.7	3
221	Optimal dispatch of grid and natural gas generator power in a scheduled compressed natural gas fuelling station 2019 ,		1
220	A Competitive Swarm Optimizer-Based Technoeconomic Optimization with Appliance Scheduling in Domestic PV-Battery Hybrid Systems. <i>Complexity</i> , 2019 , 2019, 1-15	1.6	1
219	A New Planar Path-Following Control for Non-Holonomic Systems 2019 ,		2
218	Dynamic State Feedback Decoupling of a DX A/C System. <i>IFAC-PapersOnLine</i> , 2019 , 52, 406-411	0.7	

217	Estimate and characterize PV power at demand-side hybrid system. <i>Applied Energy</i> , 2018 , 218, 66-77	10.7	11
216	An autonomous hierarchical control for improving indoor comfort and energy efficiency of a direct expansion air conditioning system. <i>Applied Energy</i> , 2018 , 221, 450-463	10.7	20
215	Optimized response to electricity time-of-use tariff of a compressed natural gas fuelling station. <i>Applied Energy</i> , 2018 , 222, 244-256	10.7	15
214	Energy-efficiency building retrofit planning for green building compliance. <i>Building and Environment</i> , 2018 , 136, 312-321	6.5	44
213	Lighting retrofit and maintenance models with decay and adaptive control. <i>IET Control Theory and Applications</i> , 2018 , 12, 593-600	2.5	1
212	Distributed optimization of multi-agent systems with delayed sampled-data. <i>Neurocomputing</i> , 2018 , 296, 100-108	5.4	7
211	Sustainable energy-water management for residential houses with optimal integrated grey and rain water recycling. <i>Journal of Cleaner Production</i> , 2018 , 170, 1151-1166	10.3	26
210	Measurement uncertainty in energy monitoring: Present state of the art. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 2791-2805	16.2	19
209	Bayesian Energy Measurement and Verification Analysis. <i>Energies</i> , 2018 , 11, 380	3.1	14
208	Three dimensional modelling of the components in supercapacitors for proper understanding of the contribution of each parameter to the final electrochemical performance. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17481-17487	13	5
207	A design approach for multiple drive belt conveyors minimizing life cycle costs. <i>Journal of Cleaner Production</i> , 2018 , 201, 526-541	10.3	13
206	Building retrofit optimization models using notch test data considering energy performance certificate compliance. <i>Applied Energy</i> , 2018 , 228, 2140-2152	10.7	20
205	A power dispatch model for a ferrochrome plant heat recovery cogeneration system. <i>Applied Energy</i> , 2018 , 227, 180-189	10.7	3
204	Multi-Zone Building Temperature Control and Energy Efficiency Using Autonomous Hierarchical Control Strategy 2018 ,		2
203	Hierarchical Power Flow Control of a Grid-tied Photovoltaic Plant Using a Battery-Supercapacitor Energy Storage System. <i>Energy Procedia</i> , 2018 , 145, 32-37	2.3	7
202	Feasibility study of embedded piezoelectric generator system on a highway for street lights electrification. <i>Energy Procedia</i> , 2018 , 152, 1015-1020	2.3	5
201	Distributed Energy Dispatch of Electrical Energy Storage Systems Using Consensus Control Approach. <i>IFAC-PapersOnLine</i> , 2018 , 51, 229-234	0.7	3
200	Model predictive control strategy of energy cost management for a compressed natural gas fuelling station. <i>IFAC-PapersOnLine</i> , 2018 , 51, 851-855	0.7	1

199	A Consensus-Based Dispatch Algorithm of Constrained Electrical Energy Storage Systems 2018 ,		1
198	Tariff-driven demand side management of green ship. <i>Solar Energy</i> , 2018 , 170, 991-1000	6.8	14
197	Optimal control of a windPV-hybrid powered heat pump water heater. <i>Applied Energy</i> , 2017 , 185, 1173-1184	11.4	41
196	A Multistate-Based Control System Approach Toward Optimal Maintenance Planning. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 374-381	4.8	14
195	Low-cost energy meter calibration method for measurement and verification. <i>Applied Energy</i> , 2017 , 188, 563-575	10.7	14
194	An optimal model for a building retrofit with LEED standard as reference protocol. <i>Energy and Buildings</i> , 2017 , 139, 22-30	7	22
193	Techno-economic and environmental optimization of a household photovoltaic-battery hybrid power system within demand side management. <i>Renewable Energy</i> , 2017 , 108, 132-143	8.1	30
192	Output consensus of multi-agent systems with delayed and sampled-data. <i>IET Control Theory and Applications</i> , 2017 , 11, 632-639	2.5	18
191	Adaptive leaderless consensus of agents in jointly connected networks. <i>Neurocomputing</i> , 2017 , 241, 64-74	7.4	28
190	Control problems in building energy retrofit and maintenance planning. <i>Annual Reviews in Control</i> , 2017 , 44, 78-88	10.3	9
189	Model predictive control of heat pump water heater-instantaneous shower powered with integrated renewable-grid energy systems. <i>Applied Energy</i> , 2017 , 204, 1333-1346	10.7	28
188	Optimal control of conventional hydropower plant retrofitted with a cascaded pumpback system powered by an on-site hydrokinetic system. <i>Energy Conversion and Management</i> , 2017 , 132, 438-451	10.6	10
187	Optimal Control of Hydrokinetic-powered Pumpback System for a Hydropower Plant in Dry Season: A Case Study. <i>Energy Procedia</i> , 2017 , 105, 94-101	2.3	2
186	Economic Dispatch of a Grid-connected Cogeneration Ferrochrome Plant. <i>Energy Procedia</i> , 2017 , 105, 1974-1979	2.3	1
185	Asymmetric supercapacitor based on activated expanded graphite and pinecone tree activated carbon with excellent stability. <i>Applied Energy</i> , 2017 , 207, 417-426	10.7	58
184	Optimal Operation of Integrated Heat Pump-instant Water Heaters with Renewable Energy. <i>Energy Procedia</i> , 2017 , 105, 2151-2156	2.3	7
183	Optimal energy-water management in urban residential buildings through grey water recycling. <i>Sustainable Cities and Society</i> , 2017 , 32, 654-668	10.1	33
182	A MILP Model for Truck-shovel Scheduling to Minimize Fuel Consumption. <i>Energy Procedia</i> , 2017 , 105, 2739-2745	2.3	3

181	Efficient longitudinal population survival survey sampling for the measurement and verification of lighting retrofit projects. <i>Energy and Buildings</i> , 2017 , 150, 163-176	7	4
180	Energy-efficient predictive control of indoor thermal comfort and air quality in a direct expansion air conditioning system. <i>Applied Energy</i> , 2017 , 195, 439-452	10.7	50
179	A multi-objective optimization model for energy-efficiency building envelope retrofitting plan with rooftop PV system installation and maintenance. <i>Applied Energy</i> , 2017 , 189, 327-335	10.7	124
178	A Dual-Loop Control System for Dense Medium Coal Washing Processes With Sampled and Delayed Measurements. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 2211-2218	4.8	5
177	Efficient metering and surveying sampling designs in longitudinal Measurement and Verification for lighting retrofit. <i>Energy and Buildings</i> , 2017 , 154, 430-447	7	5
176	A Portfolio Approach of Demand Side Management. <i>IFAC-PapersOnLine</i> , 2017 , 50, 171-176	0.7	8
175	Compressor and priority panel optimization for an energy efficient CNG fuelling station 2017 ,		2
174	Control of a battery/supercapacitor hybrid energy storage system for electric vehicles 2017 ,		4
173	Optimal operation of smart multi-energy hub systems incorporating energy hub coordination and demand response strategy. <i>Journal of Renewable and Sustainable Energy</i> , 2017 , 9, 045501	2.5	15
172	A Preliminary Study on the Robustness of Grouping Based Maintenance Plan Optimization in Building Retrofitting. <i>Energy Procedia</i> , 2017 , 105, 3308-3313	2.3	5
171	Interactive Dynamics in Building Maintenance and Retrofit. <i>Energy Procedia</i> , 2017 , 105, 3363-3368	2.3	1
170	2017 ,		3
169	Optimal control of heat pump water heater-instantaneous shower using integrated renewable-grid energy systems. <i>Applied Energy</i> , 2017 , 201, 332-342	10.7	16
168	Continuous observer design for a class of multi-output nonlinear systems with multi-rate sampled and delayed output measurements. <i>Automatica</i> , 2017 , 75, 127-132	5.7	34
167	Optimal dispatch for a microgrid incorporating renewables and demand response. <i>Renewable Energy</i> , 2017 , 101, 16-28	8.1	182
166	Optimal and energy efficient operation of conveyor belt systems with downhill conveyors. <i>Energy Efficiency</i> , 2017 , 10, 405-417	3	11
165	Decentralized finite-time adaptive consensus of multiagent systems with fixed and switching network topologies. <i>Neurocomputing</i> , 2017 , 219, 59-67	5.4	24
164	Game-theoretic demand-side management and closed-loop control for a class of networked smart grid. <i>IET Control Theory and Applications</i> , 2017 , 11, 2170-2176	2.5	1

163	A Comparative Study on the Cost-effective Belt Conveyors for Bulk Material Handling. <i>Energy Procedia</i> , 2017 , 142, 2754-2760	2.3	10
162	Design and characterization of asymmetric supercapacitor useful in hybrid energy storage systems for electric vehicles. <i>IFAC-PapersOnLine</i> , 2017 , 50, 83-87	0.7	3
161	Optimal energy cost management of a CNG fuelling station. <i>IFAC-PapersOnLine</i> , 2017 , 50, 94-97	0.7	4
160	An optimization model for building envelope retrofit considering energy performance certificate 2017 ,		1
159	Cost optimization design approach for multiple drive belt conveyors 2017 ,		2
158	Optimal energy mix of a microhydro-wind-grid system powering a dairy farm in Western Cape, South Africa.. <i>Energy Procedia</i> , 2017 , 142, 708-715	2.3	5
157	Optimization of a compressed natural gas station operation to minimize energy cost. <i>Energy Procedia</i> , 2017 , 142, 2003-2008	2.3	3
156	A cost-effective approach to handle measurement and verification uncertainties of energy savings. <i>Energy</i> , 2017 , 141, 1600-1609	7.9	3
155	2017 ,		1
154	Optimal Control of a Hybrid Battery/Supercapacitor Storage for Neighborhood Electric Vehicles. <i>Energy Procedia</i> , 2017 , 105, 2145-2150	2.3	14
153	Asymmetric Carbon Supercapacitor with Activated Expanded Graphite as Cathode and Pinecone Tree Activated Carbon as Anode Materials. <i>Energy Procedia</i> , 2017 , 105, 4098-4103	2.3	14
152	Coordinated two-stage volt/var management in distribution networks. <i>Electric Power Systems Research</i> , 2016 , 141, 157-164	3.5	16
151	Model predictive control strategy of energy-water management in urban households. <i>Applied Energy</i> , 2016 , 179, 821-831	10.7	32
150	Optimal control of a fuel cell/wind/PV/grid hybrid system with thermal heat pump load. <i>Solar Energy</i> , 2016 , 135, 59-69	6.8	70
149	Continuous output feedback stabilization for nonlinear systems based on sampled and delayed output measurements. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 3075-3087	3.6	19
148	Combined residential demand side management strategies with coordination and economic analysis. <i>International Journal of Electrical Power and Energy Systems</i> , 2016 , 79, 150-160	5.1	61
147	Optimal metering plan for measurement and verification on a lighting case study. <i>Energy</i> , 2016 , 95, 580-592	7.9	12
146	Optimal flow control of a forced circulation solar water heating system with energy storage units and connecting pipes. <i>Renewable Energy</i> , 2016 , 89, 108-124	8.1	21

145	Adaptive Model Predictive Control for Unconstrained Discrete-Time Linear Systems With Parametric Uncertainties. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 3171-3176	5.9	34
144	Modelling of coal trade process for the logistics enterprise and its optimisation with stochastic predictive control. <i>International Journal of Production Research</i> , 2016 , 54, 2241-2259	7.8	7
143	Large-scale building energy efficiency retrofit: Concept, model and control. <i>Energy</i> , 2016 , 109, 456-465	7.9	54
142	Integrated Energy Management of Grid-tied-PV-fuel Cell Hybrid System. <i>Energy Procedia</i> , 2016 , 103, 111-116	2.3	6
141	Optimal Integrated Diesel Grid-renewable Energy System for Hot Water Devices. <i>Energy Procedia</i> , 2016 , 103, 117-122	2.3	5
140	Evolutionary game theoretic demand-side management and control for a class of networked smart grid. <i>Automatica</i> , 2016 , 70, 94-100	5.7	47
139	Industrial energy systems in view of energy efficiency and operation control. <i>Annual Reviews in Control</i> , 2016 , 42, 299-308	10.3	21
138	Lyapunov-based adaptive model predictive control for unconstrained non-linear systems with parametric uncertainties. <i>IET Control Theory and Applications</i> , 2016 , 10, 1937-1943	2.5	14
137	Event-triggered group consensus of leader-following multi-agent systems with nonlinear dynamics 2016 ,		2
136	Optimal switching renewable energy system for demand side management. <i>Solar Energy</i> , 2015 , 114, 278-288	6.8	40
135	Optimal scheduling of household appliances with a battery storage system and coordination. <i>Energy and Buildings</i> , 2015 , 94, 61-70	7	75
134	Optimal power dispatch of a grid tied-battery-photovoltaic system supplying heat pump water heaters. <i>Energy Conversion and Management</i> , 2015 , 102, 81-91	10.6	50
133	How information propagation in social networks can improve energy savings based on time of use tariff. <i>Sustainable Cities and Society</i> , 2015 , 19, 26-33	10.1	11
132	Optimal energy control of grid tied PV-diesel-battery hybrid system powering heat pump water heater. <i>Solar Energy</i> , 2015 , 115, 243-254	6.8	45
131	Demand side management of photovoltaic-battery hybrid system. <i>Applied Energy</i> , 2015 , 148, 294-304	10.7	159
130	Optimal maintenance planning for building energy efficiency retrofitting from optimization and control system perspectives. <i>Energy and Buildings</i> , 2015 , 96, 299-308	7	46
129	Energy-water optimization model incorporating rooftop water harvesting for lawn irrigation. <i>Applied Energy</i> , 2015 , 160, 521-531	10.7	20
128	Operation efficiency optimisation modelling and application of model predictive control. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2015 , 2, 166-172	7	16

127	An Integer Programming Approach for Truck-Shovel Dispatching Problem in Open-Pit Mines. <i>Energy Procedia</i> , 2015 , 75, 1779-1784	2.3	21
126	A combined dynamic economic emission dispatch and time of use demand response mathematical modelling framework. <i>Journal of Renewable and Sustainable Energy</i> , 2015 , 7, 043134	2.5	15
125	Implementing a model predictive control strategy on the dynamic economic emission dispatch problem with game theory based demand response programs. <i>Energy</i> , 2015 , 91, 404-419	7.9	40
124	A Multi-objective Optimization Model for Building Envelope Retrofit Planning. <i>Energy Procedia</i> , 2015 , 75, 1299-1304	2.3	20
123	Multi-objective dynamic economic emission dispatch of electric power generation integrated with game theory based demand response programs. <i>Energy Conversion and Management</i> , 2015 , 89, 963-974	10.6	123
122	Switched Model Predictive Control for Energy Dispatching of a Photovoltaic-Diesel-Battery Hybrid Power System. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1229-1236	4.8	91
121	Improving building energy efficiency by multiobjective neighborhood field optimization. <i>Energy and Buildings</i> , 2015 , 87, 45-56	7	51
120	Optimal control of maintenance instants and intensities in building energy efficiency retrofiting project 2015 ,		3
119	Nonlinear Trajectory Tracking Control for Heavy-Haul Trains. <i>IFAC-PapersOnLine</i> , 2015 , 48, 41-46	0.7	3
118	A Parametric Energy Model for Energy Management of Long Belt Conveyors. <i>Energies</i> , 2015 , 8, 13590-13608	3.6	29
117	Medium Density Control for Coal Washing Dense Medium Cyclone Circuits. <i>IEEE Transactions on Control Systems Technology</i> , 2015 , 23, 1117-1122	4.8	11
116	Model predictive control for improving operational efficiency of overhead cranes. <i>Nonlinear Dynamics</i> , 2015 , 79, 2639-2657	5	87
115	Optimization of mine ventilation fan speeds according to ventilation on demand and time of use tariff. <i>Applied Energy</i> , 2015 , 146, 65-73	10.7	46
114	Magnetite and water addition control for a dense medium coal washing circuit 2015 ,		2
113	Optimal Power Control of Grid Tied PV-battery-diesel System Powering Heat Pump Water Heaters. <i>Energy Procedia</i> , 2015 , 75, 1514-1521	2.3	10
112	Optimal power flow management for distributed energy resources with batteries. <i>Energy Conversion and Management</i> , 2015 , 102, 104-110	10.6	95
111	Optimal maintenance planning for sustainable energy efficiency lighting retrofit projects by a control system approach. <i>Control Engineering Practice</i> , 2015 , 37, 1-10	3.9	33
110	Optimal energy management for a jaw crushing process in deep mines. <i>Energy</i> , 2014 , 68, 337-348	7.9	32

109	Adaptive Parameter Estimation for an Energy Model of Belt Conveyor with DC Motor. <i>Asian Journal of Control</i> , 2014 , 16, 1122-1132	1.7	7
108	A multi-objective optimization model for the life-cycle cost analysis and retrofitting planning of buildings. <i>Energy and Buildings</i> , 2014 , 77, 227-235	7	117
107	Decentralized adaptive consensus of multi-agent in networks with switching topologies 2014 ,		2
106	Mathematical Modeling of HIV Dynamics After Antiretroviral Therapy Initiation: A Review. <i>BioResearch Open Access</i> , 2014 , 3, 233-41	2.4	15
105	Optimisation of mine ventilation fan speeds on demand 2014 ,		3
104	Dynamical Behaviors of an Euler Discretized Sliding Mode Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2014 , 59, 2525-2529	5.9	13
103	A Dual-loop Model Predictive Voltage Control/Sliding-mode Current Control for Voltage Source Inverter Operation in Smart Microgrids. <i>Electric Power Components and Systems</i> , 2014 , 42, 348-360	1	15
102	Mathematical modelling for the social impact to energy efficiency savings. <i>Energy and Buildings</i> , 2014 , 84, 344-351	7	8
101	Energy dispatch strategy for a photovoltaic/wind/diesel/battery hybrid power system. <i>Solar Energy</i> , 2014 , 108, 412-420	6.8	90
100	Analysing the economic benefit of electricity price forecast in industrial load scheduling. <i>Electric Power Systems Research</i> , 2014 , 116, 158-165	3.5	30
99	Finite time dual neural networks with a tunable activation function for solving quadratic programming problems and its application. <i>Neurocomputing</i> , 2014 , 143, 80-89	5.4	37
98	Improving energy efficiency of cyclone circuits in coal beneficiation plants by pump-storage systems. <i>Applied Energy</i> , 2014 , 119, 306-313	10.7	28
97	Optimal scheduling of household appliances for demand response. <i>Electric Power Systems Research</i> , 2014 , 116, 24-28	3.5	204
96	Energy Efficiency of Overhead Cranes. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 19-24		8
95	Optimal lighting project maintenance planning by a control system approach. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 3152-3157		0
94	A Control System Approach to Corrective Maintenance Planning of Building Retrofitted Facilities. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 12056-12061		
93	Continuous observer design for nonlinear systems with sampled and delayed output measurements. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 269-274		9
92	Model Predictive Control for Energy Dispatch of a Photovoltaic-Diesel-Battery Hybrid Power System. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 11135-11140		6

91	A Model Predictive Control for Coal Beneficiation Dense Medium Cyclones. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014 , 47, 9810-9815		4
90	An Optimization Model for Reducing Energy Usage of Coal Washing Plants. <i>Energy Procedia</i> , 2014 , 61, 1017-1020	2.3	2
89	Optimal Scheduling of Household Appliances Incorporating Appliance Coordination. <i>Energy Procedia</i> , 2014 , 61, 198-202	2.3	14
88	Mathematical modeling of HIV dynamics after antiretroviral therapy initiation: a clinical research study. <i>AIDS Research and Human Retroviruses</i> , 2014 , 30, 831-4	1.6	5
87	Optimal Sampling and Maintenance Plans for the Lighting Retrofit Projects Towards Sustainable Energy Savings. <i>Energy Procedia</i> , 2014 , 61, 648-651	2.3	2
86	Optimal Scheduling Strategy for a Grid-connected Photovoltaic System for Heat Pump Water Heaters. <i>Energy Procedia</i> , 2014 , 61, 1511-1514	2.3	15
85	Optimal sampling plan for clean development mechanism lighting projects with lamp population decay. <i>Applied Energy</i> , 2014 , 136, 1184-1192	10.7	13
84	Optimal motion planning for overhead cranes. <i>IET Control Theory and Applications</i> , 2014 , 8, 1833-1842	2.5	90
83	Optimal Energy Management Strategy for Distributed Energy Resources. <i>Energy Procedia</i> , 2014 , 61, 1331-1334	1.1	11
82	Indoor Human Thermal Comfort Optimal Control with Desiccant Wheel Cooling System. <i>Energy Procedia</i> , 2014 , 61, 882-886	2.3	1
81	Dynamics of Discrete-Time Sliding-Mode-Control Uncertain Systems With a Disturbance Compensator. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 3502-3510	8.9	112
80	Improvements to longitudinal Clean Development Mechanism sampling designs for lighting retrofit projects. <i>Applied Energy</i> , 2014 , 126, 256-265	10.7	22
79	Mathematical description for the measurement and verification of energy efficiency improvement. <i>Applied Energy</i> , 2013 , 111, 247-256	10.7	45
78	Hybrid DE-SQP and hybrid PSO-SQP methods for solving dynamic economic emission dispatch problem with valve-point effects. <i>Electric Power Systems Research</i> , 2013 , 103, 192-200	3.5	62
77	Adaptive finite-time consensus in multi-agent networks. <i>Systems and Control Letters</i> , 2013 , 62, 880-889	2.4	77
76	Energy consumption of air conditioners at different temperature set points. <i>Energy and Buildings</i> , 2013 , 65, 412-418	7	38
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