Meisam Tabatabaei

List of Publications by Year
in descending order

295	21,629	10389 72	12597 132
papers	citations	h-index	g-index

301	301	301	18135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oncolytic viruses as a promising therapeutic strategy against the detrimental health impacts of air pollution: The case of glioblastoma multiforme. Seminars in Cancer Biology, 2022, 86, 1122-1142.	9.6	6
2	Mapping healthcare waste management research: Past evolution, current challenges, and future perspectives towards a circular economy transition. Journal of Hazardous Materials, 2022, 422, 126724.	12.4	68
3	A comparative study on physicochemical properties, pyrolytic behaviour and kinetic parameters of environmentally harmful aquatic weeds for sustainable shellfish aquaculture. Journal of Hazardous Materials, 2022, 424, 127329.	12.4	4
4	Exergy, economic, and environmental assessment of ethanol dehydration to diesel fuel additive diethyl ether. Fuel, 2022, 308, 121918.	6.4	14
5	Safflower-based biorefinery producing a broad spectrum of biofuels and biochemicals: A life cycle assessment perspective. Science of the Total Environment, 2022, 802, 149842.	8.0	40
6	Progress in thermochemical conversion of aquatic weeds in shellfish aquaculture for biofuel generation: Technical and economic perspectives. Bioresource Technology, 2022, 344, 126202.	9.6	20
7	Managing the hazardous waste cooking oil by conversion into bioenergy through the application of waste-derived green catalysts: A review. Journal of Hazardous Materials, 2022, 424, 127636.	12.4	53
8	Engineered bacteria for valorizing lignocellulosic biomass into bioethanol. Bioresource Technology, 2022, 344, 126212.	9.6	16
9	A state-of-the-art review on producing engineered biochar from shellfish waste and its application in aquaculture wastewater treatment. Chemosphere, 2022, 288, 132559.	8.2	43
10	Bioethanol production from food wastes rich in carbohydrates. Current Opinion in Food Science, 2022, 43, 71-81.	8.0	57
11	Upgrading of biomass-derived bio-oil via catalytic hydrogenation with Rh and Pd catalysts. Renewable Energy, 2022, 184, 487-497.	8.9	20
12	Progress in valorisation of agriculture, aquaculture and shellfish biomass into biochemicals and biomaterials towards sustainable bioeconomy. Chemosphere, 2022, 291, 133036.	8.2	18
13	Exergetic sustainability analysis of municipal solid waste treatment systems: A systematic critical review. Renewable and Sustainable Energy Reviews, 2022, 156, 111975.	16.4	69
14	Engineered biochar produced through microwave pyrolysis as a fuel additive in biodiesel combustion. Fuel, 2022, 312, 122839.	6.4	24
15	Efficient ethanol production from rice straw through cellulose restructuring and high solids loading fermentation by Mucor indicus. Journal of Cleaner Production, 2022, 339, 130702.	9.3	9
16	Pilot-scale co-processing of lignocellulosic biomass, algae, shellfish waste via thermochemical approach: Recent progress and future directions. Bioresource Technology, 2022, 347, 126687.	9.6	28
17	Wet wastes to bioenergy and biochar: A critical review with future perspectives. Science of the Total Environment, 2022, 817, 152921.	8.0	44
18	Tailored enzymes as next-generation food-packaging tools. Trends in Biotechnology, 2022, 40, 1004-1017.	9.3	10

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19	Production of value-added hydrochar from single-mode microwave hydrothermal carbonization of oil palm waste for de-chlorination of domestic water. Science of the Total Environment, 2022, 833, 154968.	8.0	18
20	Tracking the impacts of climate change on human health via indicators: lessons from the Lancet Countdown. BMC Public Health, 2022, 22, 663.	2.9	20
21	Biofuel supply chain management in the circular economy transition: An inclusive knowledge map of the field. Chemosphere, 2022, 296, 133968.	8.2	40
22	Biomass and organic waste potentials towards implementing circular bioeconomy platforms: A systematic bibliometric analysis. Fuel, 2022, 318, 123585.	6.4	50
23	Environmental life cycle assessment of biodiesel production from waste cooking oil: A systematic review. Renewable and Sustainable Energy Reviews, 2022, 161, 112411.	16.4	73
24	A comprehensive review on anaerobic fungi applications in biofuels production. Science of the Total Environment, 2022, 829, 154521.	8.0	13
25	Biodiesel antioxidants and their impact on the behavior of diesel engines: A comprehensive review. Fuel Processing Technology, 2022, 232, 107264.	7.2	31
26	Sustainable management of municipal solid waste through waste-to-energy technologies. Bioresource Technology, 2022, 355, 127247.	9.6	60
27	Exergetic sustainability evaluation of horse manure biomass valorization by microwave pyrolysis. Fuel, 2022, 323, 124286.	6.4	5
28	Effect of type of fatty acid attached to chitosan on walnut oil-in-water Pickering emulsion properties. Carbohydrate Polymers, 2022, 291, 119566.	10.2	24
29	Machine learning predicts and optimizes hydrothermal liquefaction of biomass. Chemical Engineering Journal, 2022, 445, 136579.	12.7	73
30	To what extent do waste management strategies need adaptation to post-COVID-19?. Science of the Total Environment, 2022, 837, 155829.	8.0	32
31	Production of biochar using sustainable microwave pyrolysis approach. , 2022, , 323-332.		1
32	Highly digestible nitrogen-enriched straw upgraded by ozone-urea pretreatment: Digestibility metrics and energy-economic analysis. Bioresource Technology, 2022, 360, 127576.	9.6	10
33	Producing submicron chitosan-stabilized oil Pickering emulsion powder by an electrostatic collector-equipped spray dryer. Carbohydrate Polymers, 2022, 294, 119791.	10.2	16
34	Seed oils of Sisymbrium irio and Sisymbrium sophia as a potential non-edible feedstock for biodiesel production. Biofuels, 2021, 12, 103-111.	2.4	9
35	Pretreatment of lignocelluloses for enhanced biogas production: A review on influencing mechanisms and the importance of microbial diversity. Renewable and Sustainable Energy Reviews, 2021, 135, 110173.	16.4	128
36	Progress in microwave pyrolysis conversion of agricultural waste to value-added biofuels: A batch to continuous approach. Renewable and Sustainable Energy Reviews, 2021, 135, 110148.	16.4	206

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37	Rice bran oil-based biodiesel as a promising renewable fuel alternative to petrodiesel: A review. Renewable and Sustainable Energy Reviews, 2021, 135, 110204.	16.4	176
38	Environmental life cycle assessment of different biorefinery platforms valorizing olive wastes to biofuel, phosphate salts, natural antioxidant, and an oxygenated fuel additive (triacetin). Journal of Cleaner Production, 2021, 278, 123916.	9.3	50
39	A critical review on livestock manure biorefinery technologies: Sustainability, challenges, and future perspectives. Renewable and Sustainable Energy Reviews, 2021, 135, 110033.	16.4	176
40	Exergetic, exergoeconomic, and exergoenvironmental aspects of an industrial-scale molasses-based ethanol production plant. Energy Conversion and Management, 2021, 227, 113637.	9.2	78
41	The 2020 report of The Lancet Countdown on health and climate change: responding to converging crises. Lancet, The, 2021, 397, 129-170.	13.7	1,030
42	Exergy analysis of a whole-crop safflower biorefinery: A step towards reducing agricultural wastes in a sustainable manner. Journal of Environmental Management, 2021, 279, 111822.	7.8	35
43	Towards upscaling microbial desalination cell technology: A comprehensive review on current challenges and future prospects. Journal of Cleaner Production, 2021, 288, 125597.	9.3	36
44	Soft computing-based modeling and emission control/reduction of a diesel engine fueled with carbon nanoparticle-dosed water/diesel â€Žemulsion fuel. Journal of Hazardous Materials, 2021, 407, 124369.	12.4	56
45	Simultaneous phycoremediation of petrochemical wastewater and lipid production by Chlorella vulgaris. SN Applied Sciences, 2021, 3, 1.	2.9	12
46	Three pillars of sustainability in the wake of COVID-19: A systematic review and future research agenda for sustainable development. Journal of Cleaner Production, 2021, 297, 126660.	9.3	259
47	The effects of nanoadditives on the performance and emission characteristics of spark-ignition gasoline engines: A critical review with a focus on health impacts. Energy, 2021, 225, 120259.	8.8	32
48	Describing biomass pyrolysis kinetics using a generic hybrid intelligent model: A critical stage in sustainable waste-oriented biorefineries. Renewable Energy, 2021, 170, 81-91.	8.9	42
49	Performance and emission analysis of a dual-fuel engine operating on high natural gas substitution rates ignited by aqueous carbon nanoparticles-laden diesel/biodiesel emulsions. Fuel, 2021, 294, 120246.	6.4	16
50	An Overview on the Conversion of Forest Biomass into Bioenergy. Frontiers in Energy Research, 2021, 9, .	2.3	27
51	Machine learning technology in biodiesel research: A review. Progress in Energy and Combustion Science, 2021, 85, 100904.	31.2	231
52	Emerging challenges of air pollution and particulate matter in China, India, and Pakistan and mitigating solutions. Journal of Hazardous Materials, 2021, 416, 125851.	12.4	64
53	Exergetic, economic, and environmental life cycle assessment analyses of a heavy-duty tractor diesel engine fueled with dieselâ€“biodiesel-bioethanol blends. Energy Conversion and Management, 2021, 241, 114300.	9.2	36
54	Improving sustainability and mitigating environmental impacts of agro-biowaste compost fertilizer by pelletizing-drying. Environmental Pollution, 2021, 285, 117412.	7.5	26

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55	Sustainability assessment of sugarcane residues valorization to biobutadiene by exergy and exergoeconomic evaluation. Renewable and Sustainable Energy Reviews, 2021, 147, 111214.	16.4	14
56	Exergy intensity and environmental consequences of the medical face masks curtailing the COVID-19 pandemic: Malign bodyguard?. Journal of Cleaner Production, 2021, 313, 127880.	9.3	31
57	Two decades of research on waste management in the circular economy: Insights from bibliometric, text mining, and content analyses. Journal of Cleaner Production, 2021, 314, 128009.	9.3	107
58	Net-zero exergoeconomic and exergoenvironmental building as new concepts for developing sustainable built environments. Energy Conversion and Management, 2021, 244, 114418.	9.2	24
59	Independent parallel pyrolysis kinetics of extracted proteins and lipids as well as model carbohydrates in microalgae. Applied Energy, 2021, 300, 117372.	10.1	28
60	Exergoenvironmental analysis of bioenergy systems: A comprehensive review. Renewable and Sustainable Energy Reviews, 2021, 149, 111399.	16.4	174
61	Valorization of municipal wastes using co-pyrolysis for green energy production, energy security, and environmental sustainability: A review. Chemical Engineering Journal, 2021, 421, 129749.	12.7	90
62	Exergetic performance evaluation of a diesel engine powered by diesel/biodiesel mixtures containing oxygenated additive ethylene glycol diacetate. Science of the Total Environment, 2021, 792, 148435.	8.0	13
63	Progress in the torrefaction technology for upgrading oil palm wastes to energy-dense biochar: A review. Renewable and Sustainable Energy Reviews, 2021, 151, 111645.	16.4	55
64	New developments in sustainable waste-to-energy systems. Renewable and Sustainable Energy Reviews, 2021, 151, 111581.	16.4	12
65	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. Lancet, The, 2021, 398, 1619-1662.	13.7	669
66	Life cycle assessment of bioenergy product systems: A critical review. E-Prime, 2021, 1, 100015.	2.0	11
67	Conversion of residues from agro-food industry into bioethanol in Iran: An under-valued biofuel additive to phase out MTBE in gasoline. Renewable Energy, 2020, 145, 699-710.	8.9	94
68	A review of the effect of biodiesel on the corrosion behavior of metals/alloys in diesel engines. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, 42, 2923-2943.	2.3	58
69	A comprehensive review on recent biological innovations to improve biogas production, Part 1: Upstream strategies. Renewable Energy, 2020, 146, 1204-1220.	8.9	185
70	A comprehensive review on recent biological innovations to improve biogas production, Part 2: Mainstream and downstream strategies. Renewable Energy, 2020, 146, 1392-1407.	8.9	144
71	Effects of waste-derived ethylene glycol diacetate as a novel oxygenated additive on performance and emission characteristics of a diesel engine fueled with diesel/biodiesel blends. Energy Conversion and Management, 2020, 203, 112245.	9.2	39
72	Energy flow modeling and life cycle assessment of apple juice production: Recommendations for renewable energies implementation and climate change mitigation. Journal of Cleaner Production, 2020, 246, 118997.	9.3	43

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73	Environmental life cycle assessment of different biorefinery platforms valorizing municipal solid waste to bioenergy, microbial protein, lactic and succinic acid. Renewable and Sustainable Energy Reviews, 2020, 117, 109493.	16.4	136
74	Data on environmental analysis of natural antioxidant production from walnut husk by a solar photovoltaic-driven system as a replacement for potentially carcinogenic synthetic antioxidants. Data in Brief, 2020, 28, 104933.	1.0	5
75	Preparation of Pickering Flaxseed Oil-in-Water Emulsion Stabilized by Chitosan-Myristic Acid Nanogels and Investigation of Its Oxidative Stability in Presence of Clove Essential Oil as Antioxidant. Food Biophysics, 2020, 15, 216-228.	3.0	27
76	Unlocking the potential of walnut husk extract in the production of waste cooking oil-based biodiesel. Renewable and Sustainable Energy Reviews, 2020, 119, 109588.	16.4	37
77	Life cycle assessment analysis of an ultrasound-assisted system converting waste cooking oil into biodiesel. Renewable Energy, 2020, 151, 1352-1364.	8.9	44
78	Determining biomass chemical exergy using a novel hybrid intelligent approach to promote biomass-based biorefineries. Journal of Cleaner Production, 2020, 277, 124089.	9.3	11
79	A comprehensive review of engineered biochar: Production, characteristics, and environmental applications. Journal of Cleaner Production, 2020, 270, 122462.	9.3	207
80	Recent Advances in Monitoring, Sampling, and Sensing Techniques for Bioaerosols in the Atmosphere. ACS Sensors, 2020, 5, 1254-1267.	7.8	29
81	Integrated sustainability analysis of combustion engines (ISACE) as an alternative to classical combustion analysis. Renewable and Sustainable Energy Reviews, 2020, 131, 109981.	16.4	7
82	Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context. Renewable and Sustainable Energy Reviews, 2020, 131, 109965.	16.4	63
83	A new systematic decision support framework based on solar extended exergy accounting performance to prioritize photovoltaic sites. Journal of Cleaner Production, 2020, 256, 120356.	9.3	18
84	Energy recovery and carbon/nitrogen removal from sewage and contaminated groundwater in a coupled hydrolytic-acidogenic sequencing batch reactor and denitrifying biocathode microbial fuel cell. Environmental Research, 2020, 183, 109273.	7.5	30
85	Valorization of biomass waste to engineered activated biochar by microwave pyrolysis: Progress, challenges, and future directions. Chemical Engineering Journal, 2020, 389, 124401.	12.7	484
86	Consolidating emission indices of a diesel engine powered by carbon nanoparticle-doped diesel/biodiesel emulsion fuels using life cycle assessment framework. Fuel, 2020, 267, 117296.	6.4	30
87	Determining key issues in life-cycle assessment of waste biorefineries. , 2020, , 515-555.		2
88	A critical review of the effects of pretreatment methods on the exergetic aspects of lignocellulosic biofuels. Energy Conversion and Management, 2020, 212, 112792.	9.2	230
89	Data supporting consolidating emission indices of a diesel engine powered by carbon nanoparticle-doped diesel/biodiesel emulsion fuels using life cycle assessment framework. Data in Brief, 2020, 30, 105428.	1.0	9
90	Enhanced power generation and desalination rate in a novel quadruple microbial desalination cell with a single desalination chamber. Renewable and Sustainable Energy Reviews, 2020, 127, 109855.	16.4	38

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91	Engineered biochar via microwave CO2 and steam pyrolysis to treat carcinogenic Congo red dye. Journal of Hazardous Materials, 2020, 395, 122636.	12.4	142
92	Algae-Powered Buildings: A Strategy to Mitigate Climate Change and Move Toward Circular Economy. Modeling and Optimization in Science and Technologies, 2020, , 353-365.	0.7	2
93	Recent advances in polyurethanes as efficient media for thermal energy storage. Energy Storage Materials, 2020, 30, 74-86.	18.0	67
94	Description of novel species of Aliinostoc, Desikacharya and Desmonostoc using a polyphasic approach. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 3413-3426.	1.7	25
95	The critical role of advanced sustainability assessment tools in enhancing the real-world application of biofuels. Acta Innovations, 2020, , 67-73.	1.0	9
96	Life Cycle Analysis for Biodiesel Production from Oleaginous Fungi. Fungal Biology, 2020, , 199-225.	0.6	5
97	Fungal Biocontrol Agents as a New Source for Bioethanol Production. Fungal Biology, 2020, , 69-104.	0.6	1
98	Bioethanol Production by Using Plant-Pathogenic Fungi. Fungal Biology, 2020, , 15-38.	0.6	3
99	Fungi as Bioreactors for Biodiesel Production. Fungal Biology, 2020, , 39-67.	0.6	3
100	Anaerobic Rumen Fungi for Biofuel Production. Fungal Biology, 2020, , 149-175.	0.6	4
101	Multi-objective exergoeconomic and exergoenvironmental optimization of continuous synthesis of solketal through glycerol ketalization with acetone in the presence of ethanol as co-solvent. Renewable Energy, 2019, 130, 735-748.	8.9	28
102	Multi-objective exergetic and technical optimization of a piezoelectric ultrasonic reactor applied to synthesize biodiesel from waste cooking oil (WCO) using soft computing techniques. Fuel, 2019, 235, 100-112.	6.4	108
103	Reactor technologies for biodiesel production and processing: A review. Progress in Energy and Combustion Science, 2019, 74, 239-303.	31.2	330
104	Effects of aqueous carbon nanoparticles as a novel nanoadditive in water-emulsified diesel/biodiesel blends on performance and emissions parameters of a diesel engine. Energy Conversion and Management, 2019, 196, 1153-1166.	9.2	96
105	A state-of-the-art review on the application of nanomaterials for enhancing biogas production. Journal of Environmental Management, 2019, 251, 109597.	7.8	99
106	The 2019 report of The Lancet Countdown on health and climate change: ensuring that the health of a child born today is not defined by a changing climate. Lancet, The, 2019, 394, 1836-1878.	13.7	905
107	Techno-economic aspects of a safflower-based biorefinery plant co-producing bioethanol and biodiesel. Energy Conversion and Management, 2019, 201, 112184.	9.2	59
108	Multivariable optimization of carbon nanoparticles synthesized from waste facial tissues by artificial neural networks, new material for downstream quenching of quantum dots. Journal of Materials Science: Materials in Electronics, 2019, 30, 3156-3165.	2.2	10

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109	Progress toward improving ethanol production through decreased glycerol generation in Saccharomyces cerevisiae by metabolic and genetic engineering approaches. Renewable and Sustainable Energy Reviews, 2019, 115, 109353.	16.4	48
110	Formulation of Pickering sunflower oil-in-water emulsion stabilized by chitosan-stearic acid nanogel and studying its oxidative stability. Carbohydrate Polymers, 2019, 210, 47-55.	10.2	89
111	Metabolic Engineering of Microalgae for Biofuel Production. Methods in Molecular Biology, 2019, 1980, 153-172.	0.9	16
112	Spatio-temporal solar exergoeconomic and exergoenvironmental maps for photovoltaic systems. Energy Conversion and Management, 2019, 195, 701-711.	9.2	27
113	Shifting fuel feedstock from oil wells to sea: Iran outlook and potential for biofuel production from brown macroalgae (ochrophyta; phaeophyceae). Renewable and Sustainable Energy Reviews, 2019, 112, 626-642.	16.4	50
114	A comprehensive review on electricity generation and GHG emission reduction potentials through anaerobic digestion of agricultural and livestock/slaughterhouse wastes in Iran. Renewable and Sustainable Energy Reviews, 2019, 111, 571-594.	16.4	89
115	Techno-economic comparison of three biodiesel production scenarios enhanced by glycerol supercritical water reforming process. International Journal of Hydrogen Energy, 2019, 44, 17845-17862.	7.1	43
116	Exergoeconomic analysis of lactic acid and power cogeneration from sugarcane residues through a biorefinery approach. Renewable Energy, 2019, 143, 872-889.	8.9	48
117	Emissions from urban bus fleets running on biodiesel blends under real-world operating conditions: Implications for designing future case studies. Renewable and Sustainable Energy Reviews, 2019, 111, 276-292.	16.4	38
118	Recent updates on the production and upgrading of bio-crude oil from microalgae. Bioresource Technology Reports, 2019, 7, 100216.	2.7	54
119	Prognostication of lignocellulosic biomass pyrolysis behavior using ANFIS model tuned by PSO algorithm. Fuel, 2019, 253, 189-198.	6.4	85
120	Biopower and biofertilizer production from organic municipal solid waste: An exergoenvironmental analysis. Renewable Energy, 2019, 143, 64-76.	8.9	107
121	Biogas production from food wastes: A review on recent developments and future perspectives. Bioresource Technology Reports, 2019, 7, 100202.	2.7	110
122	Environmental impact assessment of the mechanical shaft work produced in a diesel engine running on diesel/biodiesel blends containing glycerol-derived triacetin. Journal of Cleaner Production, 2019, 223, 466-486.	9.3	58
123	Approaches to Improve the Quality of Microalgae Biodiesel: Challenges and Future Prospects. , 2019, , 89-103.		1
124	Life-Cycle Assessment (LCA) Analysis of Algal Fuels. Methods in Molecular Biology, 2019, 1980, 121-151.	0.9	3
125	Comprehensive exergoeconomic analysis of a municipal solid waste digestion plant equipped with a biogas genset. Waste Management, 2019, 87, 485-498.	7.4	128
126	Immobilization of gold nanoparticles with rhodamine to enhance the fluorescence resonance energy transfer between quantum dots and rhodamine; new method for downstream sensing of infectious bursal disease virus. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 212, 173-179.	3.9	12

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127	Biodiesel Production and Consumption: Life Cycle Assessment (LCA) Approach. Biofuel and Biorefinery Technologies, 2019, , 161-192.	0.3	4
128	Exergy-Based Sustainability Analysis of Biodiesel Production and Combustion Processes. Biofuel and Biorefinery Technologies, 2019, , 193-217.	0.3	5
129	Modeling of a dual fueled diesel engine operated by a novel fuel containing glycerol triacetate additive and biodiesel using artificial neural network tuned by genetic algorithm to reduce engine emissions. Energy, 2019, 168, 1128-1137.	8.8	37
130	Simultaneous reduction of CO and NOx emissions as well as fuel consumption by using water and nano particles in Dieselâ€“Biodiesel blend. Journal of Cleaner Production, 2019, 210, 1164-1170.	9.3	80
131	A review on beet sugar industry with a focus on implementation of waste-to-energy strategy for power supply. Renewable and Sustainable Energy Reviews, 2019, 103, 423-442.	16.4	109
132	Applications of Nanotechnology and Carbon Nanoparticles in Agriculture. , 2019, , 247-277.		50
133	Optimization of continuous glycerol esterification with acetic acid based on exergoeconomic and exergoenvironmental approaches. Sustainable Production and Consumption, 2019, 17, 62-73.	11.0	8
134	Characterization and Evaluation of Nanofiber Materials. , 2019, , 491-522.		11
135	Characterization of Delignified Oil Palm Decanter Cake (OPDC) for Polymer Composite Development. International Journal on Advanced Science, Engineering and Information Technology, 2019, 9, 384-389.	0.4	4
136	Recent Patents on Biofuels from Microalgae. Green Energy and Technology, 2018, , 291-306.	0.6	6
137	Exergoeconomic analysis of a DI diesel engine fueled with diesel/biodiesel (B5) emulsions containing aqueous nano cerium oxide. Energy, 2018, 149, 967-978.	8.8	152
138	Biomass higher heating value (HHV) modeling on the basis of proximate analysis using iterative network-based fuzzy partial least squares coupled with principle component analysis (PCA-INFPLS). Fuel, 2018, 222, 1-10.	6.4	37
139	Exergy-based sustainability analysis of acetins synthesis through continuous esterification of glycerol in acetic acid using AmberlystÂ®36 as catalyst. Journal of Cleaner Production, 2018, 183, 1265-1275.	9.3	64
140	Pistachio (Pistachia vera) wastes valorization: Enhancement of biodiesel oxidation stability using hull extracts of different varieties. Journal of Cleaner Production, 2018, 185, 852-859.	9.3	41
141	Exergy-based optimization of a continuous reactor applied to produce value-added chemicals from glycerol through esterification with acetic acid. Energy, 2018, 150, 351-362.	8.8	39
142	Waste Management Strategies; the State of the Art. Biofuel and Biorefinery Technologies, 2018, , 1-33.	0.3	6
143	Waste Management Strategies: Life Cycle Assessment (LCA) Approach. Biofuel and Biorefinery Technologies, 2018, , 305-331.	0.3	0
144	Advanced Soft Computing Techniques in Biogas Production Technology. Biofuel and Biorefinery Technologies, 2018, , 387-417.	0.3	3

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145	Prominent Parameters in Biogas Production Systems. Biofuel and Biorefinery Technologies, 2018, , 135-161.	0.3	3
146	Biogas Production Systems. Biofuel and Biorefinery Technologies, 2018, , 95-116.	0.3	10
147	Characterization and Evaluation of Nanofiber Materials. , 2018, , 1-32.		2
148	Exergy analysis of a lignocellulosic-based biorefinery annexed to a sugarcane mill for simultaneous lactic acid and electricity production. Energy, 2018, 149, 623-638.	8.8	158
149	Neowestiellopsis gen. nov, a new genus of true branched cyanobacteria with the description of Neowestiellopsis persica sp. nov. and Neowestiellopsis bilateralis sp. nov., isolated from Iran. Plant Systematics and Evolution, 2018, 304, 501-510.	0.9	25
150	Life cycle assessment of different strategies for energy and nutrient recovery from source sorted organic fraction of household waste. Journal of Cleaner Production, 2018, 180, 360-374.	9.3	76
151	Physical and antimicrobial properties of starch-carboxy methyl cellulose film containing rosemary essential oils encapsulated in chitosan nanogel. International Journal of Biological Macromolecules, 2018, 112, 148-155.	7.5	94
152	On the exergoeconomic and exergoenvironmental evaluation and optimization of biodiesel synthesis from waste cooking oil (WCO) using a low power, high frequency ultrasonic reactor. Energy Conversion and Management, 2018, 164, 385-398.	9.2	127
153	Exergoeconomic and exergoenvironmental co-optimization of continuous fuel additives (acetins) synthesis from glycerol esterification with acetic acid using Amberlyst 36 catalyst. Energy Conversion and Management, 2018, 165, 183-194.	9.2	72
154	On the exergetic optimization of solketalacetin synthesis as a green fuel additive through ketalization of glycerol-derived monoacetin with acetone. Renewable Energy, 2018, 126, 242-253.	8.9	34
155	Multi-objective exergy-based optimization of continuous glycerol ketalization to synthesize solketal as a biodiesel additive in subcritical acetone. Energy Conversion and Management, 2018, 160, 251-261.	9.2	30
156	The Lancet Countdown on health and climate change: from 25 years of inaction to a global transformation for public health. Lancet, The, 2018, 391, 581-630.	13.7	802
157	Performance assessment of a wind power plant using standard exergy and extended exergy accounting (EEA) approaches. Journal of Cleaner Production, 2018, 171, 127-136.	9.3	81
158	Well-to-wheel life cycle assessment of Eruca Sativa-based biorefinery. Renewable Energy, 2018, 117, 135-149.	8.9	28
159	Biodiesel from Microalgae. Energy, Environment, and Sustainability, 2018, , 277-318.	1.0	9
160	Effect of different levels of pomegranate marc with or without polyethylene glycol on performance, nutrients digestibility and protozoal population in growing lambs. Animal Feed Science and Technology, 2018, 235, 15-22.	2.2	10
161	Metabolic engineering of microorganisms for biofuel production. Renewable and Sustainable Energy Reviews, 2018, 82, 3863-3885.	16.4	124
162	The 2018 report of the Lancet Countdown on health and climate change: shaping the health of nations for centuries to come. Lancet, The, 2018, 392, 2479-2514.	13.7	595

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163	Potential of Acid-Activated Bentonite and SO3H-Functionalized MWCNTs for Biodiesel Production From Residual Olive Oil Under Biorefinery Scheme. Frontiers in Energy Research, 2018, 6, .	2.3	39
164	A comprehensive review on the environmental impacts of diesel/biodiesel additives. Energy Conversion and Management, 2018, 174, 579-614.	9.2	257
165	Sustainable Production Of Value-Added Chemicals From Biodiesel Glycerol. , 2018, , .		0
166	A review on the prospects of sustainable biodiesel production: A global scenario with an emphasis on waste-oil biodiesel utilization. Renewable and Sustainable Energy Reviews, 2017, 72, 445-464.	16.4	399
167	Expanded polystyrene waste application for improving biodiesel environmental performance parameters from lifeÂcycle assessment point of view. Renewable and Sustainable Energy Reviews, 2017, 74, 278-298.	16.4	37
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