Xiaohua Xia

List of Publications by Year
in descending order

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281 papers	9,137 citations	36303 51 h-index	54911 84 g-index
291 all docs	291 docs citations	291 times ranked	6862 citing authors

#	Article	IF	Citations
1	Biogas potential determination and production optimisation through optimal substrate ratio feeding in co-digestion of water hyacinth, municipal solid waste and cow dung. Biofuels, 2022, 13, 631-641.	2.4	11
2	A review on anaerobic digestion with focus on the role of biomass co-digestion, modelling and optimisation on biogas production and enhancement. Bioresource Technology, 2022, 344, 126311.	9.6	85
3	Explainable artificial intelligence for building energy performance certificate labelling classification. Journal of Cleaner Production, 2022, 355, 131626.	9.3	27
4	Multi-timescale Forecast of Solar Irradiance Based on Multi-task Learning and Echo State Network Approaches. IEEE Transactions on Industrial Informatics, 2021, 17, 300-310.	11.3	43
5	Building Energy Performance Certificate Labelling Classification Based onÂExplainable Artificial Intelligence. Communications in Computer and Information Science, 2021, , 181-196.	0.5	2
6	Tuning the Nanoporous Structure of Carbons Derived from the Composite of Cross-Linked Polymers for Charge Storage Applications. ACS Applied Energy Materials, 2021, 4, 1763-1773.	5.1	13
7	Distributed eventâ€triggered output feedback Hâˆž control for multiâ€agent systems with transmission delays. IET Control Theory and Applications, 2021, 15, 1646-1660.	2.1	3
8	Minimum cost solution to residential energy-water nexus through rainwater harvesting and greywater recycling. Journal of Cleaner Production, 2021, 298, 126742.	9.3	11
9	Towards Cognitive EV Charging Stations Enabled by Digital Twin and Parallel Intelligence. , 2021, , .		5
10	Transient State Modelling and Experimental Investigation of the Thermal Behavior of a Vapor Compression System. Mathematical Problems in Engineering, 2021, 2021, 1-14.	1.1	4
11	Model predictive control of a Venlo-type greenhouse system considering electrical energy, water and carbon dioxide consumption. Applied Energy, 2021, 298, 117163.	10.1	16
12	Distributed control of nonlinear stochastic multi-agent systems with external disturbance and time-delay via event-triggered strategy. Neurocomputing, 2021, 452, 275-283.	5.9	17
13	Optimisation Approach Toward Water Management and Energy Security in Arid/Semiarid Regions. Environmental Processes, 2021, 8, 1455-1480.	3.5	26
14	Co-digestion of water hyacinth, municipal solid waste and cow dung: A methane optimised biogasâ€“liquid petroleum gas hybrid system. Applied Energy, 2021, 304, 117716.	10.1	7
15	Constrained Adaptive Model-Predictive Control for a Class of Discrete-Time Linear Systems With Parametric Uncertainties. IEEE Transactions on Automatic Control, 2020, 65, 2223-2229.	5.7	17
16	Energy-maintenance optimization for retrofitted lighting system incorporating luminous flux degradation to enhance visual comfort. Applied Energy, 2020, 261, 114379.	10.1	20
17	A Real-Time Energy Management and Speed Controller for an Electric Vehicle Powered by a Hybrid Energy Storage System. IEEE Transactions on Industrial Informatics, 2020, 16, 6272-6280.	11.3	34
18	Optimal maintenance planning in building retrofitting with interacting energy effects. Optimal Control Applications and Methods, 2020, 41, 2023-2036.	2.1	2

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19	Maintenance optimization incorporating lumen degradation failure for energy-efficient lighting retrofit projects. Applied Energy, 2020, 267, 115003.	10.1	5
20	Battery energy storage sizing optimisation for different ownership structures in a peer-to-peer energy sharing community. Applied Energy, 2020, 262, 114498.	10.1	83
21	Hierarchical model predictive control of Venlo-type greenhouse climate for improving energy efficiency and reducing operating cost. Journal of Cleaner Production, 2020, 264, 121513.	9.3	36
22	Hierarchical model predictive control of greenhouse climate to reduce energy cost. , 2020, , .		0
23	Distributed control for a multi-evaporator air conditioning system. Control Engineering Practice, 2019, 90, 85-100.	5.5	15
24	An Optimization Approach for Shovel Allocation to Minimize Fuel Consumption in Open-pit Mines: Case of Heterogeneous Fleet of Shovels.. IFAC-PapersOnLine, 2019, 52, 207-212.	0.9	5
25	Optimal dispatch of grid and natural gas generator power in a scheduled compressed natural gas fuelling station. , 2019, , .		1
26	Optimal tank sizing and operation of energy-water supply systems in residences. Energy Procedia, 2019, 159, 352-357.	1.8	3
27	Effect of radiation on the performance of activated carbon base supercapacitor: Part II. Influence of electron irradiation exposure on full cell. Energy Procedia, 2019, 158, 4560-4565.	1.8	0
28	Distributed resource allocation for multi-zone commercial buildings. Energy Procedia, 2019, 158, 2872-2877.	1.8	0
29	Optimal Sizing and Power Sharing of Distributed Hybrid Renewable Energy Systems Considering Socio-Demographic Factors. Energy Procedia, 2019, 159, 340-345.	1.8	6
30	Effect of radiation on the performance of activated carbon base supercapacitor: Part I. Influence of microwave irradiation exposure on electrodes material. Energy Procedia, 2019, 158, 4554-4559.	1.8	3
31	Optimization of the Operational Cost and Environmental Impact of a Multi-Microgrid System. Energy Procedia, 2019, 158, 3827-3832.	1.8	18
32	Receding Horizon Operation Control of a Compressed Natural Gas Station. Energy Procedia, 2019, 158, 2853-2858.	1.8	2
33	A Hierarchical Optimisation of a Compressed Natural Gas Station for Energy and Fuelling Efficiency under a Demand Response Program. Energies, 2019, 12, 2165.	3.1	7
34	A hierarchical predictive control for supercapacitor-retrofitted grid-connected hybrid renewable systems. Applied Energy, 2019, 242, 393-402.	10.1	40
35	Active nonlinear partial-state feedback control of contacting force for a pantographâ€“catenary system. ISA Transactions, 2019, 91, 78-89.	5.7	9
36	A Competitive Swarm Optimizer-Based Technoeconomic Optimization with Appliance Scheduling in Domestic PV-Battery Hybrid Systems. Complexity, 2019, 2019, 1-15.	1.6	1

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37	A New Planar Path-Following Control for Non-Holonomic Systems. , 2019, , .		2
38	Optimal control of a variable speed drive compressor for energy efficiency of a compressed natural gas station. , 2019, , .		1
39	Dynamic State Feedback Decoupling of a DX A/C System. IFAC-PapersOnLine, 2019, 52, 406-411.	0.9	0
40	Estimate and characterize PV power at demand-side hybrid system. Applied Energy, 2018, 218, 66-77.	10.1	20
41	An autonomous hierarchical control for improving indoor comfort and energy efficiency of a direct expansion air conditioning system. Applied Energy, 2018, 221, 450-463.	10.1	29
42	Optimized response to electricity time-of-use tariff of a compressed natural gas fuelling station. Applied Energy, 2018, 222, 244-256.	10.1	20
43	Energy-efficiency building retrofit planning for green building compliance. Building and Environment, 2018, 136, 312-321.	6.9	73
44	Lighting retrofit and maintenance models with decay and adaptive control. IET Control Theory and Applications, 2018, 12, 593-600.	2.1	2
45	Distributed optimization of multi-agent systems with delayed sampled-data. Neurocomputing, 2018, 296, 100-108.	5.9	13
46	Sustainable energy-water management for residential houses with optimal integrated grey and rain water recycling. Journal of Cleaner Production, 2018, 170, 1151-1166.	9.3	36
47	Measurement uncertainty in energy monitoring: Present state of the art. Renewable and Sustainable Energy Reviews, 2018, 82, 2791-2805.	16.4	26
48	A power dispatch model for a ferrochrome plant heat recovery cogeneration system. Applied Energy, 2018, 227, 180-189.	10.1	8
49	Multi-Zone Building Temperature Control and Energy Efficiency Using Autonomous Hierarchical Control Strategy. , 2018, , .		4
50	Hierarchical Power Flow Control of a Grid-tied Photovoltaic Plant Using a Battery-Supercapacitor Energy Storage System. Energy Procedia, 2018, 145, 32-37.	1.8	11
51	Feasibility study of embedded piezoelectric generator system on a highway for street lights electrification. Energy Procedia, 2018, 152, 1015-1020.	1.8	8
52	Distributed Energy Dispatch of Electrical Energy Storage Systems Using Consensus Control Approach. IFAC-PapersOnLine, 2018, 51, 229-234.	0.9	5
53	Model predictive control strategy of energy cost management for a compressed natural gas fuelling station. IFAC-PapersOnLine, 2018, 51, 851-855.	0.9	1
54	A Consensus-Based Dispatch Algorithm of Constrained Electrical Energy Storage Systems. , 2018, , .		1

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55	Tariff-driven demand side management of green ship. Solar Energy, 2018, 170, 991-1000.	6.1	21
56	Bayesian Energy Measurement and Verification Analysis. Energies, 2018, 11, 380.	3.1	16
57	Three dimensional modelling of the components in supercapacitors for proper understanding of the contribution of each parameter to the final electrochemical performance. Journal of Materials Chemistry A, 2018, 6, 17481-17487.	10.3	6
58	A design approach for multiple drive belt conveyors minimizing life cycle costs. Journal of Cleaner Production, 2018, 201, 526-541.	9.3	18
59	Building retrofit optimization models using notch test data considering energy performance certificate compliance. Applied Energy, 2018, 228, 2140-2152.	10.1	28
60	Optimal control of a windâ€“PV-hybrid powered heat pump water heater. Applied Energy, 2017, 185, 1173-1184.	10.1	63
61	A Multistate-Based Control System Approach Toward Optimal Maintenance Planning. IEEE Transactions on Control Systems Technology, 2017, 25, 374-381.	5.2	21
62	Low-cost energy meter calibration method for measurement and verification. Applied Energy, 2017, 188, 563-575.	10.1	15
63	An optimal model for a building retrofit with LEED standard as reference protocol. Energy and Buildings, 2017, 139, 22-30.	6.7	32
64	Techno-economic and environmental optimization of a household photovoltaic-battery hybrid power system within demand side management. Renewable Energy, 2017, 108, 132-143.	8.9	42
65	Output consensus of multiâ€agent systems with delayed and sampledâ€data. IET Control Theory and Applications, 2017, 11, 632-639.	2.1	18
66	Adaptive leaderless consensus of agents in jointly connected networks. Neurocomputing, 2017, 241, 64-70.	5.9	37
67	Control problems in building energy retrofit and maintenance planning. Annual Reviews in Control, 2017, 44, 78-88.	7.9	13
68	Model predictive control of heat pump water heater-instantaneous shower powered with integrated renewable-grid energy systems. Applied Energy, 2017, 204, 1333-1346.	10.1	47
69	Optimal control of conventional hydropower plant retrofitted with a cascaded pumpback system powered by an on-site hydrokinetic system. Energy Conversion and Management, 2017, 132, 438-451.	9.2	14
70	Optimal Control of Hydrokinetic-powered Pumpback System for a Hydropower Plant in Dry Season: A Case Study. Energy Procedia, 2017, 105, 94-101.	1.8	2
71	Economic Dispatch of a Grid-connected Cogeneration Ferrochrome Plant. Energy Procedia, 2017, 105, 1974-1979.	1.8	1
72	Asymmetric supercapacitor based on activated expanded graphite and pinecone tree activated carbon with excellent stability. Applied Energy, 2017, 207, 417-426.	10.1	68

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73	Optimal Operation of Integrated Heat Pump-instant Water Heaters with Renewable Energy. Energy Procedia, 2017, 105, 2151-2156.	1.8	12
74	Optimal energy-water management in urban residential buildings through grey water recycling. Sustainable Cities and Society, 2017, 32, 654-668.	10.4	44
75	A MILP Model for Truck-shovel Scheduling to Minimize Fuel Consumption. Energy Procedia, 2017, 105, 2739-2745.	1.8	6
76	Efficient longitudinal population survival survey sampling for the measurement and verification of lighting retrofit projects. Energy and Buildings, 2017, 150, 163-176.	6.7	4
77	Energy-efficient predictive control of indoor thermal comfort and air quality in a direct expansion air conditioning system. Applied Energy, 2017, 195, 439-452.	10.1	69
78	A multi-objective optimization model for energy-efficiency building envelope retrofitting plan with rooftop PV system installation and maintenance. Applied Energy, 2017, 189, 327-335.	10.1	161
79	A Dual-Loop Control System for Dense Medium Coal Washing Processes With Sampled and Delayed Measurements. IEEE Transactions on Control Systems Technology, 2017, 25, 2211-2218.	5.2	11
80	Efficient metering and surveying sampling designs in longitudinal Measurement and Verification for lighting retrofit. Energy and Buildings, 2017, 154, 430-447.	6.7	6
81	A Portfolio Approach of Demand Side Management. IFAC-PapersOnLine, 2017, 50, 171-176.	0.9	16
82	Control of a battery/supercapacitor hybrid energy storage system for electric vehicles. , 2017, , .		10
83	Demand-side management and control for a class of smart grids based on game theory. , 2017, , .		2
84	Optimal operation of smart multi-energy hub systems incorporating energy hub coordination and demand response strategy. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	23
85	A Preliminary Study on the Robustness of Grouping Based Maintenance Plan Optimization in Building Retrofitting. Energy Procedia, 2017, 105, 3308-3313.	1.8	5
86	Interactive Dynamics in Building Maintenance and Retrofit. Energy Procedia, 2017, 105, 3363-3368.	1.8	1
87	A reduced model for direct expansion air conditioning system and energy efficiency MPC control of indoor climate. , 2017, , .		4
88	Optimal control of heat pump water heater-instantaneous shower using integrated renewable-grid energy systems. Applied Energy, 2017, 201, 332-342.	10.1	31
89	Continuous observer design for a class of multi-output nonlinear systems with multi-rate sampled and delayed output measurements. Automatica, 2017, 75, 127-132.	5.0	46
90	Optimal dispatch for a microgrid incorporating renewables and demand response. Renewable Energy, 2017, 101, 16-28.	8.9	284

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91	Optimal and energy efficient operation of conveyor belt systems with downhill conveyors. Energy Efficiency, 2017, 10, 405-417.	2.8	24
92	Decentralized finite-time adaptive consensus of multiagent systems with fixed and switching network topologies. Neurocomputing, 2017, 219, 59-67.	5.9	35
93	Gameâ€theoretic demandâ€side management and closedâ€loop control for a class of networked smart grid. IET Control Theory and Applications, 2017, 11, 2170-2176.	2.1	3
94	Distributed energy dispatch of electrical energy storage systems. , 2017, , .		2
95	A Comparative Study on the Cost-effective Belt Conveyors for Bulk Material Handling. Energy Procedia, 2017, 142, 2754-2760.	1.8	17
96	Design and characterization of asymmetric supercapacitor useful in hybrid energy storage systems for electric vehicles. IFAC-PapersOnLine, 2017, 50, 83-87.	0.9	4
97	Optimal energy cost management of a CNG fuelling station. IFAC-PapersOnLine, 2017, 50, 94-97.	0.9	7
98	An optimization model for building envelope retrofit considering energy performance certificate. , 2017, , .		2
99	Cost optimization design approach for multiple drive belt conveyors. , 2017, , .		6
100	Optimal energy mix of a microhydro-wind-grid system powering a dairy farm in Western Cape, South Africa.. Energy Procedia, 2017, 142, 708-715.	1.8	5
101	Optimization of a compressed natural gas station operation to minimize energy cost. Energy Procedia, 2017, 142, 2003-2008.	1.8	8
102	A cost-effective approach to handle measurement and verification uncertainties of energy savings. Energy, 2017, 141, 1600-1609.	8.8	5
103	Nonlinear model reduction for direct expansion air conditioning and MPC control of indoor climate and energy efficiency. , 2017, , .		1
104	Distributed illumination control of LED networked systems via local occupancy information. , 2017, , .		2
105	Energy optimisations in large-scale lighting retrofit projects. , 2017, , .		1
106	Compressor and priority panel optimization for an energy efficient CNG fuelling station. , 2017, , .		4
107	Optimal Control of a Hybrid Battery/Supercapacitor Storage for Neighborhood Electric Vehicles. Energy Procedia, 2017, 105, 2145-2150.	1.8	21
108	Asymmetric Carbon Supercapacitor with Activated Expanded Graphite as Cathode and Pinecone Tree Activated Carbon as Anode Materials. Energy Procedia, 2017, 105, 4098-4103.	1.8	20

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109	Large-scale building energy efficiency retrofit: Concept, model and control. Energy, 2016, 109, 456-465.	8.8	68
110	Integrated Energy Management of Grid-tied-PV-fuel Cell Hybrid System. Energy Procedia, 2016, 103, 111-116.	1.8	8
111	Optimal Integrated Diesel Grid-renewable Energy System for Hot Water Devices. Energy Procedia, 2016, 103, 117-122.	1.8	6
112	Evolutionary game theoretic demand-side management and control for a class of networked smart grid. Automatica, 2016, 70, 94-100.	5.0	60
113	Industrial energy systems in view of energy efficiency and operation control. Annual Reviews in Control, 2016, 42, 299-308.	7.9	24
114	Lyapunovâ€based adaptive model predictive control for unconstrained nonâ€linear systems with parametric uncertainties. IET Control Theory and Applications, 2016, 10, 1937-1943.	2.1	18
115	Event-triggered group consensus of leader-following multi-agent systems with nonlinear dynamics. , 2016, , .		4
116	Coordinated two-stage volt/var management in distribution networks. Electric Power Systems Research, 2016, 141, 157-164.	3.6	17
117	Model predictive control strategy of energy-water management in urban households. Applied Energy, 2016, 179, 821-831.	10.1	35
118	Optimal control of a fuel cell/wind/PV/grid hybrid system with thermal heat pump load. Solar Energy, 2016, 135, 59-69.	6.1	89
119	Continuous output feedback stabilization for nonlinear systems based on sampled and delayed output measurements. International Journal of Robust and Nonlinear Control, 2016, 26, 3075-3087.	3.7	24
120	Combined residential demand side management strategies with coordination and economic analysis. International Journal of Electrical Power and Energy Systems, 2016, 79, 150-160.	5.5	78
121	Optimal metering plan for measurement and verification on a lighting case study. Energy, 2016, 95, 580-592.	8.8	15
122	Optimal flow control of a forced circulation solar water heating system with energy storage units and connecting pipes. Renewable Energy, 2016, 89, 108-124.	8.9	37
123	Adaptive Model Predictive Control for Unconstrained Discrete-Time Linear Systems With Parametric Uncertainties. IEEE Transactions on Automatic Control, 2016, 61, 3171-3176.	5.7	59
124	Modelling of coal trade process for the logistics enterprise and its optimisation with stochastic predictive control. International Journal of Production Research, 2016, 54, 2241-2259.	7.5	9
125	Optimal control of maintenance instants and intensities in building energy efficiency retrofitting project. , 2015, , .		3
126	Nonlinear Trajectory Tracking Control for Heavy-Haul Trains. IFAC-PapersOnLine, 2015, 48, 41-46.	0.9	4

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127	A Parametric Energy Model for Energy Management of Long Belt Conveyors. Energies, 2015, 8, 13590-13608.	3.1	48
128	Medium Density Control for Coal Washing Dense Medium Cyclone Circuits. IEEE Transactions on Control Systems Technology, 2015, 23, 1117-1122.	5.2	14
129	Model predictive control for improving operational efficiency of overhead cranes. Nonlinear Dynamics, 2015, 79, 2639-2657.	5.2	124
130	Optimization of mine ventilation fan speeds according to ventilation on demand and time of use tariff. Applied Energy, 2015, 146, 65-73.	10.1	70
131	Nonlinear model predictive control with semi-contracting constraint and generalized terminal constraint. , 2015, , .		0
132	Predictive control for thermal comfort and energy efficiency in a direct expansion air conditioning system. , 2015, , .		1
133	Maintenance plan optimization in building retrofitting with interacting energy efficiency effects. , 2015, , .		1
134	Magnetite and water addition control for a dense medium coal washing circuit. , 2015, , .		3
135	Optimal Power Control of Grid Tied PV-battery-diesel System Powering Heat Pump Water Heaters. Energy Procedia, 2015, 75, 1514-1521.	1.8	12
136	An optimal maintenance plan for building envelope insulation materials after retrofitting. , 2015, , .		2
137	Optimal power flow management for distributed energy resources with batteries. Energy Conversion and Management, 2015, 102, 104-110.	9.2	128
138	Optimal maintenance planning for sustainable energy efficiency lighting retrofit projects by a control system approach. Control Engineering Practice, 2015, 37, 1-10.	5.5	41
139	Optimal switching renewable energy system for demand side management. Solar Energy, 2015, 114, 278-288.	6.1	55
140	Optimal scheduling of household appliances with a battery storage system and coordination. Energy and Buildings, 2015, 94, 61-70.	6.7	103
141	Optimal power dispatch of a grid tied-battery-photovoltaic system supplying heat pump water heaters. Energy Conversion and Management, 2015, 102, 81-91.	9.2	63
142	How information propagation in social networks can improve energy savings based on time of use tariff. Sustainable Cities and Society, 2015, 19, 26-33.	10.4	12
143	Optimal energy control of grid tied PVâ€“dieselâ€“battery hybrid system powering heat pump water heater. Solar Energy, 2015, 115, 243-254.	6.1	55
144	Demand side management of photovoltaic-battery hybrid system. Applied Energy, 2015, 148, 294-304.	10.1	233

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145	Optimal maintenance planning for building energy efficiency retrofitting from optimization and control system perspectives. Energy and Buildings, 2015, 96, 299-308.	6.7	55
146	Model predictive control for optimizing indoor air temperature and humidity in a direct expansion air conditioning system. , 2015, , .		4
147	Coal washing plant cyclone module control with a pump-storage system. , 2015, , .		0
148	Energy-water optimization model incorporating rooftop water harvesting for lawn irrigation. Applied Energy, 2015, 160, 521-531.	10.1	23
149	Operation efficiency optimisation modelling and application of model predictive control. IEEE/CAA Journal of Automatica Sinica, 2015, 2, 166-172.	13.1	19
150	An Integer Programming Approach for Truck-Shovel Dispatching Problem in Open-Pit Mines. Energy Procedia, 2015, 75, 1779-1784.	1.8	36
151	A combined dynamic economic emission dispatch and time of use demand response mathematical modelling framework. Journal of Renewable and Sustainable Energy, 2015, 7, .	2.0	20
152	Implementing a model predictive control strategy on the dynamic economic emission dispatch problem with game theory based demand response programs. Energy, 2015, 91, 404-419.	8.8	53
153	A Multi-objective Optimization Model for Building Envelope Retrofit Planning. Energy Procedia, 2015, 75, 1299-1304.	1.8	28
154	Switching control for renewable hybrid systems. , 2015, , .		0
155	Multi-objective dynamic economic emission dispatch of electric power generation integrated with game theory based demand response programs. Energy Conversion and Management, 2015, 89, 963-974.	9.2	159
156	Switched Model Predictive Control for Energy Dispatching of a Photovoltaic-Diesel-Battery Hybrid Power System. IEEE Transactions on Control Systems Technology, 2015, 23, 1229-1236.	5.2	125
157	Improving building energy efficiency by multiobjective neighborhood field optimization. Energy and Buildings, 2015, 87, 45-56.	6.7	67
158	Optimal Scheduling of Household Appliances Incorporating Appliance Coordination. Energy Procedia, 2014, 61, 198-202.	1.8	18
159	Mathematical Modeling of HIV Dynamics After Antiretroviral Therapy Initiation: A Clinical Research Study. AIDS Research and Human Retroviruses, 2014, 30, 831-834.	1.1	7
160	Optimal Sampling and Maintenance Plans for the Lighting Retrofit Projects Towards Sustainable Energy Savings. Energy Procedia, 2014, 61, 648-651.	1.8	4
161	Optimal Scheduling Strategy for a Grid-connected Photovoltaic System for Heat Pump Water Heaters. Energy Procedia, 2014, 61, 1511-1514.	1.8	21
162	Optimal sampling plan for clean development mechanism lighting projects with lamp population decay. Applied Energy, 2014, 136, 1184-1192.	10.1	18

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163	Optimal schedule of photovoltaic-battery hybrid system at demand side. , 2014, , .		2
164	Optimal motion planning for overhead cranes. IET Control Theory and Applications, 2014, 8, 1833-1842.	2.1	131
165	Optimal Energy Management Strategy for Distributed Energy Resources. Energy Procedia, 2014, 61, 1331-1334.	1.8	16
166	Indoor Human Thermal Comfort Optimal Control with Desiccant Wheel Cooling System. Energy Procedia, 2014, 61, 882-886.	1.8	1
167	Dynamics of Discrete-Time Sliding-Mode-Control Uncertain Systems With a Disturbance Compensator. IEEE Transactions on Industrial Electronics, 2014, 61, 3502-3510.	7.9	162
168	Improvements to longitudinal Clean Development Mechanism sampling designs for lighting retrofit projects. Applied Energy, 2014, 126, 256-265.	10.1	29
169	Optimal energy management for a jaw crushing process in deep mines. Energy, 2014, 68, 337-348.	8.8	43
170	Adaptive Parameter Estimation for an Energy Model of Belt Conveyor with <scp>DC</scp> Motor. Asian Journal of Control, 2014, 16, 1122-1132.	3.0	12
171	A multi-objective optimization model for the life-cycle cost analysis and retrofitting planning of buildings. Energy and Buildings, 2014, 77, 227-235.	6.7	153
172	Decentralized adaptive consensus of multi-agent in networks with switching topologies. , 2014, , .		2
173	Mathematical Modeling of HIV Dynamics After Antiretroviral Therapy Initiation: A Review. BioResearch Open Access, 2014, 3, 233-241.	2.6	22
174	Optimisation of mine ventilation fan speeds on demand. , 2014, , .		3
175	Dynamical Behaviors of an Euler Discretized Sliding Mode Control Systems. IEEE Transactions on Automatic Control, 2014, 59, 2525-2529.	5.7	19
176	A Dual-loop Model Predictive Voltage Control/Sliding-mode Current Control for Voltage Source Inverter Operation in Smart Microgrids. Electric Power Components and Systems, 2014, 42, 348-360.	1.8	18
177	Mathematical modelling for the social impact to energy efficiency savings. Energy and Buildings, 2014, 84, 344-351.	6.7	9
178	Energy dispatch strategy for a photovoltaicâ€“windâ€“dieselâ€“battery hybrid power system. Solar Energy, 2014, 108, 412-420.	6.1	120
179	Analysing the economic benefit of electricity price forecast in industrial load scheduling. Electric Power Systems Research, 2014, 116, 158-165.	3.6	35
180	Finite time dual neural networks with a tunable activation function for solving quadratic programming problems and its application. Neurocomputing, 2014, 143, 80-89.	5.9	51

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181	Improving energy efficiency of cyclone circuits in coal beneficiation plants by pump-storage systems. Applied Energy, 2014, 119, 306-313.	10.1	33
182	Optimal scheduling of household appliances for demand response. Electric Power Systems Research, 2014, 116, 24-28.	3.6	264
183	Energy Efficiency of Overhead Cranes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 19-24.	0.4	11
184	Optimal lighting project maintenance planning by a control system approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 3152-3157.	0.4	2
185	A Control System Approach to Corrective Maintenance Planning of Building Retrofitted Facilities. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 12056-12061.	0.4	0
186	Continuous observer design for nonlinear systems with sampled and delayed output measurements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 269-274.	0.4	16
187	Model Predictive Control for Energy Dispatch of a Photovoltaic-Diesel-Battery Hybrid Power System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 11135-11140.	0.4	11
188	A Model Predictive Control for Coal Beneficiation Dense Medium Cyclones. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 9810-9815.	0.4	8
189	An Optimization Model for Reducing Energy Usage of Coal Washing Plants. Energy Procedia, 2014, 61, 1017-1020.	1.8	2
190	Mathematical description for the measurement and verification of energy efficiency improvement. Applied Energy, 2013, 111, 247-256.	10.1	67
191	Hybrid DE-SQP and hybrid PSO-SQP methods for solving dynamic economic emission dispatch problem with valve-point effects. Electric Power Systems Research, 2013, 103, 192-200.	3.6	90
192	Adaptive finite-time consensus in multi-agent networks. Systems and Control Letters, 2013, 62, 880-889.	2.3	91
193	Energy consumption of air conditioners at different temperature set points. Energy and Buildings, 2013, 65, 412-418.	6.7	65
194	Minimum cost solution of photovoltaicâ€“dieselâ€“battery hybrid power systems for remote consumers. Solar Energy, 2013, 96, 292-299.	6.1	175
195	Optimal meter commitment solutions to CDM energy effciency lighting projects. , 2013, , .		0
196	Characterising Compact Fluorescent Lamp population decay. , 2013, , .		9
197	Decomposed Model Predictive Control for Economic Dispatch problems. , 2013, , .		1
198	Social influence and energy efficiency savings. , 2013, , .		0

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