

Meisam Tabatabaei

List of Publications by Year in descending order

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Version: 2024-02-01

295
papers

21,629
citations

10373

72
h-index

12585

132
g-index

301
all docs

301
docs citations

301
times ranked

18135
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. <i>Seminars in Cancer Biology</i> , 2022, 86, 1122-1142.	4.3	6
2	Mapping healthcare waste management research: Past evolution, current challenges, and future perspectives towards a circular economy transition. <i>Journal of Hazardous Materials</i> , 2022, 422, 126724.	6.5	68
3	A comparative study on physicochemical properties, pyrolytic behaviour and kinetic parameters of environmentally harmful aquatic weeds for sustainable shellfish aquaculture. <i>Journal of Hazardous Materials</i> , 2022, 424, 127329.	6.5	4
4	Exergy, economic, and environmental assessment of ethanol dehydration to diesel fuel additive diethyl ether. <i>Fuel</i> , 2022, 308, 121918.	3.4	14
5	Safflower-based biorefinery producing a broad spectrum of biofuels and biochemicals: A life cycle assessment perspective. <i>Science of the Total Environment</i> , 2022, 802, 149842.	3.9	40
6	Progress in thermochemical conversion of aquatic weeds in shellfish aquaculture for biofuel generation: Technical and economic perspectives. <i>Bioresource Technology</i> , 2022, 344, 126202.	4.8	20
7	Managing the hazardous waste cooking oil by conversion into bioenergy through the application of waste-derived green catalysts: A review. <i>Journal of Hazardous Materials</i> , 2022, 424, 127636.	6.5	53
8	Engineered bacteria for valorizing lignocellulosic biomass into bioethanol. <i>Bioresource Technology</i> , 2022, 344, 126212.	4.8	16
9	A state-of-the-art review on producing engineered biochar from shellfish waste and its application in aquaculture wastewater treatment. <i>Chemosphere</i> , 2022, 288, 132559.	4.2	43
10	Bioethanol production from food wastes rich in carbohydrates. <i>Current Opinion in Food Science</i> , 2022, 43, 71-81.	4.1	57
11	Upgrading of biomass-derived bio-oil via catalytic hydrogenation with Rh and Pd catalysts. <i>Renewable Energy</i> , 2022, 184, 487-497.	4.3	20
12	Progress in valorisation of agriculture, aquaculture and shellfish biomass into biochemicals and biomaterials towards sustainable bioeconomy. <i>Chemosphere</i> , 2022, 291, 133036.	4.2	18
13	Exergetic sustainability analysis of municipal solid waste treatment systems: A systematic critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111975.	8.2	69
14	Engineered biochar produced through microwave pyrolysis as a fuel additive in biodiesel combustion. <i>Fuel</i> , 2022, 312, 122839.	3.4	24
15	Efficient ethanol production from rice straw through cellulose restructuring and high solids loading fermentation by <i>Mucor indicus</i> . <i>Journal of Cleaner Production</i> , 2022, 339, 130702.	4.6	9
16	Pilot-scale co-processing of lignocellulosic biomass, algae, shellfish waste via thermochemical approach: Recent progress and future directions. <i>Bioresource Technology</i> , 2022, 347, 126687.	4.8	28
17	Wet wastes to bioenergy and biochar: A critical review with future perspectives. <i>Science of the Total Environment</i> , 2022, 817, 152921.	3.9	44
18	Tailored enzymes as next-generation food-packaging tools. <i>Trends in Biotechnology</i> , 2022, 40, 1004-1017.	4.9	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. <i>Science of the Total Environment</i> , 2022, 833, 154968.	3.9	18
20	Tracking the impacts of climate change on human health via indicators: lessons from the Lancet Countdown. <i>BMC Public Health</i> , 2022, 22, 663.	1.2	20
21	Biofuel supply chain management in the circular economy transition: An inclusive knowledge map of the field. <i>Chemosphere</i> , 2022, 296, 133968.	4.2	40
22	Biomass and organic waste potentials towards implementing circular bioeconomy platforms: A systematic bibliometric analysis. <i>Fuel</i> , 2022, 318, 123585.	3.4	50
23	Environmental life cycle assessment of biodiesel production from waste cooking oil: A systematic review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112411.	8.2	73
24	A comprehensive review on anaerobic fungi applications in biofuels production. <i>Science of the Total Environment</i> , 2022, 829, 154521.	3.9	13
25	Biodiesel antioxidants and their impact on the behavior of diesel engines: A comprehensive review. <i>Fuel Processing Technology</i> , 2022, 232, 107264.	3.7	31
26	Sustainable management of municipal solid waste through waste-to-energy technologies. <i>Bioresource Technology</i> , 2022, 355, 127247.	4.8	60
27	Exergetic sustainability evaluation of horse manure biomass valorization by microwave pyrolysis. <i>Fuel</i> , 2022, 323, 124286.	3.4	5
28	Effect of type of fatty acid attached to chitosan on walnut oil-in-water Pickering emulsion properties. <i>Carbohydrate Polymers</i> , 2022, 291, 119566.	5.1	24
29	Machine learning predicts and optimizes hydrothermal liquefaction of biomass. <i>Chemical Engineering Journal</i> , 2022, 445, 136579.	6.6	73
30	To what extent do waste management strategies need adaptation to post-COVID-19?. <i>Science of the Total Environment</i> , 2022, 837, 155829.	3.9	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. <i>Bioresource Technology</i> , 2022, 360, 127576.	4.8	10
33	Producing submicron chitosan-stabilized oil Pickering emulsion powder by an electrostatic collector-equipped spray dryer. <i>Carbohydrate Polymers</i> , 2022, 294, 119791.	5.1	16
34	Seed oils of <i>Sisymbrium irio</i> and <i>Sisymbrium sophia</i> as a potential non-edible feedstock for biodiesel production. <i>Biofuels</i> , 2021, 12, 103-111.	1.4	9
35	Pretreatment of lignocelluloses for enhanced biogas production: A review on influencing mechanisms and the importance of microbial diversity. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110173.	8.2	128
36	Progress in microwave pyrolysis conversion of agricultural waste to value-added biofuels: A batch to continuous approach. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110148.	8.2	206

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37	Rice bran oil-based biodiesel as a promising renewable fuel alternative to petrodiesel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110204.	8.2	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). <i>Journal of Cleaner Production</i> , 2021, 278, 123916.	4.6	50
39	A critical review on livestock manure biorefinery technologies: Sustainability, challenges, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110033.	8.2	176
40	Exergetic, exergoeconomic, and exergoenvironmental aspects of an industrial-scale molasses-based ethanol production plant. <i>Energy Conversion and Management</i> , 2021, 227, 113637.	4.4	78
41	The 2020 report of The Lancet Countdown on health and climate change: responding to converging crises. <i>Lancet, The</i> , 2021, 397, 129-170.	6.3	1,030
42	Exergy analysis of a whole-crop safflower biorefinery: A step towards reducing agricultural wastes in a sustainable manner. <i>Journal of Environmental Management</i> , 2021, 279, 111822.	3.8	35
43	Towards upscaling microbial desalination cell technology: A comprehensive review on current challenges and future prospects. <i>Journal of Cleaner Production</i> , 2021, 288, 125597.	4.6	36
44	Soft computing-based modeling and emission control/reduction of a diesel engine fueled with carbon nanoparticle-dosed water/diesel emulsion fuel. <i>Journal of Hazardous Materials</i> , 2021, 407, 124369.	6.5	56
45	Simultaneous phycoremediation of petrochemical wastewater and lipid production by <i>Chlorella vulgaris</i> . <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	12
46	Three pillars of sustainability in the wake of COVID-19: A systematic review and future research agenda for sustainable development. <i>Journal of Cleaner Production</i> , 2021, 297, 126660.	4.6	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. <i>Energy</i> , 2021, 225, 120259.	4.5	32
48	Describing biomass pyrolysis kinetics using a generic hybrid intelligent model: A critical stage in sustainable waste-oriented biorefineries. <i>Renewable Energy</i> , 2021, 170, 81-91.	4.3	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. <i>Fuel</i> , 2021, 294, 120246.	3.4	16
50	An Overview on the Conversion of Forest Biomass into Bioenergy. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	27
51	Machine learning technology in biodiesel research: A review. <i>Progress in Energy and Combustion Science</i> , 2021, 85, 100904.	15.8	231
52	Emerging challenges of air pollution and particulate matter in China, India, and Pakistan and mitigating solutions. <i>Journal of Hazardous Materials</i> , 2021, 416, 125851.	6.5	64
53	Exergetic, economic, and environmental life cycle assessment analyses of a heavy-duty tractor diesel engine fueled with diesel-biodiesel-bioethanol blends. <i>Energy Conversion and Management</i> , 2021, 241, 114300.	4.4	36
54	Improving sustainability and mitigating environmental impacts of agro-biowaste compost fertilizer by pelletizing-drying. <i>Environmental Pollution</i> , 2021, 285, 117412.	3.7	26

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55	Sustainability assessment of sugarcane residues valorization to biobutadiene by exergy and exergoeconomic evaluation. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 147, 111214.	8.2	14
56	Exergy intensity and environmental consequences of the medical face masks curtailing the COVID-19 pandemic: Malign bodyguard?. <i>Journal of Cleaner Production</i> , 2021, 313, 127880.	4.6	31
57	Two decades of research on waste management in the circular economy: Insights from bibliometric, text mining, and content analyses. <i>Journal of Cleaner Production</i> , 2021, 314, 128009.	4.6	107
58	Net-zero exergoeconomic and exergoenvironmental building as new concepts for developing sustainable built environments. <i>Energy Conversion and Management</i> , 2021, 244, 114418.	4.4	24
59	Independent parallel pyrolysis kinetics of extracted proteins and lipids as well as model carbohydrates in microalgae. <i>Applied Energy</i> , 2021, 300, 117372.	5.1	28
60	Exergoenvironmental analysis of bioenergy systems: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111399.	8.2	174
61	Valorization of municipal wastes using co-pyrolysis for green energy production, energy security, and environmental sustainability: A review. <i>Chemical Engineering Journal</i> , 2021, 421, 129749.	6.6	90
62	Exergetic performance evaluation of a diesel engine powered by diesel/biodiesel mixtures containing oxygenated additive ethylene glycol diacetate. <i>Science of the Total Environment</i> , 2021, 792, 148435.	3.9	13
63	Progress in the torrefaction technology for upgrading oil palm wastes to energy-dense biochar: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111645.	8.2	55
64	New developments in sustainable waste-to-energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111581.	8.2	12
65	The 2021 report of the Lancet Countdown on health and climate change: code red for a healthy future. <i>Lancet, The</i> , 2021, 398, 1619-1662.	6.3	669
66	Life cycle assessment of bioenergy product systems: A critical review. <i>E-Prime</i> , 2021, 1, 100015.	2.1	11
67	Conversion of residues from agro-food industry into bioethanol in Iran: An under-valued biofuel additive to phase out MTBE in gasoline. <i>Renewable Energy</i> , 2020, 145, 699-710.	4.3	94
68	A review of the effect of biodiesel on the corrosion behavior of metals/alloys in diesel engines. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 2923-2943.	1.2	58
69	A comprehensive review on recent biological innovations to improve biogas production, Part 1: Upstream strategies. <i>Renewable Energy</i> , 2020, 146, 1204-1220.	4.3	185
70	A comprehensive review on recent biological innovations to improve biogas production, Part 2: Mainstream and downstream strategies. <i>Renewable Energy</i> , 2020, 146, 1392-1407.	4.3	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. <i>Energy Conversion and Management</i> , 2020, 203, 112245.	4.4	39
72	Energy flow modeling and life cycle assessment of apple juice production: Recommendations for renewable energies implementation and climate change mitigation. <i>Journal of Cleaner Production</i> , 2020, 246, 118997.	4.6	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. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 117, 109493.	8.2	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. <i>Data in Brief</i> , 2020, 28, 104933.	0.5	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. <i>Food Biophysics</i> , 2020, 15, 216-228.	1.4	27
76	Unlocking the potential of walnut husk extract in the production of waste cooking oil-based biodiesel. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109588.	8.2	37
77	Life cycle assessment analysis of an ultrasound-assisted system converting waste cooking oil into biodiesel. <i>Renewable Energy</i> , 2020, 151, 1352-1364.	4.3	44
78	Determining biomass chemical exergy using a novel hybrid intelligent approach to promote biomass-based biorefineries. <i>Journal of Cleaner Production</i> , 2020, 277, 124089.	4.6	11
79	A comprehensive review of engineered biochar: Production, characteristics, and environmental applications. <i>Journal of Cleaner Production</i> , 2020, 270, 122462.	4.6	207
80	Recent Advances in Monitoring, Sampling, and Sensing Techniques for Bioaerosols in the Atmosphere. <i>ACS Sensors</i> , 2020, 5, 1254-1267.	4.0	29
81	Integrated sustainability analysis of combustion engines (ISACE) as an alternative to classical combustion analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109981.	8.2	7
82	Advancement in valorization technologies to improve utilization of bio-based waste in bioeconomy context. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 131, 109965.	8.2	63
83	A new systematic decision support framework based on solar extended exergy accounting performance to prioritize photovoltaic sites. <i>Journal of Cleaner Production</i> , 2020, 256, 120356.	4.6	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. <i>Environmental Research</i> , 2020, 183, 109273.	3.7	30
85	Valorization of biomass waste to engineered activated biochar by microwave pyrolysis: Progress, challenges, and future directions. <i>Chemical Engineering Journal</i> , 2020, 389, 124401.	6.6	484
86	Consolidating emission indices of a diesel engine powered by carbon nanoparticle-doped diesel/biodiesel emulsion fuels using life cycle assessment framework. <i>Fuel</i> , 2020, 267, 117296.	3.4	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. <i>Energy Conversion and Management</i> , 2020, 212, 112792.	4.4	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. <i>Data in Brief</i> , 2020, 30, 105428.	0.5	9
90	Enhanced power generation and desalination rate in a novel quadruple microbial desalination cell with a single desalination chamber. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109855.	8.2	38

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91	Engineered biochar via microwave CO ₂ and steam pyrolysis to treat carcinogenic Congo red dye. <i>Journal of Hazardous Materials</i> , 2020, 395, 122636.	6.5	142
92	Algae-Powered Buildings: A Strategy to Mitigate Climate Change and Move Toward Circular Economy. <i>Modeling and Optimization in Science and Technologies</i> , 2020, , 353-365.	0.7	2
93	Recent advances in polyurethanes as efficient media for thermal energy storage. <i>Energy Storage Materials</i> , 2020, 30, 74-86.	9.5	67
94	Description of novel species of <i>Aliinostoc</i> , <i>Desikacharya</i> and <i>Desmonostoc</i> using a polyphasic approach. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 3413-3426.	0.8	25
95	The critical role of advanced sustainability assessment tools in enhancing the real-world application of biofuels. <i>Acta Innovations</i> , 2020, , 67-73.	0.4	9
96	Life Cycle Analysis for Biodiesel Production from Oleaginous Fungi. <i>Fungal Biology</i> , 2020, , 199-225.	0.3	5
97	Fungal Biocontrol Agents as a New Source for Bioethanol Production. <i>Fungal Biology</i> , 2020, , 69-104.	0.3	1
98	Bioethanol Production by Using Plant-Pathogenic Fungi. <i>Fungal Biology</i> , 2020, , 15-38.	0.3	3
99	Fungi as Bioreactors for Biodiesel Production. <i>Fungal Biology</i> , 2020, , 39-67.	0.3	3
100	Anaerobic Rumen Fungi for Biofuel Production. <i>Fungal Biology</i> , 2020, , 149-175.	0.3	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. <i>Renewable Energy</i> , 2019, 130, 735-748.	4.3	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. <i>Fuel</i> , 2019, 235, 100-112.	3.4	108
103	Reactor technologies for biodiesel production and processing: A review. <i>Progress in Energy and Combustion Science</i> , 2019, 74, 239-303.	15.8	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. <i>Energy Conversion and Management</i> , 2019, 196, 1153-1166.	4.4	96
105	A state-of-the-art review on the application of nanomaterials for enhancing biogas production. <i>Journal of Environmental Management</i> , 2019, 251, 109597.	3.8	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. <i>Lancet, The</i> , 2019, 394, 1836-1878.	6.3	905
107	Techno-economic aspects of a safflower-based biorefinery plant co-producing bioethanol and biodiesel. <i>Energy Conversion and Management</i> , 2019, 201, 112184.	4.4	59
108	Multivariable optimization of carbon nanoparticles synthesized from waste facial tissues by artificial neural networks, new material for downstream quenching of quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3156-3165.	1.1	10

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109	Progress toward improving ethanol production through decreased glycerol generation in <i>Saccharomyces cerevisiae</i> by metabolic and genetic engineering approaches. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 115, 109353.	8.2	48
110	Formulation of Pickering sunflower oil-in-water emulsion stabilized by chitosan-stearic acid nanogel and studying its oxidative stability. <i>Carbohydrate Polymers</i> , 2019, 210, 47-55.	5.1	89
111	Metabolic Engineering of Microalgae for Biofuel Production. <i>Methods in Molecular Biology</i> , 2019, 1980, 153-172.	0.4	16
112	Spatio-temporal solar exergoeconomic and exergoenvironmental maps for photovoltaic systems. <i>Energy Conversion and Management</i> , 2019, 195, 701-711.	4.4	27
113	Shifting fuel feedstock from oil wells to sea: Iran outlook and potential for biofuel production from brown macroalgae (ochrophyta; phaeophyceae). <i>Renewable and Sustainable Energy Reviews</i> , 2019, 112, 626-642.	8.2	50
114	A comprehensive review on electricity generation and GHG emission reduction potentials through anaerobic digestion of agricultural and livestock/slaughterhouse wastes in Iran. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 571-594.	8.2	89
115	Techno-economic comparison of three biodiesel production scenarios enhanced by glycerol supercritical water reforming process. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17845-17862.	3.8	43
116	Exergoeconomic analysis of lactic acid and power cogeneration from sugarcane residues through a biorefinery approach. <i>Renewable Energy</i> , 2019, 143, 872-889.	4.3	48
117	Emissions from urban bus fleets running on biodiesel blends under real-world operating conditions: Implications for designing future case studies. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 276-292.	8.2	38
118	Recent updates on the production and upgrading of bio-crude oil from microalgae. <i>Bioresource Technology Reports</i> , 2019, 7, 100216.	1.5	54
119	Prognostication of lignocellulosic biomass pyrolysis behavior using ANFIS model tuned by PSO algorithm. <i>Fuel</i> , 2019, 253, 189-198.	3.4	85
120	Biopower and biofertilizer production from organic municipal solid waste: An exergoenvironmental analysis. <i>Renewable Energy</i> , 2019, 143, 64-76.	4.3	107
121	Biogas production from food wastes: A review on recent developments and future perspectives. <i>Bioresource Technology Reports</i> , 2019, 7, 100202.	1.5	110
122	Environmental impact assessment of the mechanical shaft work produced in a diesel engine running on diesel/biodiesel blends containing glycerol-derived triacetin. <i>Journal of Cleaner Production</i> , 2019, 223, 466-486.	4.6	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. <i>Methods in Molecular Biology</i> , 2019, 1980, 121-151.	0.4	3
125	Comprehensive exergoeconomic analysis of a municipal solid waste digestion plant equipped with a biogas genset. <i>Waste Management</i> , 2019, 87, 485-498.	3.7	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 212, 173-179.	2.0	12

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127	Biodiesel Production and Consumption: Life Cycle Assessment (LCA) Approach. <i>Biofuel and Biorefinery Technologies</i> , 2019, , 161-192.	0.1	4
128	Exergy-Based Sustainability Analysis of Biodiesel Production and Combustion Processes. <i>Biofuel and Biorefinery Technologies</i> , 2019, , 193-217.	0.1	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. <i>Energy</i> , 2019, 168, 1128-1137.	4.5	37
130	Simultaneous reduction of CO and NOx emissions as well as fuel consumption by using water and nano particles in Diesel-Biodiesel blend. <i>Journal of Cleaner Production</i> , 2019, 210, 1164-1170.	4.6	80
131	A review on beet sugar industry with a focus on implementation of waste-to-energy strategy for power supply. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 103, 423-442.	8.2	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. <i>Sustainable Production and Consumption</i> , 2019, 17, 62-73.	5.7	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. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2019, 9, 384-389.	0.2	4
136	Recent Patents on Biofuels from Microalgae. <i>Green Energy and Technology</i> , 2018, , 291-306.	0.4	6
137	Exergoeconomic analysis of a DI diesel engine fueled with diesel/biodiesel (B5) emulsions containing aqueous nano cerium oxide. <i>Energy</i> , 2018, 149, 967-978.	4.5	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). <i>Fuel</i> , 2018, 222, 1-10.	3.4	37
139	Exergy-based sustainability analysis of acetins synthesis through continuous esterification of glycerol in acetic acid using Amberlyst®36 as catalyst. <i>Journal of Cleaner Production</i> , 2018, 183, 1265-1275.	4.6	64
140	Pistachio (<i>Pistachia vera</i>) wastes valorization: Enhancement of biodiesel oxidation stability using hull extracts of different varieties. <i>Journal of Cleaner Production</i> , 2018, 185, 852-859.	4.6	41
141	Exergy-based optimization of a continuous reactor applied to produce value-added chemicals from glycerol through esterification with acetic acid. <i>Energy</i> , 2018, 150, 351-362.	4.5	39
142	Waste Management Strategies; the State of the Art. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 1-33.	0.1	6
143	Waste Management Strategies: Life Cycle Assessment (LCA) Approach. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 305-331.	0.1	0
144	Advanced Soft Computing Techniques in Biogas Production Technology. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 387-417.	0.1	3

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145	Prominent Parameters in Biogas Production Systems. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 135-161.	0.1	3
146	Biogas Production Systems. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 95-116.	0.1	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. <i>Energy</i> , 2018, 149, 623-638.	4.5	158
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290	The Effect of Higher Sludge Recycling Rate on Anaerobic Treatment of Palm Oil Mill Effluent in a Semi-Commercial Closed Digester for Renewable Energy. <i>American Journal of Biochemistry and Biotechnology</i> , 2009, 5, 1-6.	0.1	17
291	Influential Parameters on Biomethane Generation in Anaerobic Wastewater Treatment Plants. , 0, , .		19
292	Different Pretreatment Methods of Lignocellulosic Biomass for Use in Biofuel Production. , 0, , .		31
293	BiodieselAnalyzer: a user-friendly software for predicting the properties of prospective biodiesel. <i>Biofuel Research Journal</i> , 0, , 55-57.	7.2	190
294	Manipulation of carbon flux into fatty acid biosynthesis pathway in <i>Dunaliella salina</i> using AccD and ME genes to enhance lipid content and to improve produced biodiesel quality. <i>Biofuel Research Journal</i> , 0, , 91-97.	7.2	56
295	Biodiesel wash-water reuse using microfiltration: toward zero-discharge strategy for cleaner and economized biodiesel production. <i>Biofuel Research Journal</i> , 0, , 148-151.	7.2	33