Muhammad Aziz

List of Publications by Year
in descending order

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203	5,252	81434	134545
papers	citations	41 h-index	62 g-index

206	206	206	4000
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Integrated systems from agricultural waste for power generation. , 2022, , 187-212.		0
2	Application of exergy analysis and enhanced process integration. , 2022, , 61-105.		1
3	Proposed integrated system from black liquor. , 2022, , 107-148.		0
4	An overview of biomass waste utilization. , 2022, , 1-23.		2
5	Integrated ammonia production from the empty fruit bunch. , 2022, , 149-185.		8
6	Process and products of biomass conversion technology. , 2022, , 25-60.		1
7	Highly integrated system for ammonia and electricity production from biomass employing direct chemical looping: Exergy and exergoeconomic analyses. Energy Conversion and Management, 2022, 251, 115013.	4.4	15
8	Flexible operation strategy of an integrated renewable multi-generation system for electricity, hydrogen, ammonia, and heating. Energy Conversion and Management, 2022, 253, 115166.	4.4	50
9	Conversion of municipal solid waste to hydrogen and its storage to methanol. Sustainable Energy Technologies and Assessments, 2022, 51, 101968.	1.7	5
10	Utilization of Electric Vehicles for Vehicle-to-Grid Services: Progress and Perspectives. Energies, 2022, 15, 589.	1.6	114
11	Electric Vehicles in Malaysia and Indonesia: Opportunities and Challenges. Energies, 2022, 15, 2564.	1.6	14
12	Clean hydrogen for mobility â€“ Quo vadis?. International Journal of Hydrogen Energy, 2022, 47, 20632-20661.	3.8	37
13	Harvesting Energy from Ocean: Technologies and Perspectives. Energies, 2022, 15, 3456.	1.6	25
14	Design and analysis of biomass-to-ammonia-to-power as an energy storage method in a renewable multi-generation system. Energy Conversion and Management, 2022, 261, 115611.	4.4	25
15	Techno-economic analyses of power-to-ammonia-to-power and biomass-to-ammonia-to-power pathways for carbon neutrality scenario. Applied Energy, 2022, 319, 119272.	5.1	21
16	Multi-Criteria Assessment for City-Wide Rooftop Solar PV Deployment: A Case Study of Bandung, Indonesia. Remote Sensing, 2022, 14, 2796.	1.8	8
17	Thermodynamic analysis of hydrogen utilization as alternative fuel in cement production. South African Journal of Chemical Engineering, 2022, 42, 23-31.	1.2	0
18	Gasification of rice wastes toward green and sustainable energy production: A review. Journal of Cleaner Production, 2022, 366, 132926.	4.6	17

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19	Solar-assisted biomass chemical looping gasification in an indirect coupling: Principle and application. Applied Energy, 2022, 323, 119635.	5.1	6
20	Dry steam power plant: Thermodynamic analysis and system improvement. , 2021, , 97-111.		0
21	Gasification and Power Generation Characteristics of Rice Husk, Sawdust, and Coconut Shell Using a Fixed-Bed Downdraft Gasifier. Sustainability, 2021, 13, 2027.	1.6	25
22	Technological review on thermochemical conversion of COVID-19-related medical wastes. Resources, Conservation and Recycling, 2021, 167, 105429.	5.3	91
23	Municipal Solid Waste Management and Waste-to-Energy Potential from Rajshahi City Corporation in Bangladesh. Applied Sciences (Switzerland), 2021, 11, 3744.	1.3	22
24	Production of ammonia as potential hydrogen carrier: Review on thermochemical and electrochemical processes. International Journal of Hydrogen Energy, 2021, 46, 14455-14477.	3.8	74
25	Combined Hot Air, Microwave, and Infrared Drying of Hawthorn Fruit: Effects of Ultrasonic Pretreatment on Drying Time, Energy, Qualitative, and Bioactive Compoundsâ€™ Properties. Foods, 2021, 10, 1006.	1.9	30
26	Enhancement of Continuous-Feed Low-Cost Solar Distiller: Effects of Various Fin Designs. Energies, 2021, 14, 4844.	1.6	11
27	Thermodynamic analysis of a tri-generation system driven by biomass direct chemical looping combustion process. Energy Conversion and Management, 2021, 244, 114517.	4.4	16
28	Investigation of Optimal Hybrid Energy Systems Using Available Energy Sources in a Rural Area of Bangladesh. Energies, 2021, 14, 5794.	1.6	30
29	Liquid Hydrogen: A Review on Liquefaction, Storage, Transportation, and Safety. Energies, 2021, 14, 5917.	1.6	171
30	Prediction of heat transfer enhancement of delta-wing tape inserts using artificial neural network. Case Studies in Thermal Engineering, 2021, 27, 101322.	2.8	29
31	Comparative thermodynamic and techno-economic assessment of green methanol production from biomass through direct chemical looping processes. Journal of Cleaner Production, 2021, 321, 129023.	4.6	53
32	Hydrogen production from biomasses and wastes: A technological review. International Journal of Hydrogen Energy, 2021, 46, 33756-33781.	3.8	125
33	Prospect of hydrogen energy in Asia-Pacific: A perspective review on techno-socio-economy nexus. International Journal of Hydrogen Energy, 2021, 46, 35027-35056.	3.8	73
34	Energy-saving and environmentally-benign integrated ammonia production system. Energy, 2021, 235, 121400.	4.5	11
35	Ultrafiltration of Î±-Lactalbumin Protein: Acquaintance of the Filtration Performance by Membrane Structure and Surface Alteration. Polymers, 2021, 13, 3632.	2.0	7
36	A Review on Drive Train Technologies for Passenger Electric Vehicles. Energies, 2021, 14, 6742.	1.6	33

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37	All-solid-state Z-scheme plasmonic Si@Au nanoparticles on CuBi2O4/BiVO4 for efficient photocatalytic activity. Advanced Powder Technology, 2021, 32, 4330-4342.	2.0	5
38	Low-Cost Air-Cooling System Optimization on Battery Pack of Electric Vehicle. Energies, 2021, 14, 7954.	1.6	23
39	Energy Management System of Electric Bus Equipped with Regenerative Braking and Range Extender. International Journal of Automotive Technology, 2021, 22, 1651-1664.	0.7	13
40	Mass transfer of adsorption of methylene blue into biomass-based activated carbons: heterogeneous surface diffusion model. Separation Science and Technology, 2020, 55, 2269-2280.	1.3	6
41	Heat transfer augmentation of internal flow using twisted tape insert in turbulent flow. Heat Transfer Engineering, 2020, 41, 1288-1300.	1.2	52
42	Structure characterization and biological activity of 2-arylbenzofurans from an Indonesian plant, Sesbania grandiflora (L.) Pers. Phytochemistry Letters, 2020, 35, 211-215.	0.6	15
43	Ultrasonic-Microwave and Infrared Assisted Convective Drying of Carrot: Drying Kinetic, Quality and Energy Consumption. Applied Sciences (Switzerland), 2020, 10, 6309.	1.3	22
44	CO2-free power generation employing integrated ammonia decomposition and hydrogen combustion-based combined cycle. Thermal Science and Engineering Progress, 2020, 19, 100672.	1.3	10
45	Direct ammonia production via a combination of carbonization and thermochemical cycle from empty fruit bunch. Thermal Science and Engineering Progress, 2020, 20, 100673.	1.3	1
46	Application of Multiple Unipolar Axial Eddy Current Brakes for Lightweight Electric Vehicle Braking. Applied Sciences (Switzerland), 2020, 10, 4659.	1.3	14
47	Finite Element Analysis of Liquefied Ammonia Tank for Mobility Vehicles Employing Polymers and Composites. Energies, 2020, 13, 5312.	1.6	1
48	Ammonia as Effective Hydrogen Storage: A Review on Production, Storage and Utilization. Energies, 2020, 13, 3062.	1.6	279
49	Effects of physical and chemical pretreatments on drying and quality properties of blackberry (Rubus spp.) in hot air dryer. Food Science and Nutrition, 2020, 8, 3843-3856.	1.5	17
50	Acid mine drainage: Why don't we look at it as energy?. AIP Conference Proceedings, 2020, , .	0.3	0
51	Techno Economic Analysis of Vehicle to Grid (V2G) Integration as Distributed Energy Resources in Indonesia Power System. Energies, 2020, 13, 1162.	1.6	58
52	Efficient co-production of power and ammonia from black liquor. International Journal of Hydrogen Energy, 2020, 45, 34437-34448.	3.8	8
53	Advanced integrated systems for hydrogen production and storage from low-rank fuels. , 2020, , 115-146.		0
54	Nonlinear Piezoresistive Behavior of Plain-Woven Carbon Fiber Reinforced Polymer Composite Subjected to Tensile Loading. Applied Sciences (Switzerland), 2020, 10, 1366.	1.3	11

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55	Effect of wing-pitch ratio of double-sided delta-wing tape insert on the improvement of convective heat transfer. International Journal of Thermal Sciences, 2020, 151, 106261.	2.6	29
56	A Novel Approach on the Unipolar Axial Type Eddy Current Brake Model Considering the Skin Effect. Energies, 2020, 13, 1561.	1.6	8
57	Current Status of Hydrothermal Treatment for Energy and Material Recovery Toward a Sustainable Post-consumer Material Cycle. Makara Journal of Technology, 2020, 24, 25.	0.4	0
58	Catalytic Pyrolysis of Spirulina platensis Residue (SPR): Thermochemical Behavior and Kinetics. International Journal of Technology, 2020, 11, 522.	0.4	3
59	Towards clean palm oil processing: Integrated ammonia production from empty fruit bunch and palm oil effluent. Journal of Cleaner Production, 2019, 236, 117680.	4.6	19
60	Strengthening scientific literacy on nuclear reactor and its application through Nuclear School. Journal of Physics: Conference Series, 2019, 1175, 012168.	0.3	0
61	Optimization of Membrane Electrode Assembly of PEM Fuel Cell by Response Surface Method. Molecules, 2019, 24, 3097.	1.7	19
62	Promoting global education in science and engineering: An experience in Indonesian high schools. Journal of Physics: Conference Series, 2019, 1175, 012167.	0.3	2
63	Engineering Studentsâ€™ Reference of Low Enthalpy Geothermal Potential in Parangtritis. Journal of Physics: Conference Series, 2019, 1175, 012187.	0.3	0
64	Comparison of liquid hydrogen, methylcyclohexane and ammonia on energy efficiency and economy. Energy Procedia, 2019, 158, 4086-4091.	1.8	43
65	Heat Transfer Enhancement of TiO2/Water Nanofluids Flowing Inside a Square Minichannel with a Microfin Structure: A Numerical Investigation. Energies, 2019, 12, 3041.	1.6	28
66	Potential distributions of electric vehicle secondary used batteries for frequency regulation in Europe. Energy Procedia, 2019, 159, 394-399.	1.8	6
67	Energy recovery potential from excavating municipal solid waste dumpsite in Indonesia. Energy Procedia, 2019, 158, 243-248.	1.8	30
68	Efficient black liquor conversion to power and H2 by adopting negative emission technology. Energy Procedia, 2019, 158, 266-271.	1.8	1
69	Py-GC-MS of refuse materials in waste to energy point of view. Energy Procedia, 2019, 158, 497-501.	1.8	3
70	Dual-stage chemical looping of microalgae for methanol production with negative-carbon emission. Energy Procedia, 2019, 158, 842-847.	1.8	2
71	Co-production of hydrogen and power from black liquor via supercritical water gasification, chemical looping and power generation. Energy Procedia, 2019, 158, 2299-2304.	1.8	7
72	Co-production of hydrogen and power from palm mill wastes. Energy Procedia, 2019, 158, 1891-1896.	1.8	3

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73	Integrated power-to-gas and power generation system through chemical looping combustion: a conceptual design. Energy Procedia, 2019, 158, 1904-1909.	1.8	3
74	The future of electric vehicles to grid integration in Indonesia. Energy Procedia, 2019, 158, 4592-4597.	1.8	19
75	Utilization of electric vehicles for frequency regulation in Danish electrical grid. Energy Procedia, 2019, 158, 3020-3025.	1.8	11
76	Application opportunity of vehicles-to-grid in Indonesian electrical grid. Energy Procedia, 2019, 160, 621-626.	1.8	7
77	Modeling of efficiently-integrated algal gasification, nitrogen production, ammonia synthesis, and power generation. Energy Procedia, 2019, 160, 627-632.	1.8	2
78	Computational Fluid Dynamics Analysis of an Enhanced Tube with Backward Louvered Strip Insert. Energies, 2019, 12, 3370.	1.6	5
79	Internal Flow in an Enhanced Tube Having Square-cut Twisted Tape Insert. Energies, 2019, 12, 306.	1.6	47
80	Integrated system of thermochemical cycle of ammonia, nitrogen production, and power generation. International Journal of Hydrogen Energy, 2019, 44, 17525-17534.	3.8	40
81	Black liquor-based hydrogen and power co-production: Combination of supercritical water gasification and syngas chemical looping. Applied Energy, 2019, 252, 113446.	5.1	39
82	Utilization of mixed organic-plastic municipal solid waste as renewable solid fuel employing wet torrefaction. Waste Management, 2019, 95, 1-9.	3.7	45
83	Novel configuration of supercritical water gasification and chemical looping for highly-efficient hydrogen production from microalgae. Renewable and Sustainable Energy Reviews, 2019, 112, 369-381.	8.2	73
84	Excavated waste characteristic from Semarang City landfill sites. Part 1: physical characteristic. IOP Conference Series: Earth and Environmental Science, 2019, 245, 012046.	0.2	1
85	Liquid hydrogen, methylcyclohexane, and ammonia as potential hydrogen storage: Comparison review. International Journal of Hydrogen Energy, 2019, 44, 15026-15044.	3.8	301
86	Microalgae-based coproduction of ammonia and power employing chemical looping process. Chemical Engineering Research and Design, 2019, 146, 311-323.	2.7	24
87	Ammonia production from algae via integrated hydrothermal gasification, chemical looping, N2 production, and NH3 synthesis. Energy, 2019, 174, 331-338.	4.5	38
88	A conceptual chemical looping combustion power system design in a power-to-gas energy storage scenario. International Journal of Hydrogen Energy, 2019, 44, 9636-9642.	3.8	30
89	Integrated Electric Vehicle to Small-Scale Energy Management System. Communications in Computer and Information Science, 2019, , 94-107.	0.4	0
90	Hydrogen Production from Algal Pathways. , 2019, , 975-1002.		1

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91	Dissemination of technology information through YouTube: a case of renewable energy technology. Telkomnika (Telecommunication Computing Electronics and Control), 2019, 17, 1526.	0.6	3
92	Advanced Green Technologies Toward Future Sustainable Energy Systems. Indonesian Journal of Science and Technology, 2019, 4, 89.	0.7	5
93	A Study on DC Limit Parameters in RCD Operation Using Capacitor. Journal of Engineering Science and Technology Review, 2019, 12, 7-14.	0.2	4
94	Charging Behaviors of Electric Vehicles Based on Charging Necessity Judgment Model: Effects of Base Charging Existence and Battery Capacity Enlargement. IEEJ Transactions on Electronics, Information and Systems, 2019, 139, 1357-1367.	0.1	0
95	Integrated system of rice production and electricity generation. Applied Energy, 2018, 220, 672-680.	5.1	12
96	Energy-efficient recovery of black liquor through gasification and syngas chemical looping. Applied Energy, 2018, 219, 290-298.	5.1	67
97	Sesbagrandiflorain A and B: isolation of two new 2-arylbenzofurans from the stem bark ofSesbania grandiflora. Natural Product Research, 2018, 32, 2558-2564.	1.0	15
98	Use of the Kalina cycle as a bottoming cycle in a geothermal power plant: Case study of the Wayang Windu geothermal power plant. Applied Thermal Engineering, 2018, 132, 686-696.	3.0	38
99	Carbon-free hydrogen production from low rank coal. AIP Conference Proceedings, 2018, , .	0.3	0
100	Mitigation of congestion related to quick charging of electric vehicles based on waiting time and costâ€“benefit analyses: A japanese case study. Sustainable Cities and Society, 2018, 36, 99-106.	5.1	60
101	Dry steam cycle application for excess steam utilization: Kamojang geothermal power plant case study. Renewable Energy, 2018, 117, 157-165.	4.3	40
102	Electric vehicle utilization for ancillary grid services. AIP Conference Proceedings, 2018, , .	0.3	2
103	Development of Static and Dynamic Online Measurement System for Ground Vehicles. , 2018, , .		2
104	Dimensional and Parametric Study on Thermal Behaviour of Li-ion Batteries. , 2018, , .		11
105	Study of Kalina cycle as waste energy utilization system in Wayang Windu geothermal power plant. AIP Conference Proceedings, 2018, , .	0.3	1
106	Implementation of Electric Vehicle and Grid Integration. , 2018, , .		7
107	Efficient black liquor conversion to power and H2 based on process integration and exergy recovery. Energy Procedia, 2018, 152, 1272-1277.	1.8	2
108	Potential ancillary services of electric vehicles (vehicle-to-grid) in Indonesia. Energy Procedia, 2018, 152, 1218-1223.	1.8	8

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109	Integration of Project Activity to Enhance the Scientific Process Skill and Self-Efficacy in Zoology of Vertebrate Teaching and Learning. Eurasia Journal of Mathematics, Science and Technology Education, 2018, 14, .	0.7	8
110	Numerical Study of Heat Transfer Enhancement of Internal Flow Using Double-Sided Delta-Winglet Tape Insert. Energies, 2018, 11, 3170.	1.6	35
111	Production, transportation, and utilization of carbon-free hydrogen. AIP Conference Proceedings, 2018, , .	0.3	3
112	The Role of Interfacial Rigidity to Crack Propagation Path in Fiber Reinforced Polymer Composite. Fibers and Polymers, 2018, 19, 1980-1988.	1.1	12
113	Double-sided delta-wing tape inserts to enhance convective heat transfer and fluid flow characteristics of a double-pipe heat exchanger. Applied Thermal Engineering, 2018, 145, 27-37.	3.0	84
114	Highly energy-efficient combination of dehydrogenation of methylcyclohexane and hydrogen-based power generation. Applied Energy, 2018, 226, 31-38.	5.1	50
115	Evaluation of bonding strength and fracture criterion for aluminum alloyâ€“woven composite adhesive joint based on cohesive zone model. International Journal of Adhesion and Adhesives, 2018, 85, 193-201.	1.4	9
116	Dry steam cycle optimization for the utilization of excess steam at Kamojang geothermal power plant. AIP Conference Proceedings, 2018, , .	0.3	0
117	Lithium recovery from spent Li-ion batteries using coconut shell activated carbon. Waste Management, 2018, 79, 454-461.	3.7	46
118	Heat Transfer Enhancement of TiO2/Water Nanofluid at Laminar and Turbulent Flows: A Numerical Approach for Evaluating the Effect of Nanoparticle Loadings. Energies, 2018, 11, 1584.	1.6	44
119	Finite Element Analysis on the Unloading Elastic Modulus of Aluminum Foams by Unit-cell Model. IOP Conference Series: Materials Science and Engineering, 2018, 288, 012069.	0.3	3
120	Advanced Battery-Assisted Quick Charger for Electric Vehicles. Green Energy and Technology, 2018, , 201-224.	0.4	2
121	Working Volume and Milling Time on the Product Size/Morphology, Product Yield, and Electricity Consumption in the Ball-Milling Process of Organic Material. Indonesian Journal of Science and Technology, 2018, 3, 82.	0.7	9
122	Alanine as natural biopesticide from Mirabilis jalapa and its interaction with glutamate as an inhibitor in insects immune system. Journal of Biological Researches, 2018, 23, 77-83.	0.0	2
123	On the Lightweight Structural Design for Electric Road and Railway Vehicles using Fiber Reinforced Polymer Composites â€“ A Review. International Journal of Sustainable Transportation Technology, 2018, 1, 21-29.	0.1	23
124	Hydrogen Production from Algal Pathways. , 2018, , 1-28.		0
125	Investigation of the physical characteristics of washed hydrochar pellets made from empty fruit bunch. Fuel Processing Technology, 2017, 160, 109-120.	3.7	56
126	Algae to Hydrogen: Novel Energy-Efficient Co-Production of Hydrogen and Power. , 2017, , 459-486.		1

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127	Enhanced Process Integration of Entrained Flow Gasification and Combined Cycle: Modeling and Simulation Using Aspen Plus. Energy Procedia, 2017, 105, 303-308.	1.8	14
128	Municipal solid waste processing and separation employing wet torrefaction for alternative fuel production and aluminum reclamation. Waste Management, 2017, 67, 106-120.	3.7	30
129	Enhanced process integration of black liquor evaporation, gasification, and combined cycle. Applied Energy, 2017, 204, 1035-1042.	5.1	52
130	Retrofitting existing coal power plants through cofiring with hydrothermally treated empty fruit bunch and a novel integrated system. Applied Energy, 2017, 204, 1138-1147.	5.1	33
131	Energy-saving combination of N2 production, NH3 synthesis, and power generation. International Journal of Hydrogen Energy, 2017, 42, 27174-27183.	3.8	55
132	Combined supercritical water gasification of algae and hydrogenation for hydrogen production and storage. Energy Procedia, 2017, 119, 530-535.	1.8	9
133	Energy-efficient Conversion of Microalgae to Hydrogen and Power. Energy Procedia, 2017, 105, 453-458.	1.8	6
134	Hydrothermally-treated Empty Fruit Bunch Cofiring in Coal Power Plants: A Techno-Economic Assessment. Energy Procedia, 2017, 105, 297-302.	1.8	4
135	Highly Energy-efficient Conversion of Lignite to H 2 and Power. Energy Procedia, 2017, 105, 1495-1500.	1.8	1
136	Cofiring Assessment of Hydrothermally-treated Empty Fruit Bunch and Low Rank Coal in a Drop Tube Furnace. Energy Procedia, 2017, 105, 1545-1550.	1.8	1
137	Design of an airborne vertical axis wind turbine for low electrical power demands. International Journal of Energy and Environmental Engineering, 2017, 8, 293-301.	1.3	14
138	Cogeneration of power and H2 by steam gasification and syngas chemical looping of macroalgae. Applied Energy, 2017, 207, 134-145.	5.1	86
139	Actual Congestion and Effect of Charger Addition in the Quick Charger Station: Case Study Based on the Records of Expressway. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq1 1 0.784314 rgBT /Overlock	0.2	0
140	Advanced power generation using biomass wastes from palm oil mills. Applied Thermal Engineering, 2017, 114, 1378-1386.	3.0	37
141	Energy conservative brown coal conversion to hydrogen and power based on enhanced process integration: Integrated drying, coal direct chemical looping, combined cycle and hydrogenation. International Journal of Hydrogen Energy, 2017, 42, 2904-2913.	3.8	69
142	Utilization of excess steam through dry steam cycle at Kamojang geothermal power plant. Energy Procedia, 2017, 142, 160-165.	1.8	4
143	Adoption of Kalina cycle as a bottoming cycle in Wayang Windu geothermal power plant. Energy Procedia, 2017, 142, 1147-1152.	1.8	3
144	Combined nitrogen production, ammonia synthesis, and power generation for efficient hydrogen storage. Energy Procedia, 2017, 143, 674-679.	1.8	34

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145	Clean and energy-efficient hydrogen production and storage from coal. , 2017, , .		1
146	Enhanced electricity production from rice straw. Energy Procedia, 2017, 142, 271-277.	1.8	8
147	Electricity production from black liquor: a novel integrated system. Energy Procedia, 2017, 142, 23-28.	1.8	4
148	Extended utilization of electric vehicles in electrical grid services. , 2017, , .		16
149	Production of hydrogen from algae: Integrated gasification and chemical looping. Energy Procedia, 2017, 142, 210-215.	1.8	22
150	Simultaneous quick-charging system for electric vehicle. Energy Procedia, 2017, 142, 1811-1816.	1.8	25
151	Combined dehydrogenation and hydrogen-based power generation. Energy Procedia, 2017, 142, 1603-1608.	1.8	10
152	Kinetic Study of Catalytic Cracking of Bio-oil over Silica-alumina Catalyst. BioResources, 2017, 13, .	0.5	15
153	Annual Assessment of Large-Scale Introduction of Renewable Energy: Modeling of Unit Commitment Schedule for Thermal Power Generators and Pumped Storages. Energies, 2017, 10, 738.	1.6	25
154	Advanced Charging System for Plug-in Hybrid Electric Vehicles and Battery Electric Vehicles. , 2017, , .		9
155	Energy and resource recovery from Tetra Pak waste using hydrothermal treatment. Applied Energy, 2017, 207, 107-113.	5.1	63
156	Experimental Verification of Interfacial Strength Effect on the Mechanical Properties of Carbon Fiber-Epoxy Composite. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 2226.	0.2	10
157	Charging/Discharging Behaviors and Integration of Electric Vehicle to Small-Scale Energy Management System. , 2017, , .		6
158	Numerical Investigation of Co-Firing of Palm Kernel Shell into Pulverized Coal Combustion. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2016, 95, 605-614.	0.2	7
159	Computational Fluid Dynamic Analysis of Co-Firing of Palm Kernel Shell and Coal. Energies, 2016, 9, 137.	1.6	23
160	Fail-safe design and analysis for the guide vane of a hydro turbine. Advances in Mechanical Engineering, 2016, 8, 168781401665817.	0.8	3
161	Clean Co-production of H2 and power from low rank coal. Energy, 2016, 116, 489-497.	4.5	70
162	Integrated hydrogen production and power generation from microalgae. International Journal of Hydrogen Energy, 2016, 41, 104-112.	3.8	77

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163	Battery-assisted charging system for simultaneous charging of electric vehicles. Energy, 2016, 100, 82-90.	4.5	81
164	Power generation from algae employing enhanced process integration technology. Chemical Engineering Research and Design, 2016, 109, 297-306.	2.7	44
165	Actual Congestion and Effect of Charger Addition in the Quick Charger Station. IEEJ Transactions on Power and Energy, 2016, 136, 198-204.	0.1	2
166	Enhanced Energy Utilization System of Algae: Integrated Drying, Gasification and Combined Cycle. Energy Procedia, 2015, 75, 906-911.	1.8	8
167	Extended Utilization of Electric Vehicles and their Re-used Batteries to Support the Building Energy Management System. Energy Procedia, 2015, 75, 1938-1943.	1.8	58
168	Novel power generation from microalgae: Application of different gasification technologies. , 2015, , .		5
169	One-step synthesis of Ag nano-assemblies and study of their antimicrobial activities. Journal of Nanostructure in Chemistry, 2015, 5, 325-331.	5.3	5
170	Combined hydrogen production and power generation from microalgae. , 2015, , .		4
171	Design and Analysis of Energy-Efficient Integrated Crude Palm Oil and Palm Kernel Oil Processes. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2015, 94, 143-150.	0.2	21
172	Innovative Steam Drying of Empty Fruit Bunch with High Energy Efficiency. Drying Technology, 2015, 33, 395-405.	1.7	23
173	Utilization of Electric Vehicles and Their Used Batteries for Peak-Load Shifting. Energies, 2015, 8, 3720-3738.	1.6	107
174	Utilization of Rice Husk in the CO₂-Recycling Gasification System for the Effective Implementation of Bioenergy with Carbon Capture and Storage (BECCS) Technology. ACS Symposium Series, 2015, , 323-340.	0.5	0
175	CO2-recycling biomass gasification system for highly efficient and carbon-negative power generation. Applied Energy, 2015, 158, 97-106.	5.1	65
176	Integration of energy-efficient empty fruit bunch drying with gasification/combined cycle systems. Applied Energy, 2015, 139, 188-195.	5.1	58
177	Integrated supercritical water gasification and a combined cycle for microalgal utilization. Energy Conversion and Management, 2015, 91, 140-148.	4.4	58
178	Integrated Energy-Efficient Hydrogen Production from Low Rank Coal and Its Storage for Transportation. Springer Proceedings in Energy, 2015, , 179-185.	0.2	0
179	Advanced Energy Harvesting from Macroalgaeâ€"Innovative Integration of Drying, Gasification and Combined Cycle. Energies, 2014, 7, 8217-8235.	1.6	44
180	Integration of energy-efficient drying in microalgae utilization based on enhanced process integration. Energy, 2014, 70, 307-316.	4.5	60

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181	Energy-Efficient Low Rank Coal Drying Based on Enhanced Vapor Recompression Technology. Drying Technology, 2014, 32, 1621-1631.	1.7	28
182	Utilization of EVs and their used batteries in factory load leveling. , 2014, , .		19
183	Application of the self-heat recuperation technology for energy saving in biomass drying system. Fuel Processing Technology, 2014, 117, 66-74.	3.7	40
184	Enhanced high energy efficient steam drying of algae. Applied Energy, 2013, 109, 163-170.	5.1	57
185	Energy-efficient algae utilization based on enhanced process integration. , 2013, , .		1
186	Magnetocaloric heat circulator based on self-heat recuperation technology. Chemical Engineering Science, 2013, 101, 5-12.	1.9	16
187	A novel exergy recuperative drying module and its application for energy-saving drying with superheated steam. Chemical Engineering Science, 2013, 100, 392-401.	1.9	36
188	Evaluation of a Self-Heat Recuperative Thermal Process Based on Thermodynamic Irreversibility and Exergy. Journal of Chemical Engineering of Japan, 2013, 46, 87-91.	0.3	31
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