

The effect of bioenergy expansion: Food, energy, and en

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Development of biofuels in South Africa: Challenges and opportunities. Renewable and Sustainable Energy Reviews, 2014, 39, 1089-1100.	8.2	66
2	Rotational grass/clover for biogas integrated with grain production – A life cycle perspective. Agricultural Systems, 2014, 129, 133-141.	3.2	30
3	An integrated on-farm production system: Agricultural briquettes for residential heating in Nova Scotia, Canada. Renewable and Sustainable Energy Reviews, 2014, 39, 394-402.	8.2	4
4	Effects of changes in Italian bioenergy promotion schemes for agricultural biogas projects: Insights from a regional optimization model. Energy Policy, 2014, 75, 189-205.	4.2	38
5	A mini review on renewable sources for biofuel. Bioresource Technology, 2014, 169, 742-749.	4.8	383
6	Innovative reservoir sediments reuse and design for sustainability of the hydroelectric power plants. Renewable and Sustainable Energy Reviews, 2014, 36, 212-219.	8.2	7
8	Income Optimization of Energy Crops in Greece under Different CAP Scenarios. Procedia Economics and Finance, 2015, 33, 388-397.	0.6	0
9	Sustainability assessment and energy future: opportunities for Brazilian sugarcane ethanol planning., 2015, , .		2
10	An Overview of Energy Technologies for a Sustainable Future. Springer Proceedings in Energy, 2015, , 1-16.	0.2	3
11	The Sugarcane Complex in Brazil. Contributions To Economics, 2015, , .	0.2	4
12	The environmental performance of current and future passenger vehicles: Life cycle assessment based on a novel scenario analysis framework. Applied Energy, 2015, 157, 871-883.	5.1	321
13	Energy Sustainability by Biomass. Green Energy and Technology, 2015, , 267-285.	0.4	1
14	Environmental consequences of the conversion from traditional to energy cropping systems in a Mediterranean area. European Journal of Agronomy, 2015, 70, 124-135.	1.9	24
15	Strategy of bioenergy development in the largest energy consumers of Asia (China, India, Japan and) Tj ETQq1 1 0.784314 rgBT /Over	3.3	32
17	Quality of residues of the biodiesel chain in the energy field. Industrial Crops and Products, 2015, 75, 91-97.	2.5	14
18	Maximizing the greenhouse gas reductions from biomass: The role of life cycle assessment. Biomass and Bioenergy, 2015, 81, 35-43.	2.9	105
19	Decision hierarchy, competitive priorities and indicators in large-scale –herbaceous biomass to energy–™ supply chains. Biomass and Bioenergy, 2015, 80, 321-329.	2.9	23
20	Performance of a conical spouted bed pilot plant for bio-oil production by poplar flash pyrolysis. Fuel Processing Technology, 2015, 137, 283-289.	3.7	80

#	ARTICLE	IF	CITATIONS
21	Opportunities for Nannochloropsis gaditana biomass through the isolation of its components and biodiesel production. Green Processing and Synthesis, 2015, 4, .	1.3	2
22	A methodology for criticality analysis in integrated energy systems. Clean Technologies and Environmental Policy, 2015, 17, 935-946.	2.1	32
23	Internet-orientated Hungarian car drivers' knowledge and attitudes towards biofuels. Renewable and Sustainable Energy Reviews, 2015, 48, 17-26.	8.2	8
24	Biomass characteristics in Mediterranean populations of Piptatherum miliaceum "A native perennial grass species for bioenergy. Industrial Crops and Products, 2015, 75, 76-84.	2.5	12
25	Rethinking sustainable biofuel marketing to titivate commercial interests. Renewable and Sustainable Energy Reviews, 2015, 52, 781-792.	8.2	9
26	Land use implications of future energy system trajectories "The case of the UK 2050 Carbon Plan. Energy Policy, 2015, 86, 328-337.	4.2	46
27	Algal Biorefinery: An Integrated Approach. , 2015, , .		32
28	Energy consumption of China's crop production system and the related emissions. Renewable and Sustainable Energy Reviews, 2015, 43, 111-125.	8.2	32
29	Sustainable bio-ethanol production from agro-residues: A review. Renewable and Sustainable Energy Reviews, 2015, 41, 550-567.	8.2	624
30	Optimal planning of a biofuel supply chain using a multi-criteria optimisation model. International Journal of Process Systems Engineering, 2016, 4, 1.	0.2	1
31	Multiple Cropping for Raising Productivity and Farm Income of Small Farmers. Journal of Nepal Agricultural Research Council, 0, 2, 37-45.	0.3	15
32	Social, economic, and environmental impacts of biomass and biofuel supply chains. , 2016, , 191-213.		2
33	A Generic Model for Analyzing Nexus Issues of Householdss Bioenergy Use. SSRN Electronic Journal, 2016, , .	0.4	2
34	A Sustainable Rural Food "Energy "Water Nexus Framework for the Northern Great Plains. Agricultural and Environmental Letters, 2016, 1, 160008.	0.8	2
35	Interdependencies between Biofuel, Fuel and Food Prices: The Case of the Brazilian Ethanol Market. Energies, 2016, 9, 464.	1.6	27
36	Biofuels and Their Co-Products as Livestock Feed: Global Economic and Environmental Implications. Molecules, 2016, 21, 285.	1.7	81
37	Evaluation of Ecological Criteria of Biofuel Certification in Germany. Sustainability, 2016, 8, 936.	1.6	7
38	Salinity stress increases lipid, secondary metabolites and enzyme activity in Amphora subtropica and Dunaliella sp. for biodiesel production. Bioresource Technology, 2016, 218, 816-825.	4.8	97

#	ARTICLE	IF	CITATIONS
39	Solar biofuels production with microalgae. <i>Applied Energy</i> , 2016, 179, 136-145.	5.1	91
41	A nexus perspective on competing land demands: Wider lessons from a UK policy case study. <i>Environmental Science and Policy</i> , 2016, 59, 74-84.	2.4	56
42	Nanocatalysts for Solar Water Splitting and a Perspective on Hydrogen Economy. <i>Chemistry - an Asian Journal</i> , 2016, 11, 22-42.	1.7	74
43	Using Theory of Planned Behaviour to explore oil palm smallholder planters' intention to supply oil palm residues. <i>Journal of Cleaner Production</i> , 2016, 126, 428-439.	4.6	47
44	The Energy-Water-Food Nexus. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2016, 7, 239-262.	3.3	101
45	On-board Monitoring and Simulation of Flex Fuel Vehicles in Brazil. <i>Transportation Research Procedia</i> , 2016, 14, 3129-3138.	0.8	10
46	Reasonable potential for GHG savings by anaerobic biomethane in Germany and UK derived from economic and ecological analyses. <i>Applied Energy</i> , 2016, 184, 840-852.	5.1	27
47	Effect of crude glycerine in supplement on the intake, rumen fermentation, and microbial profile of Nellore steers grazing tropical grass. <i>Livestock Science</i> , 2016, 192, 17-24.	0.6	10
48	A Proposed Integrated Sustainability Model for a Bioenergy System. <i>Procedia CIRP</i> , 2016, 48, 358-363.	1.0	13
49	Kinetic study of time-dependent fixation of LVI on biochar. <i>Journal of Hazardous Materials</i> , 2016, 320, 55-66.	6.5	21
50	To integrate or to segregate food crop and energy crop cultivation at the landscape scale? Perspectives on biodiversity conservation in agriculture in Europe. <i>Energy, Sustainability and Society</i> , 2016, 6, .	1.7	49
51	Biodiesel production over lime. Catalytic contributions of bulk phases and surface Ca species formed during reaction. <i>Renewable Energy</i> , 2016, 99, 622-630.	4.3	37
52	Development of Ga Salt of Molybdophosphoric Acid for Biomass Conversion to Levulinic Acid. <i>Energy &amp; Fuels</i> , 2016, 30, 10583-10591.	2.5	30
53	Ga Modified Zeolite Based Solid Acid Catalyst for Levulinic Acid Production. <i>ChemistrySelect</i> , 2016, 1, 5952-5960.	0.7	13
54	Glucose production from potato peel waste under microwave irradiation. <i>Journal of Molecular Catalysis A</i> , 2016, 417, 163-167.	4.8	22
55	A review of the ecological and socioeconomic effects of biofuel and energy policy recommendations. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 61, 41-52.	8.2	88
56	Food security criteria for voluntary biomass sustainability standards and certifications. <i>Biomass and Bioenergy</i> , 2016, 89, 133-145.	2.9	13
57	Linking pyrolysis and anaerobic digestion (Py-AD) for the conversion of lignocellulosic biomass. <i>Current Opinion in Biotechnology</i> , 2016, 38, 167-173.	3.3	102

#	ARTICLE	IF	CITATIONS
58	Industrial technologies for bioethanol production from lignocellulosic biomass. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 468-478.	8.2	179
59	Economic and life cycle environmental optimization of forest-based biorefinery supply chains for bioenergy and biofuel production. <i>Chemical Engineering Research and Design</i> , 2016, 107, 218-235.	2.7	88
60	Bioreactors for lignocellulose conversion into fermentable sugars for production of high added value products. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 597-611.	1.7	70
61	Social and economic possibilities for the energy utilization of fitomass in the valley of the river HernÃ¡d. <i>Renewable Energy</i> , 2016, 85, 777-789.	4.3	15
62	Polysaccharide nanomaterial reinforced starch nanocomposites: A review. <i>Starch/Staerke</i> , 2017, 69, 1500307.	1.1	74
63	The impact of soil salinity on the yield, composition and physiology of the bioenergy grass <i>Miscanthus</i> — <i>giganteus</i> . <i>GCB Bioenergy</i> , 2017, 9, 92-104.	2.5	106
64	Dynamic of nematode communities in energy plant cropping systems. <i>European Journal of Soil Biology</i> , 2017, 78, 92-101.	1.4	9
65	In situ upgrading of pyrolysis biofuels by bentonite clay with simultaneous production of heterogeneous adsorbents for water treatment. <i>Fuel</i> , 2017, 195, 273-283.	3.4	34
66	Characterization of methyl ester compound of biodiesel from industrial liquid waste of crude palm oil processing. <i>Analytical Chemistry Research</i> , 2017, 12, 1-9.	2.0	54
67	Biochemical engineeringâ€™s grand adventure. <i>Chemical Engineering Science</i> , 2017, 170, 677-693.	1.9	53
68	Bioelectrochemical systems using microalgae â€“ A concise research update. <i>Chemosphere</i> , 2017, 177, 35-43.	4.2	88
69	Parametric Characterization of Air Gasification of <i>Chlorella vulgaris</i> Biomass. <i>Energy &amp; Fuels</i> , 2017, 31, 2959-2969.	2.5	58
70	Potential of global croplands and bioenergy crops for climate change mitigation through deployment for enhanced weathering. <i>Biology Letters</i> , 2017, 13, 20160714.	1.0	88
71	New Motifs in Deoxydehydration: Beyond the Realms of Rhenium. <i>Chemistry - A European Journal</i> , 2017, 23, 10235-10243.	1.7	58
72	Microalgae Biofuels: A Green Renewable Resource to Fuel the Future. , 2017, , 105-129.		1
73	Advances in the use of genetically modified plant biomass for biodiesel generation. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 749-764.	1.9	11
74	Review of solid and liquid biofuel demand and supply in Northwest Europe towards 2030 â€“ A comparison of national and regional projections. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 78, 31-45.	8.2	55
75	Adsorption and Decomposition of a Lignin Î²-O-4 Linkage Model, 2-Phenoxyethanol, on Pt(111): Combination of Experiments and First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9889-9900.	1.5	16

#	ARTICLE	IF	CITATIONS
76	The status of solar energy integration and policy in Nigeria. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 70, 457-471.	8.2	72
77	Sustainability constraints in determining European bioenergy potential: A review of existing studies and steps forward. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 719-734.	8.2	70
78	Fidelity of a simple Liberty leaf-painting assay to validate transgenic maize plants expressing the selectable marker gene, <i>bar</i> . <i>Journal of Crop Improvement</i> , 2017, 31, 628-636.	0.9	9
79	Biomass and bioenergy: An overview of the development potential in Turkey and Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1285-1302.	8.2	168
80	Removal and recovery of ammonia from chicken manure. <i>Water Science and Technology</i> , 2017, 75, 2811-2817.	1.2	22
81	Efficiency of Bioenergy Plant in Phytoremediation of Saline and Sodic Soil. , 2017, , 353-369.		8
82	Lignocellulosic biomass waste beneficiation: Evaluation of oxidative and non-oxidative pretreatment methodologies of South African corn cob. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1771-1779.	3.3	30
83	Prospects for pyrolysis technologies in the bioenergy sector: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 59-69.	8.2	263
84	Phytoremediation Potential of Bioenergy Plants. , 2017, , .		23
85	Optimization of organosolv pretreatment of rice straw for enhanced biohydrogen production using <i>Enterobacter aerogenes</i> . <i>Bioresource Technology</i> , 2017, 227, 335-344.	4.8	157
86	The challenge of measuring biofuel sustainability: A stakeholder-driven approach applied to the French case. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 933-947.	8.2	28
87	Nb <sub>2</sub> O <sub>5</sub> /SBA-15 catalyzed propanoic acid esterification. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 498-504.	10.8	40
88	Indonesian CPO availability analysis to support food and energy security: a system dynamic approach. <i>IOP Conference Series: Earth and Environmental Science</i> , 2017, 65, 012024.	0.2	0
89	Bioenergy and carbon capture with storage (BECCS): the prospects and challenges of an emerging climate policy response. <i>Journal of Environmental Studies and Sciences</i> , 2017, 7, 527-534.	0.9	38
90	Recent advances and insights in dye-sensitized NiO photocathodes for photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21077-21113.	5.2	90
91	Analysis of socioeconomic and environmental sensitivity of sugarcane cultivation using a Geographic Information System. <i>Land Use Policy</i> , 2017, 69, 64-74.	2.5	12
92	Toward a sustainable bioeconomy in West Africa: A focus on biorefining. <i>Biofuels, Bioproducts and Biorefining</i> , 2017, 11, 775-783.	1.9	8
93	Effects of partial replacement of maize in the diet with crude glycerin and/or soyabean oil on ruminal fermentation and microbial population in Nellore steers. <i>British Journal of Nutrition</i> , 2017, 118, 651-660.	1.2	15

#	ARTICLE	IF	CITATIONS
94	Biodiesel synthesis from <i>Saussurea heteromalla</i> (D.Don) Hand-Mazz integrating ethanol production using biorefinery approach. <i>Energy</i> , 2017, 141, 1810-1818.	4.5	30
95	Nitrous oxide emission after the addition of organic residues on soil surface. <i>Agriculture, Ecosystems and Environment</i> , 2017, 246, 234-242.	2.5	25
96	Influence of bio-solution pretreatment on the structure, reactivity and torrefaction of bamboo. <i>Energy Conversion and Management</i> , 2017, 141, 244-253.	4.4	13
97	Biomass sorghum production risk assessment analysis: A case study on electricity production in the Po Valley. <i>Biomass and Bioenergy</i> , 2017, 96, 75-86.	2.9	14
98	A new method for analyzing agricultural land-use efficiency, and its application in organic and conventional farming systems in southern Germany. <i>European Journal of Agronomy</i> , 2017, 83, 15-27.	1.9	42
99	Pressures on soil functions from soil management in Germany. A foresight review. <i>Agronomy for Sustainable Development</i> , 2017, 37, 1.	2.2	37
100	Global Biofuels at the Crossroads: An Overview of Technical, Policy, and Investment Complexities in the Sustainability of Biofuel Development. <i>Agriculture (Switzerland)</i> , 2017, 7, 32.	1.4	106
101	Anaerobic Digestion of Feedstock Grown on Marginal Land: Break-Even Electricity Prices. <i>Energies</i> , 2017, 10, 1416.	1.6	3
102	Global animal production and nitrogen and phosphorus flows. <i>Soil Research</i> , 2017, 55, 451.	0.6	62
103	A promising approach to enhance microalgae productivity by exogenous supply of vitamins. <i>Microbial Cell Factories</i> , 2017, 16, 219.	1.9	54
104	Optimization of Bioethanol In Silico Production Process in a Fed-Batch Bioreactor Using Non-Linear Model Predictive Control and Evolutionary Computation Techniques. <i>Energies</i> , 2017, 10, 1763.	1.6	18
105	Development of Brazilian Biodiesel Sector from the Perspective of Stakeholders. <i>Energies</i> , 2017, 10, 399.	1.6	10
106	Intercropping with Switchgrass Improves Net Greenhouse Gas Balance in Hybrid Poplar Plantations on a Sand Soil. <i>Soil Science Society of America Journal</i> , 2017, 81, 781-795.	1.2	7
107	Pyrolysis gases produced from individual and mixed PE, PP, PS, PVC, and PET Part II: Fuel characteristics. <i>Fuel</i> , 2018, 221, 361-373.	3.4	44
108	Sustainability of sugarcane production in Brazil. A review. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	251
109	Evaluation of thermochemical routes for hydrogen production from biomass: A review. <i>Energy Conversion and Management</i> , 2018, 165, 696-719.	4.4	341
110	Biogas production and changes in soil carbon input - A regional analysis. <i>Geoderma</i> , 2018, 320, 105-114.	2.3	15
112	Land-water-energy nexus of sugarcane production in Thailand. <i>Journal of Cleaner Production</i> , 2018, 182, 521-528.	4.6	79

#	ARTICLE	IF	CITATIONS
113	Woody biomass processing: Potential economic impacts on rural regions. <i>Energy Policy</i> , 2018, 115, 66-77.	4.2	32
114	Opportunities for the production and economics of Virginia fanpetals ( <i>Sida hermaphrodita</i> ). <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 824-834.	8.2	14
115	Consequential life cycle assessment of bioenergy systems – A literature review. <i>Journal of Cleaner Production</i> , 2018, 189, 358-373.	4.6	28
116	Potential of solar energy in developing countries for reducing energy-related emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 275-291.	8.2	522
117	Review on Catalytic Cleavage of C–C Inter-unit Linkages in Lignin Model Compounds: Towards Lignin Depolymerisation. <i>Topics in Catalysis</i> , 2018, 61, 183-198.	1.3	112
118	Assessing the main opportunities of integrated biorefining from agro-bioenergy co/by-products and agroindustrial residues into high-value added products associated to some emerging markets: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 88, 326-346.	8.2	149
119	A model of energy management analysis, case study of a sugar factory in Turkey. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	0.8	25
120	Biochemicals from food waste and recalcitrant biomass via syngas fermentation: A review. <i>Bioresource Technology</i> , 2018, 248, 113-121.	4.8	93
121	Spanish strategy on bioeconomy: Towards a knowledge based sustainable innovation. <i>New Biotechnology</i> , 2018, 40, 87-95.	2.4	74
122	Bio-oil as a potential source of petroleum range fuels. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 69-75.	8.2	66
123	Microalgae to biofuels: –Promising– alternative and renewable energy, review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 743-755.	8.2	447
124	Modelling volatility spillovers for bio-ethanol, sugarcane and corn spot and futures prices. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 1002-1018.	8.2	45
125	An Overview of Biofuel. , 2018, , 1-37.		5
126	Energy, water and carbon exchange over a perennial Kernza wheatgrass crop. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 120-137.	1.9	49
127	Root system characterization and water requirements of ten perennial herbaceous species for biomass production managed with high nitrogen and water inputs. <i>Agricultural Water Management</i> , 2018, 196, 37-47.	2.4	9
128	Agricultural –greening– and cropland diversification trends: Potential contribution of agroenergy crops in Capitanata (South Italy). <i>Land Use Policy</i> , 2018, 70, 591-600.	2.5	12
129	Algal Biorefineries for Biofuels and Other Value-Added Products. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 305-341.	0.1	4
130	Soil and ecosystem services: Current knowledge and evidences from Italian case studies. <i>Applied Soil Ecology</i> , 2018, 123, 693-698.	2.1	25



#	ARTICLE	IF	CITATIONS
131	High-value chemicals from marine macroalgae: opportunities and challenges for marine-based bioenergy development. IOP Conference Series: Earth and Environmental Science, 0, 209, 012046.	0.2	13
132	Assessment and quantification of marginal lands for biomass production in Europe using soil-quality indicators. Soil, 2018, 4, 267-290.	2.2	53
133	Bioenergy Valuation of Poultry Litter by Applying an Enzyme Product for Environmental Purposes: A New Applied Technology. Proceedings (mdpi), 2018, 2, .	0.2	1
134	Bamboo as an Alternative Bioenergy Crop and Powerful Ally for Land Restoration in Indonesia. Sustainability, 2018, 10, 4367.	1.6	44
135	A Review on Microalgae Application in Bioenergy Generation & Integrated Wastewater Management. SSRN Electronic Journal, 0, , .	0.4	1
136	Carbon Footprint Analyses and Potential Carbon Emission Reduction in China's Major Peach Orchards. Sustainability, 2018, 10, 2908.	1.6	21
137	Prospects for Improving Irrigated Agriculture in Southern Africa: Linking Water, Energy and Food. Water (Switzerland), 2018, 10, 1881.	1.2	48
138	Nanotechnology and Nanomedicine: Start small, think big. Materials Today: Proceedings, 2018, 5, 15492-15500.	0.9	167
139	Agrofuels Controversy in the Midst of the International Crisis. Global Jurist, 2018, 18, .	0.3	0
140	A retrospective analysis with bibliometric of energy security in 2000-2017. Energy Reports, 2018, 4, 724-732.	2.5	62
141	Analysis of the inherent energy-food dilemma of the Nigerian biofuels policy using partial equilibrium model: The Nigerian Energy-Food Model (NEFM). Renewable and Sustainable Energy Reviews, 2018, 98, 500-514.	8.2	9
142	Systematic analysis of biomass derived fuels for fuel cells. International Journal of Hydrogen Energy, 2018, 43, 23178-23192.	3.8	52
143	Lignin Degradation Efficiency of Chemical Pre-Treatments on Banana Rachis Destined to Bioethanol Production. Biomolecules, 2018, 8, 141.	1.8	33
144	An Overview of Recent Developments in Biomass Pyrolysis Technologies. Energies, 2018, 11, 3115.	1.6	200
145	Climate change decreases suitable areas for rapeseed cultivation in Europe but provides new opportunities for white mustard as an alternative oilseed for biofuel production. PLoS ONE, 2018, 13, e0207124.	1.1	24
146	Time Tracking of Different Cropping Patterns Using Landsat Images under Different Agricultural Systems during 1990-2050 in Cold China. Remote Sensing, 2018, 10, 2011.	1.8	12
147	The Evaluation of Radiation Use Efficiency and Leaf Area Index Development for the Estimation of Biomass Accumulation in Short Rotation Poplar and Annual Field Crops. Forests, 2018, 9, 168.	0.9	17
148	Optimisation of Second-Generation Biodiesel Production from Australian Native Stone Fruit Oil Using Response Surface Method. Energies, 2018, 11, 2566.	1.6	62

#	ARTICLE	IF	CITATIONS
149	A 100% Renewable Energy Scenario for the Java-Bali Grid. <i>International Journal of Renewable Energy Development</i> , 2018, 7, 13-22.	1.2	6
150	Land suitability analysis for sorghum crop production in northern semi-arid Ethiopia: Application of GIS-based fuzzy AHP approach. <i>Cogent Food and Agriculture</i> , 2018, 4, 1507184.	0.6	45
151	Low-cost catalysts for in-situ improvement of producer gas quality during direct gasification of biomass. <i>Energy</i> , 2018, 165, 442-454.	4.5	33
152	Energy performance indicators as policy support for public bus transport – The case of Sweden. <i>Transportation Research, Part D: Transport and Environment</i> , 2018, 65, 697-709.	3.2	16
153	Utilization of Organic Liquid Fertilizer in Microalgae Cultivation for Biodiesel Production. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 405-414.	1.4	7
154	Comparison of the gasification performance of multiple biomass types in a bubbling fluidized bed. <i>Energy Conversion and Management</i> , 2018, 176, 309-323.	4.4	66
155	Does reducing food losses and wastes in sub-Saharan Africa make economic sense?. <i>Waste Management and Research</i> , 2018, 36, 483-494.	2.2	17
156	Role of Biofuels/Biomass in Current Energy Scenario of India. <i>Green Energy and Technology</i> , 2018, , 203-209.	0.4	0
157	Synthesis of Nanomaterials for Fuel Cell Applications. , 2018, , 205-226.		7
158	Modern plant cultivation technologies in agriculture under controlled environment: a review on aeroponics. <i>Journal of Plant Interactions</i> , 2018, 13, 338-352.	1.0	124
159	Challenges to the use of BECCS as a keystone technology in pursuit of 1.5°C. <i>Global Sustainability</i> , 2018, 1, .	1.6	60
160	Transportation fuels from biomass fast pyrolysis, catalytic hydrodeoxygenation, and catalytic fast hydrolysis. <i>Progress in Energy and Combustion Science</i> , 2018, 68, 268-309.	15.8	194
161	Co-design and ex ante assessment of cropping system prototypes including energy crops in Eastern France. <i>Biomass and Bioenergy</i> , 2018, 116, 205-215.	2.9	10
162	An evaluative comparison of lignocellulosic pyrolysis products derived from various parts of <i>Populus deltoides</i> trees and <i>Panicum virgatum</i> grass in an inductively heated reactor. <i>Energy Conversion and Management</i> , 2018, 171, 710-720.	4.4	19
163	Agricultural land usage and tourism impact on renewable energy consumption among Coastline Mediterranean Countries. <i>Energy and Environment</i> , 2018, 29, 1438-1454.	2.7	120
164	Reducing industrial energy demand in the UK: A review of energy efficiency technologies and energy saving potential in selected sectors. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 94, 1153-1178.	8.2	110
165	Effect of process conditions on bio-oil obtained through continuous hydrothermal liquefaction of <i>Scenedesmus</i> sp. microalgae. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 134, 415-426.	2.6	52
166	Modelling Land Sharing and Land Sparing Relationship with Rural Population in the Cerrado. <i>Land</i> , 2018, 7, 88.	1.2	4

#	ARTICLE	IF	CITATIONS
167	Aqueous Leaching Prior to Dewatering Improves the Quality of Solid Fuels from Grasslands. <i>Energies</i> , 2018, 11, 846.	1.6	2
168	Evaluation of Tree Species for Biomass Energy Production in Northwest Spain. <i>Forests</i> , 2018, 9, 160.	0.9	71
169	Teaching and Learning about Biomass Energy: The Significance of Biomass Education in Schools. <i>Sustainability</i> , 2018, 10, 996.	1.6	5
170	Efficiency and Risk in Sustaining China's Food Production and Security: Evidence from Micro-Level Panel Data Analysis of Japonica Rice Production. <i>Sustainability</i> , 2018, 10, 1282.	1.6	7
171	Evaluating Consistency in Environmental Policy Mixes through Policy, Stakeholder, and Contextual Interactions. <i>Sustainability</i> , 2018, 10, 1896.	1.6	27
172	How Foreign Direct Investment Influences Carbon Emissions, Based on the Empirical Analysis of Chinese Urban Data. <i>Sustainability</i> , 2018, 10, 2163.	1.6	63
173	Chemical Composition and Fuel Properties of Alternative Jet Fuels. <i>BioResources</i> , 2018, 13, .	0.5	56
174	Mechanistic insights into hydrodeoxygenation of phenol on bimetallic phosphide catalysts. <i>Catalysis Science and Technology</i> , 2018, 8, 4083-4096.	2.1	31
175	Optimizing the route for production of activated carbon from <i>Casuarina equisetifolia</i> fruit waste. <i>Royal Society Open Science</i> , 2018, 5, 171578.	1.1	37
176	A proposal for using process-based soil models for land use Life cycle impact assessment: Application to Alentejo, Portugal. <i>Journal of Cleaner Production</i> , 2018, 192, 864-876.	4.6	22
177	Climate Change and Urbanization Impact on Hydropower Plant by Neural Network-Based Decision-Making Methods: Identification of the Most Significant Parameter. <i>Water Conservation Science and Engineering</i> , 2018, 3, 169-179.	0.9	5
178	A review of densified solid biomass for energy production. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 296-305.	8.2	186
179	Bamboo Fiber and Sugarcane Skin as a Bio-Briquette Fuel. <i>Energies</i> , 2018, 11, 2186.	1.6	19
180	Resource control by a sustainability based currency equivalent. <i>Journal of Cleaner Production</i> , 2018, 200, 533-541.	4.6	3
181	Sustainability index assessment of palm oil-based bioenergy in Indonesia. <i>Journal of Cleaner Production</i> , 2018, 196, 808-820.	4.6	55
182	Land Use Change, Deforestation and Competition for Land Due to Food Production. , 2019, , 21-26.		6
183	Biochemical and physiological characterization of a halotolerant <i>Dunaliella salina</i> isolated from hypersaline Sambhar Lake, India. <i>Journal of Phycology</i> , 2019, 55, 60-73.	1.0	23
184	Factors Affecting Microalgae Production for Biofuels and the Potentials of Chemometric Methods in Assessing and Optimizing Productivity. <i>Cells</i> , 2019, 8, 851.	1.8	41

#	ARTICLE	IF	CITATIONS
185	Porous Carbon derived from Pine Nut Shell prepared by Steam Activation for Supercapacitor Electrode Material. <i>International Journal of Electrochemical Science</i> , 2019, 14, 8907-8918.	0.5	34
186	Comparative energy and environmental analysis of agro-pellet production from orchard woody biomass. <i>Biomass and Bioenergy</i> , 2019, 129, 105334.	2.9	33
187	Process dynamic investigations and emission analyses of biodiesel produced using Sr <sup>2+</sup> /Ce mixed metal oxide heterogeneous catalyst. <i>Journal of Environmental Management</i> , 2019, 248, 109218.	3.8	25
188	Opportunities and attitudes of private forest landowners in supplying woody biomass for renewable energy. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109205.	8.2	40
189	Microalgae biodiesel production: a solution to increasing energy demands in Turkey. <i>Biofuels</i> , 2022, 13, 77-93.	1.4	6
190	Choosing Physical, Physicochemical and Chemical Methods of Pre-Treating Lignocellulosic Wastes to Repurpose into Solid Fuels. <i>Sustainability</i> , 2019, 11, 3604.	1.6	43
191	Assessment of impact of land use change on the wetland in Makhitha village, Limpopo province, South Africa. <i>Jamba: Journal of Disaster Risk Studies</i> , 2019, 11, 693.	0.4	12
192	Identification of Most Significant Parameter of Impact of Climate Change and Urbanization on Operational Efficiency of Hydropower Plant. <i>International Journal of Energy Optimization and Engineering</i> , 2019, 8, 43-68.	0.4	2
193	Converting Lignocellulosic Pentosan-Derived Yeast Single Cell Oil into Aromatics: Biomass to Bio-BTX. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13437-13445.	3.2	19
194	Preparation, Characterization, Types and Applications of Polysaccharide Nanocomposites. <i>Materials Horizons</i> , 2019, , 379-402.	0.3	3
195	Bioenergy and ecosystem services trade-offs and synergies in marginal agricultural lands: A remote-sensing-based assessment method. <i>Journal of Cleaner Production</i> , 2019, 237, 117672.	4.6	34
196	Assessment of the gray water footprint of the pesticide mixture in a soil cultivated with sugarcane in the northern area of the State of Pernambuco, Brazil. <i>Journal of Cleaner Production</i> , 2019, 234, 925-932.	4.6	30
197	Residual sugar from microalgae biomass harvested from phycoremediation of swine wastewater digestate. <i>Water Science and Technology</i> , 2019, 79, 2203-2210.	1.2	5
198	Preliminary farm-level estimation of 20-year impact of introduction of energy crops in conventional farms in the UK. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 116, 109407.	8.2	8
199	Negative Emissions: Priorities for Research and Policy Design. <i>Frontiers in Climate</i> , 2019, 1, .	1.3	47
200	Production of biofuel precursors and value-added chemicals from hydrolysates resulting from hydrothermal processing of biomass: A review. <i>Biomass and Bioenergy</i> , 2019, 130, 105397.	2.9	62
201	Introductory Chapter: Biofuels - Challenges and Opportunities. , 0, , .		1
202	Transition to bioenergy: Engineering and technology undergraduate students' perceptions of and readiness for agricultural waste-based bioenergy in Greece. <i>Global Transitions</i> , 2019, 1, 157-170.	1.6	4

#	ARTICLE	IF	CITATIONS
203	Verification of satellite ozone/temperature profile products and ozone effective height/temperature over Kunming, China. <i>Science of the Total Environment</i> , 2019, 661, 35-47.	3.9	10
204	What is governance in global telecoupling?. <i>Ecology and Society</i> , 2019, 24, .	1.0	19
205	From Farms to Forests: Landscape Carbon Balance after 50 Years of Afforestation, Harvesting, and Prescribed Fire. <i>Forests</i> , 2019, 10, 760.	0.9	10
206	Effects of impregnated potassium on biomass torrefaction. <i>Energy Procedia</i> , 2019, 158, 55-60.	1.8	5
207	Motivations for the use of sustainable intensification practices among smallholder farmers in Tanzania and Malawi. <i>Njas - Wageningen Journal of Life Sciences</i> , 2019, 89, 1-10.	7.9	19
208	The impact of promoting renewable energy in Taiwan – How much hail is added to snow in farmland prices?. <i>Journal of Cleaner Production</i> , 2019, 241, 118519.	4.6	13
209	Applying a Sustainable Development Lens to Global Biomass Potentials. <i>Sustainability</i> , 2019, 11, 5078.	1.6	21
210	Biomass-related sustainability: A review of the literature and interpretive structural modeling. <i>Energy</i> , 2019, 171, 1107-1125.	4.5	71
211	Pyrolysis of Garden Waste: Comparative Study of <i>Leucaena leucocephala</i> (Subabul Leaves) and <i>Azadirachta indica</i> (Neem Leaves) Wastes. , 2019, , 293-306.		2
212	Plant Molecular Farming – Integration and Exploitation of Side Streams to Achieve Sustainable Biomanufacturing. <i>Frontiers in Plant Science</i> , 2018, 9, 1893.	1.7	94
213	Potential of Microalgae for Integrated Biomass Production Utilizing CO <sub>2</sub> and Food Industry Wastewater. , 2019, , 41-67.		4
214	Biodegradable Polymeric Solid Framework-Based Organic Phase-Change Materials for Thermal Energy Storage. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 10652-10677.	1.8	65
215	Socioeconomic impacts of biofuel production from lignocellulosic biomass. , 2019, , 347-366.		4
216	Comparative life cycle assessment of a waste to ethanol biorefinery system versus conventional waste management methods. <i>Resources, Conservation and Recycling</i> , 2019, 149, 130-139.	5.3	46
217	Evolution toward the utilization of mango leaves as lignocellulosic material in bioethanol production: A review of process parameter and integrated technologies. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13233.	1.3	4
218	Business in Bioresources. , 2019, , 59-75.		0
219	Gaseous and speciated particulate emissions from the open burning of wastes from tree pruning. <i>Atmospheric Research</i> , 2019, 226, 110-121.	1.8	27
220	Different Cell Disruption and Lipid Extraction Methods from Microalgae for Biodiesel Production. , 2019, , 265-292.		16

#	ARTICLE	IF	CITATIONS
221	Global advanced bioenergy potential under environmental protection policies and societal transformation measures. <i>GCB Bioenergy</i> , 2019, 11, 1041-1055.	2.5	39
222	Novel <i>Miscanthus</i> genotypes selected for different drought tolerance phenotypes show enhanced tolerance across combinations of salinity and drought treatments. <i>Annals of Botany</i> , 2019, 124, 653-674.	1.4	30
223	Biomass-based energy on the move – The geographical expansion of the European Union’s liquid biofuel regulation. <i>Geoforum</i> , 2019, 98, 25-35.	1.4	8
224	How an Innovative Sugarcane Biofuel System can Prevent a Clash between Food and Energy in Brazil. <i>Journal of Environmental Assessment Policy and Management</i> , 2019, 21, 1950005.	4.3	4
225	Towards Sustainable Wood-Based Energy: Evaluation and Strategies for Mainstreaming Sustainability in the Sector. <i>Sustainability</i> , 2019, 11, 493.	1.6	12
226	The Influence of Active Phase Loading on the Hydrodeoxygenation (HDO) of Ethylene Glycol over Promoted MoS <sub>2</sub> /MgAl <sub>2</sub> O <sub>4</sub> Catalysts. <i>Topics in Catalysis</i> , 2019, 62, 752-763.	1.3	4
227	Biochar as a Multifunctional Component of the Environment – A Review. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1139.	1.3	72
228	Solubility of lignin and chitin in ionic liquids and their biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 265-277.	3.6	81
230	Competing land uses and fossil fuel, and optimal energy conversion rates during the transition toward a green economy under a pollution stock constraint. <i>Journal of Environmental Economics and Management</i> , 2019, 97, 92-115.	2.1	23
231	Agency in actor networks: Who is governing transitions towards a bioeconomy? The case of Colombia. <i>Journal of Cleaner Production</i> , 2019, 225, 728-742.	4.6	12
232	Novel method for analyzing transport parameters in through-diffusion tests. <i>Journal of Environmental Radioactivity</i> , 2019, 196, 125-132.	0.9	9
233	Natural Resource and Environmental Dimensions of Agrifood Systems. , 2019, , 349-377.		0
234	The Challenge of Feeding the World. <i>Sustainability</i> , 2019, 11, 5816.	1.6	256
236	Characteristics and catalytic activity of zeolite-a synthesized from rice husk silica and aluminium metal by sol-gel method. <i>Journal of Physics: Conference Series</i> , 2019, 1338, 012015.	0.3	7
237	Soybean hulls as feed substitute of ground corn can increase the fiber digestibility and bacterial fibrolytic profile of grazing Nellore steers during the rainy season. <i>Semina:Ciencias Agrarias</i> , 2019, 40, 3577.	0.1	3
238	Investigation of solvent effects on the hydrodeoxygenation of guaiacol over Ru catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 6253-6273.	2.1	28
239	Potential yields and emission reductions of biojet fuels produced via hydrotreatment of biocrudes produced through direct thermochemical liquefaction. <i>Biotechnology for Biofuels</i> , 2019, 12, 281.	6.2	17
240	Resources, Collaborators, and Neighbors: The Three-Pronged Challenge in the Implementation of Bioeconomy Regions. <i>Sustainability</i> , 2019, 11, 7235.	1.6	35

#	ARTICLE	IF	CITATIONS
241	Bioethanol From Biorenewable Feedstocks: Technology, Economics, and Challenges. , 2019, , 3-27.		24
242	Evolution and perspectives of the bioenergy applications in Spain. Journal of Cleaner Production, 2019, 213, 553-568.	4.6	36
243	Life Cycle Assessment of Renewable Energy Production from Biomass. Green Energy and Technology, 2019, , 81-98.	0.4	4
244	A land-based approach for the environmental assessment of Mediterranean annual and perennial energy crops. European Journal of Agronomy, 2019, 103, 63-72.	1.9	10
245	Catalytic effects of potassium on biomass pyrolysis, combustion and torrefaction. Applied Energy, 2019, 235, 346-355.	5.1	170
246	On the Carbon Abatement Potential and Economic Viability of Biochar Production Systems. , 2019, , 385-408.		3
247	Oxidative reaction interaction and synergistic index of emulsified pyrolysis bio-oil/diesel fuels. Renewable Energy, 2019, 136, 223-234.	4.3	27
248	Potential trade-offs of employing perennial biomass crops for the bioeconomy in the EU by 2050: Impacts on agricultural markets in the EU and the world. GCB Bioenergy, 2019, 11, 483-504.	2.5	21
249	Key Challenges and Opportunities. , 2019, , 297-378.		1
250	Future Role of Bioenergy. , 2019, , 435-547.		17
251	Nexus Bioenergyâ€™Bioeconomy. , 2019, , 3-24.		17
252	Technological pathways for bioenergy generation from municipal solid waste: Renewable energy option. Environmental Progress and Sustainable Energy, 2019, 38, 654-671.	1.3	29
253	Whole genome sequence analysis of Geitlerinema sp. FC II unveils competitive edge of the strain in marine cultivation system for biofuel production. Genomics, 2019, 111, 465-472.	1.3	5
254	Choice of Pretreatment Technology for Sustainable Production of Bioethanol from Lignocellulosic Biomass: Bottle Necks and Recommendations. Waste and Biomass Valorization, 2019, 10, 1693-1709.	1.8	58
255	Powered two-wheelers for sustainable mobility: A review of consumer adoption of electric motorcycles. International Journal of Sustainable Transportation, 2020, 14, 215-231.	2.1	63
256	Bioenergy development and the implications for the social wellbeing of Indigenous peoples in Canada. Ambio, 2020, 49, 299-309.	2.8	15
257	Assessment of the Quality of Alternative Fuels for Gasoline Engines. Lecture Notes in Mechanical Engineering, 2020, , 871-881.	0.3	4
258	From the allocation debate to a substitution paradox in waste bioenergy life cycle assessment studies. International Journal of Life Cycle Assessment, 2020, 25, 181-187.	2.2	6

#	ARTICLE	IF	CITATIONS
259	Oleaginous feedstocks for hydro-processed esters and fatty acids (HEFA) biojet production in southeastern Brazil: A multi-criteria decision analysis. <i>Renewable Energy</i> , 2020, 149, 1339-1351.	4.3	25
260	Management of water, energy, and food resources: Go for green policies. <i>Journal of Cleaner Production</i> , 2020, 251, 119662.	4.6	46
261	Conversion of Microalgae Biomass to Biofuels. , 2020, , 149-161.		12
262	Study of structural and molecular interaction for the catalytic activity of cellulases: An insight in cellulose hydrolysis for higher bioethanol yield. <i>Journal of Molecular Structure</i> , 2020, 1204, 127547.	1.8	23
263	Energy valuation of urban pruning residues feasibility assessment. <i>Biomass and Bioenergy</i> , 2020, 142, 105763.	2.9	8
264	Technological advancement in the synthesis and applications of lignin-based nanoparticles derived from agro-industrial waste residues: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1828-1843.	3.6	71
265	Grand Challenges in Central Europe: The Relationship of Food Security, Climate Change, and Energy Use. <i>Energies</i> , 2020, 13, 5422.	1.6	17
266	Comparative evaluation of aquatic biomass feedstocks for energy application and potential for extraction of plant nutrients from their ash. <i>Biomass and Bioenergy</i> , 2020, 142, 105783.	2.9	17
267	Quantification and technological assessment of bioenergy generation through agricultural residues in Punjab (Pakistan). <i>Biomass and Bioenergy</i> , 2020, 139, 105612.	2.9	16
268	Determinants of the ecological footprint in Thailand: the influences of tourism, trade openness, and population density. <i>Environmental Science and Pollution Research</i> , 2020, 27, 40171-40186.	2.7	58
269	Analysis of Plant-Production-Obtained Biomass in Function of Sustainable Energy. <i>Sustainability</i> , 2020, 12, 5486.	1.6	9
270	Lignocellulose-derived monosugars: a review of biomass pre-treating techniques and post-methods to produce sustainable biohydrogen. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	2.9	9
271	Life-cycle assessment of the production of cationized tannins from Norway spruce bark as flocculants in wastewater treatment. <i>Biofuels, Bioproducts and Biorefining</i> , 2020, 14, 1270-1285.	1.9	11
272	Sustainable Production of Monoraphidium Microalgae Biomass as a Source of Bioenergy. <i>Energies</i> , 2020, 13, 5975.	1.6	13
273	Consolidated Bioprocessing, an Innovative Strategy towards Sustainability for Biofuels Production from Crop Residues: An Overview. <i>Agronomy</i> , 2020, 10, 1834.	1.3	71
274	Renewable hydrogen production by aqueous-phase reforming of Glycerol using Ni/Al <sub>2</sub> O <sub>3</sub> -MgO nano-catalyst: effect of the Ni loading. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 237-246.	2.9	3
275	Sustainability aspects of biomass gasification systems for small power generation. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110180.	8.2	27
276	Economics of Distributed Power Generation via Gasification of Biomass and Municipal Solid Waste. <i>Energies</i> , 2020, 13, 3703.	1.6	27



#	ARTICLE	IF	CITATIONS
277	Enhancement of Soil Health Using Biochar. , 0, , .		3
278	Bioenergy in the Canadian Prairies: Assessment of accessible biomass from agricultural crop residues and identification of potential biorefinery sites. Biomass and Bioenergy, 2020, 140, 105669.	2.9	22
279	Thermal Characteristic of <i>Tetraselmis chuii</i>; Combustion Influenced by Titanium Dioxide (TiO <sub>2</sub> ) Nanoparticle. Key Engineering Materials, 0, 851, 149-155.	0.4	2
280	Using Apparent Electrical Conductivity as Indicator for Investigating Potential Spatial Variation of Soil Salinity across Seven Oases along Tarim River in Southern Xinjiang, China. Remote Sensing, 2020, 12, 2601.	1.8	24
281	Of renewable energy, energy democracy, and sustainable development: A roadmap to accelerate the energy transition in developing countries. Energy Research and Social Science, 2020, 70, 101716.	3.0	171
282	Crop Residue Removal: Assessment of Future Bioenergy Generation Potential and Agro-Environmental Limitations Based on a Case Study of Ukraine. Energies, 2020, 13, 5343.	1.6	11
283	Differential Production of Phenolics, Lipids, Carbohydrates and Proteins in Stressed and Unstressed Aquatic Plants, <i>Azolla filiculoides</i> and <i>Azolla pinnata</i> . Biology, 2020, 9, 342.	1.3	27
284	Step by step extraction of bio-actives from the brown seaweeds, <i>Carpophyllum flexuosum</i> , <i>Carpophyllum plumosum</i> , <i>Ecklonia radiata</i> and <i>Undaria pinnatifida</i> . Algal Research, 2020, 52, 102092.	2.4	26
285	Biochemical features of dye-decolorizing peroxidases: Current impact on lignin degradation. Biotechnology and Applied Biochemistry, 2020, 67, 751-759.	1.4	38
286	Commercial experience with miscanthus crops: Establishment, yields and environmental observations. GCB Bioenergy, 2020, 12, 510-523.	2.5	17
287	GHG Emissions and Efficiency of Energy Generation through Anaerobic Fermentation of Wetland Biomass. Energies, 2020, 13, 6497.	1.6	11
288	Engine performance and emission profile of <i>Simarouba glauca</i> biodiesel and blends. International Journal of Oil, Gas and Coal Technology, 2020, 25, 202.	0.1	2
289	Numerical Investigation of the Effect of Incorporated Guide Vane Length with SCC Piston for High-Viscosity Fuel Applications. Processes, 2020, 8, 1328.	1.3	2
290	Gasification-based biorefinery integration in the pulp and paper industry: A critical review. Renewable and Sustainable Energy Reviews, 2020, 133, 110210.	8.2	26
291	Food and Non-Food Biomass Production, Processing and Use in sub-Saharan Africa: Towards a Regional Bioeconomy. Sustainability, 2020, 12, 2013.	1.6	14
292	Potential Bioenergy Production from <i>Miscanthus Æ giganteus</i> in Brandenburg: Producing Bioenergy and Fostering Other Ecosystem Services while Ensuring Food Self-Sufficiency in the Berlin-Brandenburg Region. Sustainability, 2020, 12, 7731.	1.6	6
293	Productivity growth and its determinants of the bioenergy industry in the <sc>EU28</sc> region: Empirical evidence using <sc>Malmquist</sc> productivity index. Business Strategy and Development, 2020, 3, 531-542.	2.2	9
294	A new integrated framework to estimate the climate change impacts of biomass utilization for biofuel in life cycle assessment. Journal of Cleaner Production, 2020, 267, 122061.	4.6	23

#	ARTICLE	IF	CITATIONS
295	Effect of Pyrolysis Temperature on PhysicoChemical Properties and Acoustic-Based Amination of Biochar for Efficient CO <sub>2</sub> Adsorption. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	138
296	Potential of beef and biogas from integration of beef cattle-oil palm in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 443, 012075.	0.2	0
297	Experimental investigation on performance, combustion and emission characteristics of DI diesel engine using algae as a biodiesel. <i>Energy Reports</i> , 2020, 6, 1382-1392.	2.5	118
299	Research trends: Bioeconomy politics and governance. <i>Forest Policy and Economics</i> , 2020, 118, 102219.	1.5	41
300	Biomechanics of vascular plant as template for engineering design. <i>Materialia</i> , 2020, 12, 100747.	1.3	7
301	The Importance of Social Norm on Adopting Sustainable Digital Fertilisation Methods. <i>Organization and Environment</i> , 2022, 35, 79-102.	2.5	14
302	Hydrochar structural determination from artifact-free Raman analysis. <i>Carbon</i> , 2020, 167, 378-387.	5.4	13
303	Open for bioenergy business? Perspectives from Indigenous business leaders on biomass development potential in Canada. <i>Energy Research and Social Science</i> , 2020, 64, 101446.	3.0	16
304	Augmented Leaching Pretreatments for Forest Wood Waste and Their Effect on Ash Composition and the Lignocellulosic Network. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5674-5682.	3.2	11
305	Chemical Traits of Fermented Alfalfa Brown Juice: Its Implications on Physiological, Biochemical, Anatomical, and Growth Parameters of Celosia. <i>Agronomy</i> , 2020, 10, 247.	1.3	16
306	Conceptualising policy for sustainable agriculture development. <i>Australian Journal of Public Administration</i> , 2020, 80, 493.	1.0	8
307	Can Multiple Uses of Biomass Limit the Feedstock Availability for Future Biogas Production? An Overview of Biogas Feedstocks and Their Alternative Uses. <i>Energies</i> , 2020, 13, 2747.	1.6	5
308	Review of the impact of renewable energy development on the environment and nature conservation in Southeast Asia. <i>Energy, Ecology and Environment</i> , 2020, 5, 221-239.	1.9	39
309	Bio-aviation Fuel: A Comprehensive Review and Analysis of the Supply Chain Components. <i>Frontiers in Energy Research</i> , 0, 8, .	1.2	115
310	Behavior of Metal Impurities on Surface and Bulk of Biogenic Silica from Rice Husk Combustion and the Impact on Ash-Melting Tendency. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10369-10379.	3.2	22
311	A regional assessment of land-based carbon mitigation potentials: Bioenergy, BECCS, reforestation, and forest management. <i>GCB Bioenergy</i> , 2020, 12, 346-360.	2.5	15
312	Governance of sustainability in the German biogas sector—adaptive management of the Renewable Energy Act between agriculture and the energy sector. <i>Energy, Sustainability and Society</i> , 2020, 10, .	1.7	30
313	Improving Policy Evidence Base for Agricultural Sustainability and Food Security: A Content Analysis of Life Cycle Assessment Research. <i>Sustainability</i> , 2020, 12, 1033.	1.6	21

#	ARTICLE	IF	CITATIONS
314	High-value chemicals from marine diatoms: a biorefinery approach. IOP Conference Series: Earth and Environmental Science, 2020, 460, 012012.	0.2	6
315	Hydrothermal liquefaction of rice husk and cow dung in Mixed-Bed-Rotating Pyrolyzer and application of biochar for dye removal. Bioresource Technology, 2020, 309, 123294.	4.8	66
316	Agave: A promising feedstock for biofuels in the water-energy-food-environment (WEFE) nexus. Journal of Cleaner Production, 2020, 261, 121283.	4.6	26
317	Potential for energy and biofuel from biomass in India. Renewable Energy, 2020, 155, 921-930.	4.3	37
318	Bioenergy in China: Evaluation of domestic biomass resources and the associated greenhouse gas mitigation potentials. Renewable and Sustainable Energy Reviews, 2020, 127, 109842.	8.2	136
319	Briquettes Production from Olive Mill Waste under Optimal Temperature and Pressure Conditions: Physico-Chemical and Mechanical Characterizations. Energies, 2020, 13, 1214.	1.6	14
320	A systematic analysis of Water-Energy-Food security nexus: A South Asian case study. Science of the Total Environment, 2020, 728, 138451.	3.9	54
321	Hydrogen-rich gas production with $\text{CO}_2$ capture from steam gasification of pine needle using calcium oxide: Experimental and modeling study. International Journal of Energy Research, 2020, 44, 6927-6938.	2.2	23
322	The study of highly mineralized peat sedimentation products in terms of their use as an energy source. Fuel, 2020, 271, 117593.	3.4	8
323	Application of artificial neural network and response surface methodology for predicting and optimizing dual-fuel CI engine characteristics using hydrogen and bio fuel with water injection. Fuel, 2020, 270, 117576.	3.4	38
324	Does biomass energy consumption mitigate $\text{CO}_2$ emissions? The role of economic growth and urbanization: evidence from developing Asia. Journal of the Asia Pacific Economy, 2021, 26, 96-115.	1.0	60
325	A literature-based study on the water-energy-food nexus for sustainable development. Stochastic Environmental Research and Risk Assessment, 2021, 35, 95-116.	1.9	44
326	A proposal of a balanced scorecard to the water, energy and food nexus approach: Brazilian food policies in the context of sustainable development goals. Stochastic Environmental Research and Risk Assessment, 2021, 35, 129-146.	1.9	14
327	Are the planning targets of liquid biofuel development achievable in China under climate change?. Agricultural Systems, 2021, 186, 102963.	3.2	9
328	Sustainable development challenges of the biofuel industry in India based on integrated MCDM approach. Renewable Energy, 2021, 164, 298-309.	4.3	44
329	Hydrogen production through water splitting at low temperature over $\text{Fe}_3\text{O}_4$ pellet: Effects of electric power, magnetic field, and temperature. Fuel Processing Technology, 2021, 211, 106606.	3.7	36
330	Co-transesterification of waste cooking oil, algal oil and dimethyl carbonate over sustainable nanoparticle catalysts. Chemical Engineering Journal, 2021, 405, 127036.	6.6	23
331	Exploring the nexus between tourism development and environmental quality: Role of Renewable energy consumption and Income. Structural Change and Economic Dynamics, 2021, 56, 53-63.	2.1	73

#	ARTICLE	IF	CITATIONS
332	Role of oxygen defects in basicity of Se doped ZnO nanocatalyst for enhanced triglyceride transesterification in biodiesel production. <i>Catalysis Communications</i> , 2021, 149, 106258.	1.6	24
333	Hybrid sorrel: cultivation potential and use as a novel non-food multipurpose crop. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 131-149.	1.9	1
334	Biochemical methane potential of residual biomass for energy generation. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1165-1178.	1.2	1
335	Special Issue on Assessing the Modern Bioenergy Potential and Strategies for Sustainable Development: Transformations through Nexus, Policy, and Innovations. <i>Sustainability</i> , 2021, 13, 374.	1.6	3
336	Role of organosolv pretreatment on enzymatic hydrolysis of mustard biomass for increased saccharification. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1657-1668.	2.9	13
337	Identifying new criteria for assessing the impact on the ecosystem generated by the establishment of Jerusalem artichoke crops on difficult and floodable soils. <i>E3S Web of Conferences</i> , 2021, 286, 03022.	0.2	1
338	Conversion of jet biofuel range hydrocarbons from palm oil over zeolite hybrid catalyst. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042098153.	1.2	14
339	Size-Segregated Particulate Matter from Gasification of Bulgarian Agro-Forest Biomass Residue. <i>Energies</i> , 2021, 14, 385.	1.6	4
340	An integrated approach to quantifying the efficiency of plants and algae in water purification and bioethanol production. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	3
341	High-Octane Fuel Compositions Based on Petroleum and Biocomponents. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 685-694.	0.3	0
342	The effects of renewable and nonrenewable energy consumption on the ecological footprint: the role of environmental policy in BRICS countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27885-27899.	2.7	54
343	Macromolecular Characterization of Petroleum Crude for Deeper Insights into Acute Flow Problems: A Case Study from Lakwa Oil Field, Assam, India. <i>Green Energy and Technology</i> , 2021, , 117-127.	0.4	0
344	Advanced and sustainable biodiesel fuels: technologies and applications. , 2021, , 131-161.		0
345	An overview of policy framework and measures promoting bioenergy usage in the EU, the United States, and Canada. , 2021, , 383-421.		0
346	Transcriptomic Profiling of Populus Roots Challenged with Fusarium Reveals Differential Responsive Patterns of Invertase and Invertase Inhibitor-Like Families within Carbohydrate Metabolism. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 89.	1.5	7
347	The contribution of energy crops to biomass production. , 2021, , 47-113.		2
348	Bioenergy Production from Halophytes Crops for Sustainable Development. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 571-586.	0.4	2
350	Assessment of liquid biofuel potential from energy crops within the sustainable water-land-energy-carbon nexus. <i>Sustainable Energy and Fuels</i> , 2021, 5, 351-366.	2.5	10

#	ARTICLE	IF	CITATIONS
351	Microbial and Bioinformatics Approach in Biofuel Production. Clean Energy Production Technologies, 2021, , 257-306.	0.3	2
352	Application of combined extraction and microextraction techniques for food waste. , 2021, , 711-722.		1
353	Regional Diversification of Potential, Production and Efficiency of Use of Biogas and Biomass in Poland. Energies, 2021, 14, 742.	1.6	12
354	Sustainability of aviation biofuels. , 2021, , 287-335.		3
355	Interspecific and intraspecific phenotypic diversity for drought adaptation in bioenergy Arundo species. GCB Bioenergy, 2021, 13, 753-769.	2.5	2
356	Socio-economic predictors, soil fertility knowledge domains and strategies for sustainable maize intensification in Embu County, Kenya. Heliyon, 2021, 7, e06345.	1.4	17
357	Enhanced Carbon Sequestration in Marginal Land Upon Shift towards Perennial C4 Miscanthus Ã— giganteus: A Case Study in North-Western Czechia. Agronomy, 2021, 11, 293.	1.3	13
358	The Availability and Assessment of Potential Agricultural Residues for the Regional Development of Second-Generation Bioethanol in Thailand. Waste and Biomass Valorization, 2021, 12, 6091-6118.	1.8	29
359	Hydroponic farming hotspot analysis using the Getisâ€™Ord Gi* statistic and high-resolution satellite data of Majuli Island, India. Remote Sensing Letters, 2021, 12, 408-418.	0.6	16
360	Iron incorporation both intra- and extra-cellularly improves the yield and saccharification of switchgrass (Panicum virgatum L.) biomass. Biotechnology for Biofuels, 2021, 14, 55.	6.2	2
361	Estimation of ruminal outflow in buffaloes fed diets with different energy and protein sources by use of reticular and omasal sampling. Tropical Animal Health and Production, 2021, 53, 201.	0.5	0
362	Changes in Energy Consumption in Agriculture in the EU Countries. Energies, 2021, 14, 1570.	1.6	49
363	Co-gasification of high-density polyethylene and pretreated pine wood. Applied Energy, 2021, 285, 116472.	5.1	39
364	Impacts of bioenergy sustainable growth on food security in EU28 region: an empirical analysis. Environment, Development and Sustainability, 0, , 1.	2.7	8
365	Virtual water output intensifies the water scarcity in Northwest China: Current situation, problem analysis and countermeasures. Science of the Total Environment, 2021, 765, 144276.	3.9	39
366	A zero-carbon, reliable and affordable energy future in Australia. Energy, 2021, 220, 119678.	4.5	49
367	Microalgae Consortia for Post-treating Effluent of Anaerobic Digestion of Cattle Waste and Evaluation of Biochemical Composition of Biomass. Bioenergy Research, 0, , 1.	2.2	2
368	Anaerobic Digestion and Hot Water Pretreatment of Tropically Grown C4 Energy Grasses: Mass, Carbon, and Energy Conversions from Field Biomass to Fuels. Agronomy, 2021, 11, 838.	1.3	5

#	ARTICLE	IF	CITATIONS
369	Effects of forest harvesting and biomass removal on soil carbon and nitrogen: Two complementary meta-analyses. <i>Forest Ecology and Management</i> , 2021, 485, 118935.	1.4	36
370	Effect of alkali and alkaline metals on gas formation behavior and kinetics during pyrolysis of pine wood. <i>Fuel</i> , 2021, 290, 120081.	3.4	33
371	The decarbonisation of Europe powered by lifestyle changes. <i>Environmental Research Letters</i> , 2021, 16, 044057.	2.2	32
372	Efficiency and Resource Implications of Food Losses and Waste in sub-Saharan Africa. <i>Journal of Asian and African Studies</i> , 2022, 57, 446-461.	0.9	3
373	Alternative fuel options for low carbon maritime transportation: Pathways to 2050. <i>Journal of Cleaner Production</i> , 2021, 297, 126651.	4.6	157
374	Systematic review on effects of bioenergy from edible versus inedible feedstocks on food security. <i>Npj Science of Food</i> , 2021, 5, 9.	2.5	21
375	Deadlock in sustainable aviation fuels: A multi-case analysis of agency. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 94, 102799.	3.2	18
376	Optimization of the Production of Ethylene Di-Amine Tetra-Acetic Acid Modified Activated Carbon using Palm Kernel Shell for the Adsorption of Copper ion. <i>Chemical Science International Journal</i> , 0, , 1-11.	0.3	0
377	Drivers of cooking energy choices by meal-types among smallholder farmers in western Kenya. <i>Journal of Energy in Southern Africa</i> , 2021, 32, 41-58.	0.5	1
378	Marginal lands providing tree-crop biomass as feedstock for solid biofuels. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1395-1405.	1.9	10
379	Comparison of Ash Content in Vineyard Pruning Residues from Moravian Region. <i>Acta Technologica Agriculturae</i> , 2021, 24, 79-83.	0.2	1
380	Overview of Biodiesel Combustion in Mitigating the Adverse Impacts of Engine Emissions on the Sustainable Human-Environment Scenario. <i>Sustainability</i> , 2021, 13, 5465.	1.6	55
381	Determining the Household Consumption Expenditure's Resilience towards Petrol Price, Disposable Income and Exchange Rate Volatilities. <i>Economies</i> , 2021, 9, 87.	1.2	6
382	Selection of Indigenous Algal Species for Potential Biodiesel Production. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 851-863.	0.3	1
384	Process Optimization for Biodiesel Production from Highly Acidic Hibiscus Cannabinus (Deccan Hemp) Oil. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 795, 012025.	0.2	1
385	Low carbon air transport development trends and policy implications based on a scientometrics-based data analysis system. <i>Transport Policy</i> , 2021, 107, 1-10.	3.4	7
386	A comprehensive review of energy scenario and sustainable energy in Kenya. <i>Fuel Communications</i> , 2021, 7, 100015.	2.0	21
387	Enhancing hydrolysis and bio-methane generation of extruded lignocellulosic wood waste using microbial pre-treatment. <i>Renewable Energy</i> , 2021, 170, 438-448.	4.3	12

#	ARTICLE	IF	CITATIONS
388	Industrial gasification systems (>3 MWth) for bioenergy in Europe: Current status and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 111108.	8.2	28
389	Latest energy and value-added product synthesis. <i>Avances En Ciencias E Ingenierías</i> , 2021, 13, 21.	0.1	0
390	Spatially Explicit Assessment of Suitable Conditions for the Sustainable Production of Aviation Fuels in Brazil. <i>Land</i> , 2021, 10, 705.	1.2	4
391	Emerging technologies for biofuel production: A critical review on recent progress, challenges and perspectives. <i>Journal of Environmental Management</i> , 2021, 290, 112627.	3.8	122
392	Shifting from fossil-based economy to bio-based economy: Status quo, challenges, and prospects. <i>Energy</i> , 2021, 228, 120533.	4.5	66
393	Valorization of secondary feedstocks from the agroindustry by selective catalytic oxidation to formic and acetic acid using the OxFA process. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 7199-7206.	2.9	6
394	Agricultural Land or Photovoltaic Parks? The Water-Energy-Food Nexus and Land Development Perspectives in the Thessaly Plain, Greece. <i>Sustainability</i> , 2021, 13, 8935.	1.6	22
395	Eatery, energy, environment and economic system, 1970-2017: Understanding volatility spillover patterns in a global sample. <i>Energy Economics</i> , 2021, 100, 105391.	5.6	12
396	Integrative design of the optimal biorefinery and bioethanol supply chain under the water-energy-food-land (WEFL) nexus framework. <i>Energy</i> , 2021, 228, 120574.	4.5	16
397	Conversion of protein-rich lignocellulosic wastes to bio-energy: Review and recommendations for hydrolysis + fermentation and anaerobic digestion. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 146, 111167.	8.2	41
398	Pyrolysis of kenaf ( <i>Hibiscus cannabinus</i> L.) biomass: influence of ashless treatment on kinetics and thermal behavior. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7399-7410.	2.0	6
399	Effects of Covid-19 pandemic on agri-food production and farmers. <i>Food Science and Technology</i> , 0, 42, .	0.8	4
400	Environmental impact of bioplastic use: A review. <i>Heliyon</i> , 2021, 7, e07918.	1.4	178
401	Food, energy or biomaterials? Policy coherence across agro-food and bioeconomy policy domains in the EU. <i>Environmental Science and Policy</i> , 2021, 123, 21-30.	2.4	30
402	Development of Solar Powered Biodiesel Reactor for Kuwait Sheep Tallow. <i>Processes</i> , 2021, 9, 1623.	1.3	4
404	A novel mathematical modelling platform for evaluation of a novel biorefinery design with Green hydrogen recovery to produce renewable aviation fuel. <i>Chemical Engineering Research and Design</i> , 2021, 175, 358-379.	2.7	10
405	Global Food Security, Economic and Health Risk Assessment of the COVID-19 Epidemic. <i>Mathematics</i> , 2021, 9, 2398.	1.1	5
406	Impacts of China's bioethanol policy on the global maize market: a partial equilibrium analysis to 2030. <i>Food Security</i> , 2022, 14, 147-163.	2.4	18

#	ARTICLE	IF	CITATIONS
407	Land-use change from food to energy: meta-analysis unravels effects of bioenergy on biodiversity and cultural ecosystem services. <i>Environmental Research Letters</i> , 2021, 16, 113005.	2.2	13
408	Equilibrium Modeling for Environmental Science: Exploring the Nexus of Economic Systems and Environmental Change. <i>Earth's Future</i> , 2021, 9, e2020EF001923.	2.4	6
409	Policy and governance dynamics in the water-energy-food-land nexus of biofuels: Proposing a qualitative analysis model. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111384.	8.2	31
410	Techno-economic review of alternative fuels and propulsion systems for the aviation sector. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111564.	8.2	61
411	Multi-objective optimization of integrated crop-livestock system for biofuels production: A life-cycle approach. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111671.	8.2	16
412	Variation of lignocellulosic biomass structure from torrefaction: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111698.	8.2	86
413	Progress on the lignocellulosic biomass pyrolysis for biofuel production toward environmental sustainability. <i>Fuel Processing Technology</i> , 2021, 223, 106997.	3.7	256
414	Value-added diagnostics for the assessment and validation of integrated assessment models. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111605.	8.2	2
415	The study of bioenergy with molasses raw materials: analysis of potential and problems in its development in East Java, Indonesia. <i>E3S Web of Conferences</i> , 2021, 232, 04005.	0.2	2
416	Social, economic, and environmental aspects of bioenergy resources. , 2021, , 391-423.		1
417	Institutional Settings, Renewable Energy Development, and Forest Cover Changes in Sub-Saharan Africa. <i>Impact of Meat Consumption on Health and Environmental Sustainability</i> , 2021, , 39-67.	0.4	0
418	Elements of Holistic Sustainability Assessments for Energy Systems. <i>Green Energy and Technology</i> , 2021, , 71-106.	0.4	0
419	Sustainability and Sustainable Development in the Food Industry. , 2021, , 1-14.		0
420	Organic agriculture: impact on the environment and food quality. , 2021, , 31-58.		1
421	Infrared Spectroscopy of Gasolines with Addition of Ethanol. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 442-450.	0.3	2
422	Influence of High-Octane Bioadditives on Physical and Chemical Properties of Low-Octane Gasoline. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 367-376.	0.3	1
423	Bioenergy Feedstock Types and Properties. , 2020, , 1-21.		1
424	Biomass-Based Value Webs: A Novel Perspective for Emerging Bioeconomies in Sub-Saharan Africa. , 2016, , 225-238.		16



#	ARTICLE	IF	CITATIONS
425	Does Wetland Biomass Provide an Alternative to Maize in Biogas Generation?. Springer Proceedings in Energy, 2018, , 127-137.	0.2	5
426	Catalytic Approach for Production of Hydrocarbon Rich Bio-Oil from a Red Seaweed Species. , 2020, , 109-133.		3
427	The National Policy of biofuels of India – A perspective. Energy Policy, 2020, 143, 111595.	4.2	62
428	The energy potential of agriculture, agroindustrial, livestock, and slaughterhouse biomass wastes through direct combustion and anaerobic digestion. The case of Colombia. Journal of Cleaner Production, 2020, 269, 122317.	4.6	59
429	A need for generating sound quantitative data at national levels for feed-efficient animal production. Animal Production Science, 2014, 54, 1569.	0.6	8
430	Sustaining soil carbon in bioenergy cropping systems of northern temperate regions.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-23.	0.6	8
431	The use of renewable energy sources in integrated energy supply systems for agriculture. IOP Conference Series: Earth and Environmental Science, 2020, 614, 012007.	0.2	13
434	Catalytic Performance of Sulfonated Carbon Catalysts for Hydrolysis of Palm Oil Empty Fruit Bunch. Jurnal Kimia Sains Dan Aplikasi, 2020, 23, 209-215.	0.1	1
435	Enhance of Cellulase Production and Biomass Degradation by Transformation of the Trichoderma reesei RUT-C30 Strain. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	2
436	Optimization of Raw Material Composition in an Agricultural Biogas Plant. Trends in Renewable Energy, 2017, 3, 61-75.	0.1	9
437	The Role of the Higher Education in the Development of the Agriculture. International Journal of Information and Education Technology, 2019, 9, 607-612.	0.9	8
438	Key issues in estimating energy and greenhouse gas savings of biofuels: challenges and perspectives. Biofuel Research Journal, 2016, 3, 380-393.	7.2	127
439	Impacts of Sugarcane Farmland Expansion towards Food Security among Sugarcane-farming Households in Khon Kaen Province, Thailand. Advanced Journal of Social Science, 2018, 4, 11-17.	0.2	1
440	New Data for Representing Irrigated Agriculture in Economy-Wide Models. , 2018, 3, .		3
441	An Analysis of the Impacts of Bioenergy Development on Food Security in Nigeria: Challenges and Prospects. Environmental and Climate Technologies, 2019, 23, 64-83.	0.5	14
442	HISTORICAL DEVELOPMENTS IN CARBON SOURCES, BIOMASS, FOSSILS, BIOFUELS AND BIOTECHNOLOGY REVIEW ARTICLE. World Journal of Biology and Biotechnology, 2016, 1, 71.	0.2	1
443	Review: Assessing the climate mitigation potential of biomass. AIMS Energy, 2016, 5, 20-38.	1.1	23
444	A review and future directions on enhancing sustainability benefits across food-energy-water systems: the potential role of biochar-derived products. AIMS Environmental Science, 2019, 6, 379-416.	0.7	21

#	ARTICLE	IF	CITATIONS
445	Criteria prioritization for the sustainable development of second-generation bioethanol in Thailand using the Delphi-AHP technique. <i>Energy, Sustainability and Society</i> , 2021, 11, .	1.7	2
446	Progress of the Pyrolyzer Reactors and Advanced Technologies for Biomass Pyrolysis Processing. <i>Sustainability</i> , 2021, 13, 11061.	1.6	44
447	Exploring and visualizing co-patent networks in bioenergy field: A perspective from inventor, transnational inventor, and country. <i>International Journal of Green Energy</i> , 2022, 19, 562-575.	2.1	3
448	Thermochemical conversion strategies of biomass to biofuels, techno-economic and bibliometric analysis: A conceptual review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106503.	3.3	65
449	Empirical Research "setor sucroenerg�tico in Brazil" From the Experts' Mouths. <i>Contributions To Economics</i> , 2015, , 63-260.	0.2	0
450	Biopolymers. , 2015, , 1-20.		2
451	Biopolymers. , 2017, , 3211-3230.		2
452	Sugarcane Fields: Harvest Systems and Residue Management. , 2017, , 2231-2237.		0
453	6 Bioenergy and Food Production: Appropriate Allocation for Future Development. <i>Green Chemistry and Chemical Engineering</i> , 2017, , 221-234.	0.0	0
454	RESOURCE CONTROL BY INTRODUCING AN ENVIRONMENTAL CURRENCY: COMPARISON OF FEEDSTOCK SOURCES FOR POLYETHYLENE PRODUCTION. <i>Detritus</i> , 2018, In Press, 1.	0.4	0
456	Steam Explosion Pretreatment and Saccharification of Lignocellulosic Biomass. , 2018, , 1-14.		2
457	Renewables as important energy source for Moldova. <i>The EuroBiotech Journal</i> , 2018, 2, 24-29.	0.5	0
458	Fluidized Bed Combustion: Technology for Efficient Utilization of Biomass Residues. <i>Asian Journal of Engineering and Applied Technology</i> , 2018, 7, 73-79.	0.3	0
459	Drivers of Risks for Biodiversity and Ecosystem Services: Biogas Plants Development in Germany. , 2019, , 113-117.		1
460	Some Ways of Environmentally Sustainable Agriculture Production in the Context of Global Market and Natural Barriers. <i>World Sustainability Series</i> , 2020, , 369-383.	0.3	0
461	Development of New Filtering Materials for the Purification of Alternative Fuels from Mechanical Impurities. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 461-469.	0.3	0
462	Importance of the sugarcane industry in the formal employment in the state of Mato Grosso do Sul during the period of 2008 to 2014. <i>Revista De Economia E Sociologia Rural</i> , 2020, 58, .	0.2	1
463	Biofuel Production: Global Scenario and Future Challenges. <i>Biofuel and Biorefinery Technologies</i> , 2020, , 337-369.	0.1	1

#	ARTICLE	IF	CITATIONS
464	Bioenergy Policy: The Biodiesel Sustainability Dilemma in Indonesia. International Journal of Sustainable Development and Planning, 2020, 15, 537-546.	0.3	11
465	The role of rural areas in the preservation of health. International Review of Applied Sciences and Engineering, 2020, 11, 157-166.	0.3	1
466	Biodiesel Feedstocks. Green Energy and Technology, 2020, , 29-43.	0.4	0
467	Sustainability implications of transformation pathways for the bioeconomy. Sustainable Production and Consumption, 2022, 29, 215-227.	5.7	41
468	The Role of the Geospatial Information System (GIS) in Achieving the Sustainable Development Goals (SDGs). Impact of Meat Consumption on Health and Environmental Sustainability, 2022, , 451-481.	0.4	0
469	Agricultural land systems importance for supporting food security and sustainable development goals: A systematic review. Science of the Total Environment, 2022, 806, 150718.	3.9	135
470	Synthetic Biofuels and Greenhouse Gas Mitigation. , 2020, , 255-270.		4
471	Comparison of Environmental Impact of Two Different Bioelectricity Conversion Technologies by Means of LCA. Lecture Notes in Civil Engineering, 2020, , 619-628.	0.3	0
472	Organic Waste for Biofuel Production: Energy Conversion Pathways and Applications. Biofuel and Biorefinery Technologies, 2020, , 267-286.	0.1	0
473	Indirect Export of Reducing Equivalent From the Chloroplast to Resupply NADP for C3 Photosynthesis – Growing Importance for Stromal NAD(H)? Frontiers in Plant Science, 2021, 12, 719003.	1.7	4
474	Development Status in EU Biofuels Market. Visegrad Journal on Bioeconomy and Sustainable Development, 2020, 9, 67-71.	0.3	2
475	Production of biofuels in a microbial electrochemical reactor. , 2022, , 303-319.		0
476	Integrated conversion technologies for sustainable agri-food waste valorization: A critical review. Biomass and Bioenergy, 2022, 156, 106314.	2.9	20
477	Identification of Most Significant Parameter of Impact of Climate Change and Urbanization on Operational Efficiency of Hydropower Plant. , 2022, , 1320-1350.		0
478	Review on Evaluation of Renewable Bioenergy Potential for Sustainable Development: Bright Future in Energy Practice in India. ACS Sustainable Chemistry and Engineering, 2021, 9, 16007-16030.	3.2	29
479	Valorisation of CO2 into Value-Added Products via Microbial Electrosynthesis (MES) and Electro-Fermentation Technology. Fermentation, 2021, 7, 291.	1.4	35
480	Prioritization of renewable energy source for electricity generation through AHP-VIKOR integrated methodology. Renewable Energy, 2022, 184, 1018-1032.	4.3	85
481	An integrated host-microbiome response to atrazine exposure mediates toxicity in Drosophila. Communications Biology, 2021, 4, 1324.	2.0	10

#	ARTICLE	IF	CITATIONS
482	Fungal lignocellulolytic enzymes and lignocellulose: A critical review on their contribution to multiproduct biorefinery and global biofuel research. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 2304-2319.	3.6	33
483	Organizational, societal, knowledge and skills capacity for a low carbon energy transition in a Circular Waste Bioeconomy (CWBE): Observational evidence of the Thessaly region in Greece. <i>Science of the Total Environment</i> , 2022, 813, 151870.	3.9	11
484	Biofuels and their sources of production: A review on cleaner sustainable alternative against conventional fuel, in the framework of the food and energy nexus. <i>Energy Nexus</i> , 2021, 4, 100036.	3.3	76
485	Energy Analysis of the Twin Layer Solar Tunnel Drying of Tomato Slices. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
486	Prospectives for the development of a circular bioeconomy around the banana value chain. <i>Sustainable Production and Consumption</i> , 2022, 30, 541-555.	5.7	20
487	Agroecosystem landscape diversity shapes wild bee communities independent of managed honey bee presence. <i>Agriculture, Ecosystems and Environment</i> , 2022, 327, 107826.	2.5	9
488	Conversion of Carbon Monoxide to Chemicals Using Microbial Consortia. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021, , 1.	0.6	0
489	Alcohol Fuels in Spark Ignition Engines. <i>Energy, Environment, and Sustainability</i> , 2022, , 33-54.	0.6	9
490	Life cycle assessment for identification of critical aspects in emerging technologies for the extraction of phenolic compounds from spruce bark. <i>Journal of Cleaner Production</i> , 2022, 333, 130093.	4.6	15
491	Modeling the Economic and Environmental Impacts of Land Scarcity Under Deep Uncertainty. <i>Earth's Future</i> , 2022, 10, .	2.4	8
492	Benchmarking tertiary water treatments for the removal of micropollutants and pathogens based on operational and sustainability criteria. <i>Journal of Water Process Engineering</i> , 2022, 46, 102587.	2.6	24
493	Environmental sustainability, technoeconomic analysis, and policy-making aspects of biodiesel. , 2022, , 211-239.		5
494	Pilot plant and industrial-scale operations for biodiesel production. , 2022, , 179-210.		1
495	Spatio-Temporal Assessment of Biomass Self-Sufficiency in the European Union. <i>Sustainability</i> , 2022, 14, 1897.	1.6	7
496	Seaweed: A potential climate change solution. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 159, 112222.	8.2	49
497	Efficient Utilization and Bioprocessing of Agro-Industrial Waste. <i>Sustainable Agriculture Reviews</i> , 2021, , 1-37.	0.6	2
498	A Comparative Study of Ionothermal Treatment of Rice Straw Using Triflate and Acetate-Based Ionic Liquids. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
499	On the Interdependence between Biofuel, Fossil Fuel and Agricultural Food Prices: Evidence from Quantile Tests. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
500	Prospects for Bioenergy Development Potential from Dedicated Energy Crops in Ecuador: An Agroecological Zoning Study. SSRN Electronic Journal, 0, , .	0.4	0
501	Artificial intelligence in the reduction and management of land pollution. , 2022, , 319-333.		0
503	Techno-Economic and Life Cycle Environmental Performance analysis of a Biomass Powered Steam Power Plant. , 2022, , .		1
504	A Comparative LCA of Aeroponic, Hydroponic, and Soil Cultivations of Bioactive Substance Producing Plants. Sustainability, 2022, 14, 2421.	1.6	13
505	Extraction and characterization of mucilage from <i>Opuntia ficus-indica</i> cultivated on hydroponic system. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2022, 50, 12460.	0.5	1
506	Novel Ni-SIRAL Catalyst for Heterogeneous Ethylene Oligomerization. Industrial & Engineering Chemistry Research, 2022, 61, 4286-4299.	1.8	5
507	Renewable Energies in Ghana in Relation to Market Condition, the Environment, and Food Security. Journal of Renewable Energy, 2022, 2022, 1-8.	2.1	13
508	Energy Systems in the Food Supply Chain and in the Food Loss and Waste Valorization Processes: A Systematic Review. Energies, 2022, 15, 2234.	1.6	4
509	Bioenergy Production. , 0, , .		1
510	Cassava ( <i>Manihot esculenta</i> ) dual use for food and bioenergy: A review. Food and Energy Security, 2023, 12, .	2.0	24
511	Affordable clean energy transition in developing countries: Pathways and technologies. IScience, 2022, 25, 104178.	1.9	24
512	Analysis of the routes for biomass processing towards sustainable development in the conceptual design step: Strategy based on the compendium of bioprocesses portfolio. Bioresource Technology, 2022, 350, 126852.	4.8	11
513	Complex drought patterns robustly explain global yield loss for major crops. Scientific Reports, 2022, 12, 5792.	1.6	24
514	Can energy sector reach carbon neutrality with biomass limitations?. Energy, 2022, 249, 123797.	4.5	23
515	Syngas evolution and energy efficiency in CO <sub>2</sub> assisted gasification of ion-exchanged pine wood. Fuel, 2022, 317, 123549.	3.4	14
516	Integrated biopolymer and bioenergy production from organic wastes: Recent advances and future outlook. , 2022, , 261-283.		1
517	Participation of Smallholder Farmers in Modern Bioenergy Value Chains in Africa: Opportunities and Constraints. Bioenergy Research, 2023, 16, 248-262.	2.2	5
518	Bio-inspired and artificial intelligence enabled hydro-economic model for diversified agricultural management. Agricultural Water Management, 2022, 269, 107638.	2.4	13

#	ARTICLE	IF	CITATIONS
525	Consumer Acceptance of Plant-Based Meat Substitutes: A Narrative Review. <i>Foods</i> , 2022, 11, 1274.	1.9	51
526	Institutional Settings, Renewable Energy Development, and Forest Cover Changes in Sub-Saharan Africa. , 2022, , 1502-1531.		0
527	The use of wood waste from construction and demolition to produce sustainable bioenergy—a bibliometric review of the literature. <i>International Journal of Energy Research</i> , 0, , .	2.2	10
528	Life cycle assessment of bioenergy from lignocellulosic herbaceous biomass: The case study of <i>Spartina argentinensis</i> . <i>Energy</i> , 2022, 254, 124215.	4.5	9
529	Sustainable transition towards biomass-based cement industry: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 163, 112503.	8.2	38
530	Challenges and prospects for sustainable microalga-based oil: A comprehensive review, with a focus on metabolic and genetic engineering. <i>Fuel</i> , 2022, 324, 124567.	3.4	16
531	Production of biohydrogen. , 2022, , 283-337.		4
532	Energy policies in the context of third-generation biofuels. , 2022, , 731-743.		0
534	Evaluating the regional risks to food availability and access from land-based climate policies in an integrated assessment model. <i>Environment Systems and Decisions</i> , 2022, 42, 547-555.	1.9	1
535	Techno-economic Assessment of Bamboo Biomass Power Plant: Economic Model and Risk Impact Analysis. , 2022, , .		0
536	Recent Advances and Perspectives of Nanotechnology in Anaerobic Digestion: A New Paradigm towards Sludge Biodegradability. <i>Sustainability</i> , 2022, 14, 7191.	1.6	13
537	The energy system transformation needed to achieve the US long-term strategy. <i>Joule</i> , 2022, 6, 1357-1362.	11.7	12
538	Enablers of management system resilience in wind power plant. <i>International Journal of Ambient Energy</i> , 2022, 43, 8135-8151.	1.4	0
539	Raman spectroscopy for nutritional stress detection in plant vascular tissue. <i>Materialia</i> , 2022, 24, 101474.	1.3	1
540	Sustainable development in China: Valuation of bioenergy potential and CO2 reduction from crop straw. <i>Applied Energy</i> , 2022, 322, 119439.	5.1	10
541	Challenges and perspectives on innovative technologies for biofuel production and sustainable environmental management. <i>Fuel</i> , 2022, 325, 124845.	3.4	36
542	Environmental, social, and economic impacts of renewable energy sources. , 2022, , 57-85.		0
543	Securing Land and Water for Food Production through Sustainable Land Reform: A Nexus Planning Perspective. <i>Land</i> , 2022, 11, 974.	1.2	4

#	ARTICLE	IF	CITATIONS
544	Heterogeneous nanocatalyst for biodiesel fuel production: bench scale from waste oil sources. <i>Zeitschrift Fur Physikalische Chemie</i> , 2022, .	1.4	0
545	Case study for optimum techno-economic integration of PV and anaerobic digestion for sustainable agri-business. <i>Energy Reports</i> , 2022, 8, 362-375.	2.5	0
546	In-situ measurement of combustion characteristics and potassium release concentration during torrefied biomass burning based on spontaneous emission spectroscopy. <i>Fuel</i> , 2022, 328, 125249.	3.4	3
547	A comparative study of ionothermal treatment of rice straw using triflate and acetate-based ionic liquids. <i>Journal of Ionic Liquids</i> , 2022, 2, 100037.	1.0	6
548	Valorization of forestry residues by thermal methods. The effect of temperature on gradual degradation of structural components in bark from silver fir ( <i>Abies alba</i> Mill.). <i>Industrial Crops and Products</i> , 2022, 187, 115376.	2.5	4
550	Anaerobic Digested Wastewater CO2 Sequestration Using a Biophotocatalytic System with a Magnetized Photocatalyst (Fe-TiO2). <i>Molecules</i> , 2022, 27, 5213.	1.7	0
551	Valorization and Development of Acorn Starch as Sustainable and High-Performance Papermaking Additive for Improving Bagasse Pulp and Paper Properties. <i>Waste and Biomass Valorization</i> , 0, .	1.8	0
552	On the interdependence between biofuel, fossil fuel and agricultural food prices: Evidence from quantile tests. <i>Renewable Energy</i> , 2022, 199, 536-545.	4.3	13
553	Design of a biomass-heating network with an integrated heat pump: A simulation-based multi-objective optimization framework. <i>Applied Energy</i> , 2022, 326, 119922.	5.1	2
554	Priorities for Policy Design. <i>RSC Energy and Environment Series</i> , 2022, , 430-464.	0.2	1
555	CO2 in indoor environments: From environmental and health risk to potential renewable carbon source. <i>Science of the Total Environment</i> , 2023, 856, 159088.	3.9	28
556	Evaluation of Food Security Influencing Factors Based on Entropy Method. , 0, 11, 1-6.		0
557	Techno-Economic Analysis and Feasibility of Industrial-Scale Activated Carbon Production from Agricultural Pea Waste Using Microwave-Assisted Pyrolysis: A Circular Economy Approach. <i>Processes</i> , 2022, 10, 1702.	1.3	8
558	Optimization of Biodiesel Production Process from Household Waste Oil, Rapeseed, and Microalgae Oils as a Suitable Alternative for Jet Fuel. <i>Bioenergy Research</i> , 2023, 16, 1733-1745.	2.2	1
559	Hydrogen production from acid- and ammonia-pretreated biomass. <i>Journal of Mechanical Science and Technology</i> , 2022, 36, 5243-5251.	0.7	2
560	Mixed Solid-State Fermentation of Okara and Copra Meal by Probiotics with Non-Starch Polysaccharide Enzymes and Its Effects on the Growth Performance and Ileal Microbiota in Broilers. <i>Fermentation</i> , 2022, 8, 478.	1.4	2
561	Satellite Data Applications for Sustainable Energy Transitions. <i>Frontiers in Sustainability</i> , 0, 3, .	1.3	6
562	The evolution of biomass flows in Bangladesh (1961â€“2019): Providing insights for Bangladesh's transition to a sustainable circular bioeconomy. <i>Journal of Industrial Ecology</i> , 2023, 27, 71-83.	2.8	0

#	ARTICLE	IF	CITATIONS
563	The nexus between digital finance and carbon emissions: Evidence from China. <i>Frontiers in Psychology</i> , 0, 13, .	1.1	6
564	A review on unit operations, challenges, opportunities, and strategies to improve algal based biodiesel and biorefinery. <i>Frontiers in Chemical Engineering</i> , 0, 4, .	1.3	1
565	Palm oil-based bioenergy sustainability and policy in Indonesia and Malaysia: A systematic review and future agendas. <i>Heliyon</i> , 2022, 8, e10919.	1.4	8
566	How diet portfolio shifts combined with land-based climate change mitigation strategies could reduce climate burdens in Germany. <i>Journal of Cleaner Production</i> , 2022, 376, 134200.	4.6	6
567	Recent Developments in Cassava ( <i>Manihot esculenta</i> ) Based Biocomposites and Their Potential Industrial Applications: A Comprehensive Review. <i>Materials</i> , 2022, 15, 6992.	1.3	14
568	Production of Biohydrogen from Organ-Containing Waste for Use in Fuel Cells. <i>Energies</i> , 2022, 15, 8019.	1.6	3
569	Energy vs. Nutritional Potential of Virginia Mallow ( <i>Sida hermaphrodita</i> L.) and Cup Plant ( <i>Silphium</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	2
570	Bioplastics for Food Packaging: Environmental Impact, Trends and Regulatory Aspects. <i>Foods</i> , 2022, 11, 3087.	1.9	33
571	Rotation of Triticale and Sweet Sorghum Improves Saline-Alkali Soil and Increases Productivity in a Saline Soil. <i>Communications in Soil Science and Plant Analysis</i> , 0, , 1-16.	0.6	2
572	Co-Fermenting Pyrolysis Aqueous Condensate and Pyrolysis Syngas with Anaerobic Microbial Communities Enables L-Malate Production in a Secondary Fermentative Stage. <i>Fermentation</i> , 2022, 8, 512.	1.4	4
573	Effect of Dieselâ€“Turpentine binary blends on performance, combustion, exergy and emission parameters of a stationary compression ignition engine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 14681-14695.	2.0	1
574	Effects of moisture content on biodiesel (B100) properties during storage: A comparative analysis between biodiesel produced from used cooking oil and beef tallow. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 54, 102844.	1.7	2
575	Sustainability assessment of alternative energy power generation pathways through the development of impact indicators for water, land, GHG emissions, and cost. <i>Renewable and Sustainable Energy Reviews</i> , 2023, 171, 113030.	8.2	5
576	Magnesium hydride slurry: A potential net-zero carbon dioxide emitting aviation fuel. <i>Fuel</i> , 2023, 333, 126232.	3.4	1
577	Statistical optimization of enzymatic saccharification of sodium hydroxide pretreated parthenium hysterophorus biomass using response surface methodology. <i>Journal of Wood Chemistry and Technology</i> , 2023, 43, 1-12.	0.9	5
578	Synthesis of value-added furan compounds from biomass derived glucose via cascade catalysis using functionalized V2O5 catalysts. <i>Inorganic Chemistry Communication</i> , 2022, 146, 110226.	1.8	7
579	Bioenergy versus Soil Improvement: Policy Coherence and Implementation Gaps in Crop Residue-Based Bioenergy Development in China. <i>Water (Switzerland)</i> , 2022, 14, 3527.	1.2	1
580	Sustainable Intensification Farming as an Enabler for Farm Eco-Efficiency?. <i>Environmental and Resource Economics</i> , 2023, 84, 315-342.	1.5	3



#	ARTICLE	IF	CITATIONS
581	Impact assessment of global biofuel regulations and policies on biodiversity. , 2023, , 137-161.		1
582	How does innovation consortium promote low-carbon agricultural technology innovation: An evolutionary game analysis. Journal of Cleaner Production, 2023, 384, 135564.	4.6	21
583	Ecosystem services and economic competitiveness of perennial energy crops in the modelling of biomass potential â€” A case study of the Czech Republic. Renewable and Sustainable Energy Reviews, 2023, 173, 113120.	8.2	9
584	Agricultural biogas plants as a hub to foster circular economy and bioenergy: An assessment using substance and energy flow analysis. Resources, Conservation and Recycling, 2023, 190, 106770.	5.3	12
585	Decarbonisation Strategy for Renewable Energy Integration for Electrification of West African Nations: A Bottom-Up EnergyPLAN Modelling of West African Power Pool Targets. Sustainability, 2022, 14, 15933.	1.6	4
586	Experimental Analysis for Determining Potential of Wastewater Sludge Mixed with Degraded Biomass as Substrates for Biogas Production. Energies, 2022, 15, 8773.	1.6	0
587	Investigation of Energy and Economic Balance and GHG Emissions in the Production of Different Cultivars of Buckwheat (Fagopyrum esculentum Moench): A Case Study in Northeastern Poland. Energies, 2023, 16, 17.	1.6	1
588	Coming out the egg: Assessing the benefits of circular economy strategies in agri-food industry. Journal of Cleaner Production, 2023, 385, 135665.	4.6	24
590	BTX production by breaking down lignin: Current status and future prospects. Biofuels, Bioproducts and Biorefining, 2023, 17, 664-681.	1.9	2
591	Factors Determining the Farmersâ€™ Decision for Adoption and Non-Adoption of Oil Palm Cultivation in Northeast Thailand. Sustainability, 2023, 15, 1595.	1.6	2
592	Prospects for Bioenergy Development Potential from Dedicated Energy Crops in Ecuador: An Agroecological Zoning Study. Agriculture (Switzerland), 2023, 13, 186.	1.4	1
593	Current practices, potentials, challenges, future opportunities, environmental and economic assumptions for Türkiyeâ€™s clean and sustainable energy policy: A comprehensive assessment. Sustainable Energy Technologies and Assessments, 2023, 56, 103019.	1.7	3
594	Perspective on the strategies and challenges in hydrogen production from food and food processing wastes. Fuel, 2023, 338, 127376.	3.4	9
595	Analyzing the land and labour productivity of farms producing renewable energy: the Italian case study. Journal of Productivity Analysis, 0, , .	0.8	0
596	Biofuel co-products for livestock feed. , 2023, , 245-286.		0
597	The characteristics and impact of small and medium forest enterprises on sustainable forest management in Ghana. Scientific Reports, 2023, 13, .	1.6	3
599	Rice residue burning in Northern India: an assessment of environmental concerns and potential solutions â€” a review. Environmental Research Communications, 2023, 5, 062001.	0.9	8
600	Towards greater sustainability of sugarcane production by precision agriculture to meet ethanol demands in south-central Brazil based on a life cycle assessment. Biosystems Engineering, 2023, 229, 57-68.	1.9	3

#	ARTICLE	IF	CITATIONS
601	Photoreforming of Waste Polymers for Sustainable Hydrogen Fuel and Chemicals Feedstock: Waste to Energy. <i>Chemical Reviews</i> , 2023, 123, 4443-4509.	23.0	47
602	A Review on Pyrolysis of Agro-waste and Plastic Waste into Biofuels: Shifting to Bio-based Economy. <i>Bioenergy Research</i> , 2023, 16, 1438-1466.	2.2	1
603	Sustainable synthesis of graphene sand composite from waste cooking oil for dye removal. <i>Scientific Reports</i> , 2023, 13, .	1.6	9
604	Towards a synthesized critique of forest-based "carbon-fix"™ strategies. <i>Climate Resilience and Sustainability</i> , 2023, 2, .	0.9	0
605	Macroalgal polysaccharides: Biocatalysts in biofuel/bioenergy production. , 2023, , 227-273.		0
606	Bioethanol Production from Agricultural Biomass: Sources of Cellulose, Pretreatment Methods, and Future Prospects. , 2023, , 287-324.		0
607	An IVIF-Distance Measure and Relative Closeness Coefficient-Based Model for Assessing the Sustainable Development Barriers to Biofuel Enterprises in India. <i>Sustainability</i> , 2023, 15, 4354.	1.6	5
608	Sustainability assessment of palm oil mills effluent utilization for electricity conversion. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1151, 012038.	0.2	0
609	Gender vulnerabilities in low carbon energy transitions: a conceptual review. <i>Environmental Research Letters</i> , 2023, 18, 043004.	2.2	1
610	Effect of Drying Pretreatment on Cellulolytic Enzymatic Hydrolysis of Lignin from Napier Grass. <i>Processes</i> , 2023, 11, 1092.	1.3	2
611	Estimating Biomass Sources for a 10 MW Dendro Power Plant Using <i>Leucaena Leucocephala</i> Fuel Wood. , 2023, , .		0
612	Microalgae as a key tool in achieving carbon neutrality for bioproduct production. <i>Algal Research</i> , 2023, 72, 103096.	2.4	13
621	Comparisons between fossil fuels and bio-fuels. , 2023, , 67-85.		0
622	Economic, social and ecological impacts of bioenergy at local, national and global levels. , 2023, , 507-533.		0
625	A review of the thermochemistries of biomass gasification and utilisation of gas products. <i>Sustainable Energy and Fuels</i> , 2023, 7, 3505-3540.	2.5	1
626	Sustainable Development of Bioenergy and Its Impacts on Ecosystem. <i>Energy, Environment, and Sustainability</i> , 2023, , 25-44.	0.6	0
629	Sustainable design of water-energy-food nexus: a literature review. , 2023, 1, 1332-1353.		5
634	Harnessing Renewable Energy (Biofuels) Potentials through Bioenergy Simulation for Economic Electricity and Heat Generation and Reduction of Net Carbon Emissions in Gombe State, Nigeria.. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
644	Introduction to sustainability science in addressing energy security and achieving sustainable development goals. , 2024, , 1-14.		0
657	Sustainability and Sustainable Development in the Food Industry. , 2023, , 3251-3263.		0
658	Biotechnological Approaches for the Production of Bioenergy. , 2023, , 47-75.		0
670	Current Advances and Potentials of Nanotechnology for Biofuel Production. Green Energy and Technology, 2024, , 379-394.	0.4	0
672	Life cycle analyses and carbon footprint of bioplastics. , 2024, , 355-369.		0
673	Unintended use of bioplastic: carbon, land, and water footprints. , 2024, , 113-125.		0
674	Bioplastic for a clean environment. , 2024, , 47-76.		0
677	Biomass feedstock: A sustainable and renewable source of energy production. , 2024, , 1-34.		0
678	Challenges and future prospective of biomass conversion to various products. , 2024, , 485-500.		0
679	Bioenergy's role in the path to decarbonization. , 2024, , 3-26.		0
680	Global advances in bioenergy production technologies. , 2024, , 23-43.		0
681	Bioenergy: the environmentalistâ€™s perspectives. , 2024, , 97-113.		0
682	Role of biotechnology and processing in bioenergy. , 2024, , 45-64.		0