

Changlei Xia

List of Publications by Year in descending order

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146
papers

5,521
citations

61857

43
h-index

114278

63
g-index

146
all docs

146
docs citations

146
times ranked

4277
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in microwave pyrolysis conversion of agricultural waste to value-added biofuels: A batch to continuous approach. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110148.	8.2	206
2	Electrospun Core-Shell Nanofibrous Membranes with Nanocellulose-Stabilized Carbon Nanotubes for Use as High-Performance Flexible Supercapacitor Electrodes with Enhanced Water Resistance, Thermal Stability, and Mechanical Toughness. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44624-44635.	4.0	164
3	Soy protein isolate-based films reinforced by surface modified cellulose nanocrystal. <i>Industrial Crops and Products</i> , 2016, 80, 207-213.	2.5	161
4	Vacuum pyrolysis incorporating microwave heating and base mixture modification: An integrated approach to transform biowaste into eco-friendly bioenergy products. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109871.	8.2	140
5	Development of natural fiber-reinforced composite with comparable mechanical properties and reduced energy consumption and environmental impacts for replacing automotive glass-fiber sheet molding compound. <i>Journal of Cleaner Production</i> , 2018, 184, 92-100.	4.6	135
6	Towards artificial photosynthesis: Sustainable hydrogen utilization for photocatalytic reduction of CO ₂ to high-value renewable fuels. <i>Chemical Engineering Journal</i> , 2020, 402, 126184.	6.6	123
7	Facile biomimetic self-coacervation of tannic acid and polycation: Tough and wide pH range of underwater adhesives. <i>Chemical Engineering Journal</i> , 2021, 404, 127069.	6.6	113
8	Enzymatic conversion of pretreated lignocellulosic biomass: A review on influence of structural changes of lignin. <i>Bioresource Technology</i> , 2021, 324, 124631.	4.8	109
9	High capacity oil absorbent wood prepared through eco-friendly deep eutectic solvent delignification. <i>Chemical Engineering Journal</i> , 2020, 401, 126150.	6.6	93
10	Self-activation for activated carbon from biomass: theory and parameters. <i>Green Chemistry</i> , 2016, 18, 2063-2071.	4.6	87
11	Perovskite oxide-based photocatalysts for solar-driven hydrogen production: Progress and perspectives. <i>Solar Energy</i> , 2020, 211, 584-599.	2.9	84
12	Effect of overliming and activated carbon detoxification on inhibitors removal and butanol fermentation of poplar prehydrolysates. <i>Biotechnology for Biofuels</i> , 2018, 11, 178.	6.2	81
13	A review on the modeling and validation of biomass pyrolysis with a focus on product yield and composition. <i>Biofuel Research Journal</i> , 2021, 8, 1296-1315.	7.2	81
14	Mainstream avenues for boosting graphitic carbon nitride efficiency: towards enhanced solar light-driven photocatalytic hydrogen production and environmental remediation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10571-10603.	5.2	80
15	The emerging covalent organic frameworks (COFs) for solar-driven fuels production. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214117.	9.5	79
16	Photocatalytic NO _x abatement: Recent advances and emerging trends in the development of photocatalysts. <i>Journal of Cleaner Production</i> , 2020, 270, 121912.	4.6	78
17	Natural fiber and aluminum sheet hybrid composites for high electromagnetic interference shielding performance. <i>Composites Part B: Engineering</i> , 2017, 114, 121-127.	5.9	73
18	Tough, strong, and biodegradable composite film with excellent UV barrier performance comprising soy protein isolate, hyperbranched polyester, and cardanol derivative. <i>Green Chemistry</i> , 2019, 21, 3651-3665.	4.6	71

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19	Bio-based films with improved water resistance derived from soy protein isolate and stearic acid via bioconjugation. <i>Journal of Cleaner Production</i> , 2019, 214, 125-131.	4.6	69
20	Emerging cocatalysts in TiO ₂ -based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. <i>Fuel</i> , 2022, 307, 121745.	3.4	68
21	Vacuum-assisted resin infusion (VARI) and hot pressing for CaCO ₃ nanoparticle treated kenaf fiber reinforced composites. <i>Composites Part B: Engineering</i> , 2015, 78, 138-143.	5.9	65
22	Depolymerization and characterization of Acacia mangium tannin for the preparation of mussel-inspired fast-curing tannin-based phenolic resins. <i>Chemical Engineering Journal</i> , 2019, 370, 420-431.	6.6	65
23	TEMPO-oxidized cellulose nanofibers/polyacrylamide hybrid hydrogel with intrinsic self-recovery and shape memory properties. <i>Cellulose</i> , 2021, 28, 1469-1488.	2.4	65
24	Enhanced degradation of bisphenol A by mixed ZIF derived CoZn oxide encapsulated N-doped carbon via peroxydisulfate activation: The importance of N doping amount. <i>Journal of Hazardous Materials</i> , 2021, 419, 126363.	6.5	64
25	Improvement of water resistance, dimensional stability, and mechanical properties of poplar wood by rosin impregnation. <i>European Journal of Wood and Wood Products</i> , 2016, 74, 177-184.	1.3	63
26	Facile Fabrication of Self-Healable and Antibacterial Soy Protein-Based Films with High Mechanical Strength. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16107-16116.	4.0	60
27	High-pressure CO ₂ hydrothermal pretreatment of peanut shells for enzymatic hydrolysis conversion into glucose. <i>Chemical Engineering Journal</i> , 2020, 385, 123949.	6.6	60
28	Bioinspired design by gecko structure and mussel chemistry for bio-based adhesive system through incorporating natural fibers. <i>Journal of Cleaner Production</i> , 2019, 236, 117591.	4.6	58
29	Natural fiber composites with EMI shielding function fabricated using VARTM and Cu film magnetron sputtering. <i>Applied Surface Science</i> , 2016, 362, 335-340.	3.1	57
30	Dual-Network Nanocross-linking Strategy to Improve Bulk Mechanical and Water-Resistant Adhesion Properties of Biobased Wood Adhesives. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16430-16440.	3.2	57
31	Lignin Alkylation Enhances Enzymatic Hydrolysis of Lignocellulosic Biomass. <i>Energy & Fuels</i> , 2017, 31, 12317-12326.	2.5	56
32	Hybrid boron nitride-natural fiber composites for enhanced thermal conductivity. <i>Scientific Reports</i> , 2016, 6, 34726.	1.6	55
33	Property enhancement of soy protein isolate-based films by introducing POSS. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 168-173.	3.6	54
34	Bioinspired and biomineralized magnesium oxychloride cement with enhanced compressive strength and water resistance. <i>Journal of Hazardous Materials</i> , 2020, 383, 121099.	6.5	53
35	Hydrogen production and heavy metal immobilization using hyperaccumulators in supercritical water gasification. <i>Journal of Hazardous Materials</i> , 2021, 402, 123541.	6.5	53
36	Self-healable and biodegradable soy protein-based protective functional film with low cytotoxicity and high mechanical strength. <i>Chemical Engineering Journal</i> , 2021, 404, 126505.	6.6	52

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37	Piezoelectric PAN/BaTiO ₃ nanofiber membranes sensor for structural health monitoring of real-time damage detection in composite. <i>Composites Communications</i> , 2021, 25, 100680.	3.3	51
38	Application of intermittent ball milling to enzymatic hydrolysis for efficient conversion of lignocellulosic biomass into glucose. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 136, 110442.	8.2	49
39	In-Situ Chemosynthesis of ZnO Nanoparticles to Endow Wood with Antibacterial and UV-Resistance Properties. <i>Journal of Materials Science and Technology</i> , 2017, 33, 266-270.	5.6	48
40	Effect of ultrasonic pretreatment on chain elongation of saccharified residue from food waste by anaerobic fermentation. <i>Environmental Pollution</i> , 2021, 268, 115936.	3.7	48
41	Tetracycline removal in granulation: Influence of extracellular polymers substances, structure, and metabolic function of microbial community. <i>Chemosphere</i> , 2022, 288, 132510.	4.2	48
42	Processing high-performance woody materials by means of vacuum-assisted resin infusion technology. <i>Journal of Cleaner Production</i> , 2019, 241, 118340.	4.6	46
43	Utilization of decayed wood for polyvinyl chloride/wood flour composites. <i>Journal of Materials Research and Technology</i> , 2021, 12, 862-869.	2.6	46
44	Soy protein isolate-based films cross-linked by epoxidized soybean oil. <i>RSC Advances</i> , 2015, 5, 82765-82771.	1.7	45
45	Advanced textile technology for fabrication of ramie fiber PLA composites with enhanced mechanical properties. <i>Industrial Crops and Products</i> , 2021, 162, 113312.	2.5	45
46	Enhanced fracture toughness of ZrB ₂ @SiCw ceramics with graphene nano-platelets. <i>Ceramics International</i> , 2020, 46, 24906-24915.	2.3	43
47	Performance, combustion and emission analysis of castor oil biodiesel blends enriched with nanoadditives and hydrogen fuel using CI engine. <i>Fuel</i> , 2021, 306, 121541.	3.4	41
48	Three-dimensional carbon nanotubes for high capacity lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 299, 465-471.	4.0	40
49	Nacre-Inspired Strong and Multifunctional Soy Protein-Based Nanocomposite Materials for Easy Heat-Dissipative Mobile Phone Shell. <i>Nano Letters</i> , 2021, 21, 3254-3261.	4.5	39
50	Advanced nanocellulose-based gas barrier materials: Present status and prospects. <i>Chemosphere</i> , 2022, 286, 131891.	4.2	39
51	Enhancement of the combustion, performance and emission characteristics of spirulina microalgae biodiesel blends using nanoparticles. <i>Fuel</i> , 2022, 308, 121822.	3.4	39
52	Magnesium oxide-incorporated electrospun membranes inhibit bacterial infections and promote the healing process of infected wounds. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3727-3744.	2.9	39
53	Property enhancement of kenaf fiber reinforced composites by in situ aluminum hydroxide impregnation. <i>Industrial Crops and Products</i> , 2016, 79, 131-136.	2.5	38
54	Assessment of hydrogen and nanoparticles blended biodiesel on the diesel engine performance and emission characteristics. <i>Fuel</i> , 2022, 307, 121780.	3.4	38

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55	Property enhancement of kenaf fiber composites by means of vacuum-assisted resin transfer molding (VARTM). <i>Holzforschung</i> , 2015, 69, 307-312.	0.9	37
56	Progress in pyrolysis conversion of waste into value-added liquid pyro-oil, with focus on heating source and machine learning analysis. <i>Energy Conversion and Management</i> , 2021, 245, 114638.	4.4	37
57	Photo-responsive Azobenzene-dendron Monolayers. <i>Acta Agronomica Sinica(China)</i> , 2012, 29, 161.	0.1	37
58	Scalable Fabrication of Natural-Fiber Reinforced Composites with Electromagnetic Interference Shielding Properties by Incorporating Powdered Activated Carbon. <i>Materials</i> , 2016, 9, 10.	1.3	36
59	How does biochar aging affect NH ₃ volatilization and GHGs emissions from agricultural soils?. <i>Environmental Pollution</i> , 2022, 294, 118598.	3.7	36
60	Recent advances in asphaltene transformation in heavy oil hydroprocessing: Progress, challenges, and future perspectives. <i>Fuel Processing Technology</i> , 2021, 213, 106681.	3.7	35
61	Using nucleophilic naphthol derivatives to suppress biomass lignin repolymerization in fermentable sugar production. <i>Chemical Engineering Journal</i> , 2021, 420, 130258.	6.6	35
62	Bio-based composites fabricated from wood fibers through self-bonding technology. <i>Chemosphere</i> , 2022, 287, 132436.	4.2	35
63	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation. <i>Chemosphere</i> , 2022, 297, 134229.	4.2	35
64	Sodium alginate-assisted route to antimicrobial biopolymer film combined with aminoclay for enhanced mechanical behaviors. <i>Industrial Crops and Products</i> , 2019, 135, 271-282.	2.5	33
65	Water-resistant hemp fiber-reinforced composites: In-situ surface protection by polyethylene film. <i>Industrial Crops and Products</i> , 2018, 112, 210-216.	2.5	32
66	Soy meal adhesive with high strength and water resistance via carboxymethylated wood fiber-induced crosslinking. <i>Cellulose</i> , 2021, 28, 3569-3584.	2.4	32
67	Enhancement of mechanical and thermal properties of Poplar through the treatment of glyoxal-urea/nano-SiO ₂ . <i>RSC Advances</i> , 2015, 5, 54148-54155.	1.7	31
68	Phyto-mediated synthesis of nanoparticles and their applications on hydrogen generation on NaBH ₄ , biological activities and photodegradation on azo dyes: Development of machine learning model. <i>Food and Chemical Toxicology</i> , 2022, 163, 112972.	1.8	31
69	Controlling pore size of activated carbon through self-activation process for removing contaminants of different molecular sizes. <i>Journal of Colloid and Interface Science</i> , 2018, 518, 41-47.	5.0	30
70	Production of three-dimensional fiber needle-punching composites from denim waste for utilization as furniture materials. <i>Journal of Cleaner Production</i> , 2021, 281, 125321.	4.6	30
71	Comparative study of pyrolysis and hydrothermal liquefaction of microalgal species: Analysis of product yields with reaction temperature. <i>Fuel</i> , 2022, 311, 121932.	3.4	29
72	Integrated catalytic insights into methanol production: Sustainable framework for CO ₂ conversion. <i>Journal of Environmental Management</i> , 2021, 289, 112468.	3.8	28

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73	Role of ZnO and Fe ₂ O ₃ nanoparticle on synthetic saline wastewater on growth, nutrient removal and lipid content of <i>Chlorella vulgaris</i> for sustainable production of biofuel. <i>Fuel</i> , 2021, 300, 120924.	3.4	28
74	Pilot-scale co-processing of lignocellulosic biomass, algae, shellfish waste via thermochemical approach: Recent progress and future directions. <i>Bioresource Technology</i> , 2022, 347, 126687.	4.8	28
75	Performance, combustion and emission characteristics of the CI engine fueled with <i>Botryococcus braunii</i> microalgae with addition of TiO ₂ nanoparticle. <i>Fuel</i> , 2022, 317, 121898.	3.4	28
76	Development and evaluation of zinc oxide-blended kenaf fiber biocomposite for automotive applications. <i>Materials Today Communications</i> , 2020, 24, 101008.	0.9	27
77	High pressure-assisted magnesium carbonate impregnated natural fiber-reinforced composites. <i>Industrial Crops and Products</i> , 2016, 86, 16-22.	2.5	26
78	Dual-functional natural-fiber reinforced composites by incorporating magnetite. <i>Composites Part B: Engineering</i> , 2016, 93, 221-228.	5.9	26
79	Production of magnetic sodium alginate polyelectrolyte nanospheres for lead ions removal from wastewater. <i>Journal of Environmental Management</i> , 2021, 289, 112506.	3.8	26
80	Production of medium-chain fatty acid caproate from Chinese liquor distillers' grain using pit mud as the fermentation microbes. <i>Journal of Hazardous Materials</i> , 2021, 417, 126037.	6.5	26
81	Twisting in improving processing of waste-derived yarn into high-performance reinforced composite. <i>Journal of Cleaner Production</i> , 2021, 317, 128446.	4.6	25
82	In vitro and in vivo efficacy of green synthesized AgNPs against Gram negative and Gram positive bacterial pathogens. <i>Process Biochemistry</i> , 2022, 112, 241-247.	1.8	25
83	Effect of Fenton Pretreatment on C1 and C6 Oxidation of Cellulose and its Enzymatic Hydrolyzability. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 7071-7079.	3.2	24
84	Egg shell catalyst and chicken waste biodiesel blends for improved performance, combustion and emission characteristics. <i>Fuel</i> , 2021, 306, 121633.	3.4	24
85	Metal-organic-framework based catalyst for hydrogen production: Progress and perspectives. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37552-37568.	3.8	24
86	Increasing inorganic nanoparticle impregnation efficiency by external pressure for natural fibers. <i>Industrial Crops and Products</i> , 2015, 69, 395-399.	2.5	23
87	Harnessing electrospun nanofibers to recapitulate hierarchical fibrous structures of meniscus. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 201-213.	1.6	23
88	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. <i>Applied Materials Today</i> , 2021, 24, 101074.	2.3	23
89	Electron microscopy study of ZrB ₂ -SiC/AlN composites: Hot-pressing vs. pressureless sintering. <i>Ceramics International</i> , 2020, 46, 29334-29338.	2.3	22
90	The potential of <i>Pinus armandii</i> Franch for high-grade resource utilization. <i>Biomass and Bioenergy</i> , 2022, 158, 106345.	2.9	22

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91	Machine learning based predictive modelling of micro gas turbine engine fuelled with microalgae blends on using LSTM networks: An experimental approach. <i>Fuel</i> , 2022, 322, 124183.	3.4	22
92	Recent progress in Biomass-derived nanoelectrocatalysts for the sustainable energy development. <i>Fuel</i> , 2022, 323, 124349.	3.4	22
93	Phase transitions of carbon-encapsulated iron oxide nanoparticles during the carbonization of cellulose at various pyrolysis temperatures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 115, 1-6.	2.6	21
94	Photocatalytic degradation of surface-coated tourmaline-titanium dioxide for self-cleaning of formaldehyde emitted from furniture. <i>Journal of Hazardous Materials</i> , 2021, 420, 126565.	6.5	21
95	Novel Low-Temperature Chemical Vapor Deposition of Hydrothermal Delignified Wood for Hydrophobic Property. <i>Polymers</i> , 2020, 12, 1757.	2.0	20
96	Synthesis of ultra-high strength structured material from steam-modified delignification of wood. <i>Journal of Cleaner Production</i> , 2022, 351, 131531.	4.6	19
97	Thiol-branched graphene oxide and polydopamine-induced nanofibrillated cellulose to strengthen protein-based nanocomposite films. <i>Cellulose</i> , 2019, 26, 7223-7236.	2.4	18
98	Hollow Mesoporous Microspheres Coating for Super-Hydrophobicity Wood with High Thermostability and Abrasion Performance. <i>Polymers</i> , 2020, 12, 2856.	2.0	18
99	Nanofiber sheathed structure for enhancing interfacial properties of basalt fiber-reinforced composites. <i>Composites Communications</i> , 2021, 23, 100589.	3.3	18
100	Urea Formaldehyde Resin Resultant Plywood with Rapid Formaldehyde Release Modified by Tunnel-Structured Sepiolite. <i>Polymers</i> , 2019, 11, 1286.	2.0	17
101	Design and build an elastic crosslinked network to strengthen and toughen soybean-meal based bioadhesive using organo-sepiolite and greener crosslinker triglycidylamine. <i>Polymer Testing</i> , 2020, 89, 106648.	2.3	17
102	Effect of microwave/hydrothermal combined ionic liquid pretreatment on straw: Rumen anaerobic fermentation and enzyme hydrolysis. <i>Environmental Research</i> , 2022, 205, 112453.	3.7	17
103	Effects of waste-based pyrolysis as heating source: Meta-analyze of char yield and machine learning analysis. <i>Fuel</i> , 2022, 318, 123578.	3.4	17
104	Pine Wood Extracted Activated Carbon through Self-Activation Process for High-Performance Lithium-Ion Battery. <i>ChemistrySelect</i> , 2016, 1, 4000-4007.	0.7	16
105	An assessment of agricultural waste cellulosic biofuel for improved combustion and emission characteristics. <i>Science of the Total Environment</i> , 2022, 813, 152418.	3.9	16
106	Evaluation performance of soybean meal and peanut meal blends-based wood adhesive. <i>Polymer Testing</i> , 2022, 109, 107543.	2.3	16
107	Is engineered wood China's way to carbon neutrality?. <i>Journal of Bioresources and Bioproducts</i> , 2022, 7, 83-84.	11.8	16
108	Ban unsustainable mink production. <i>Science</i> , 2020, 370, 539-539.	6.0	15

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109	PM emissions - assessment of combustion energy transfer with <i>Schizochytrium</i> sp. algal biodiesel and blends in IC engine. <i>Science of the Total Environment</i> , 2022, 802, 149750.	3.9	15
110	Combined effect of CO ₂ concentration and low-cost urea repletion/starvation in <i>Chlorella vulgaris</i> for ameliorating growth metrics, total and non-polar lipid accumulation and fatty acid composition. <i>Science of the Total Environment</i> , 2022, 808, 151969.	3.9	15
111	Advanced catalysts and effect of operating parameters in ethanol dry reforming for hydrogen generation. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1695-1718.	8.3	15
112	Medium-chain fatty acid production from Chinese liquor brewing yellow water by electro-fermentation: Division of fermentation process and segmented electrical stimulation. <i>Bioresource Technology</i> , 2022, 360, 127510.	4.8	15
113	Blending and emission characteristics of biogasoline produced using CaO/SBA-15 catalyst by cracking used cooking oil. <i>Fuel</i> , 2022, 307, 121861.	3.4	14
114	Phenol removal via activated carbon from co-pyrolysis of waste coal tar pitch and vinasse. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 64-71.	1.2	14
115	Microwave assisted biodiesel production from chicken feather meal oil using Bio-Nano Calcium oxide derived from chicken egg shell. <i>Environmental Research</i> , 2022, 205, 112509.	3.7	14
116	A mussel-inspired strategy toward antimicrobial and bacterially anti-adhesive soy protein surface. <i>Polymer Composites</i> , 2020, 41, 633-644.	2.3	13
117	Surface colour and chemical changes of furfurylated poplar wood and bamboo due to artificial weathering. <i>Wood Material Science and Engineering</i> , 2022, 17, 168-175.	1.1	13
118	Using low carbon footprint high-pressure carbon dioxide in bioconversion of aspen branch waste for sustainable bioethanol production. <i>Bioresource Technology</i> , 2020, 313, 123675.	4.8	13
119	Bamboo grid versus polyvinyl chloride as packing material in cooling tower: Energy efficiency and environmental impact assessment. <i>Journal of Environmental Management</i> , 2021, 286, 112190.	3.8	13
120	Tough thermosensitive hydrogel with excellent adhesion to low-energy surface developed via nanoparticle-induced dynamic crosslinking. <i>Applied Surface Science</i> , 2021, 560, 149935.	3.1	13
121	Hyperbranched Eupon dendritic macromolecules as unimolecular hosts for controlled release. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4013-4019.	2.5	12
122	Numerical modelling of the premixed compression ignition engine for superior combustion and emission characteristics. <i>Fuel</i> , 2021, 306, 121540.	3.4	10
123	High strength composites of carbon fiber sheets-veneers sandwich-structure for electromagnetic interference shielding materials. <i>Progress in Organic Coatings</i> , 2022, 165, 106736.	1.9	10
124	Effects of ethanol addition on caproic acid production and rumen microorganism community structure from straw fermentation. <i>Fuel</i> , 2022, 327, 125142.	3.4	10
125	Role of soluble nano-catalyst and blends for improved combustion performance and reduced greenhouse gas emissions in internal combustion engines. <i>Fuel</i> , 2022, 312, 122826.	3.4	9
126	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications. <i>Bioengineered</i> , 2022, 13, 10518-10539.	1.4	9

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127	Cobalt ferrite/cellulose membrane inserted catalytic syringe filter for facile in-situ filtration/degradation of emerging organic pollutants in water via activating peroxymonosulfate. <i>Materials and Design</i> , 2022, 220, 110817.	3.3	9
128	Cellulose-based thermosensitive supramolecular hydrogel for phenol removal from polluted water. <i>Environmental Research</i> , 2022, 214, 113863.	3.7	9
129	Eco-friendly soy protein isolate-based films strengthened by water-soluble glycerin epoxy resin. <i>Progress in Organic Coatings</i> , 2022, 162, 106566.	1.9	8
130	Role of injection pressure on fuel atomization and spray penetration on the <i>Thevetia peruviana</i> and <i>Jatropha curcas</i> biodiesel blends with nanoparticle. <i>Fuel</i> , 2022, 324, 124527.	3.4	8
131	MgO-incorporated porous nanofibrous scaffold promotes osteogenic differentiation of pre-osteoblasts. <i>Materials Letters</i> , 2021, 299, 130098.	1.3	7
132	Enzymatic lipase-based methyl esterified <i>Citrullus colocynthis</i> L. biodiesel for improved combustion, performance and emission characteristics. <i>Fuel</i> , 2022, 307, 121899.	3.4	7
133	Modification of Soy-based Adhesives to Enhance the Bonding Performance. , 2017, , 86-110.		6
134	Fabrication of activated carbon using two-step co-pyrolysis of used rubber and larch sawdust. <i>BioResources</i> , 2017, 12, 8641-8652.	0.5	6
135	Comparison of cracking activity of the core-shell composite MCM-41/HY & MCM-48/HY catalysts in the synthesis of organic liquid fuel from Mahua oil. <i>Environmental Research</i> , 2022, 205, 112474.	3.7	6
136	Being applied at rice or wheat season impacts biochar's effect on gaseous nitrogen pollutants from the wheat growth cycle. <i>Environmental Pollution</i> , 2022, 306, 119409.	3.7	6
137	Ancient oaks of Europe are archives " protect them. <i>Nature</i> , 2021, 594, 495-495.	13.7	5
138	Preparation and Properties of Wood Plastic Composites with Desirable Features Using Poplar and Five Recyclable Plastic Wastes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6838.	1.3	5
139	The influence of 3-hydroxy-2-naphthoic acid on agricultural wastes extracted sugar production used as energy sources. <i>Fuel</i> , 2022, 323, 124235.	3.4	5
140	Seize China's momentum to protect pangolins. <i>Science</i> , 2021, 371, 1214-1214.	6.0	4
141	Microwave induced construction of multiple networks for multifunctional soy protein-based materials. <i>Progress in Organic Coatings</i> , 2021, 158, 106390.	1.9	4
142	Thermal and flame-retardant properties of multilayered composites prepared through novel multilayering approach. <i>Environmental Research</i> , 2022, 213, 113724.	3.7	4
143	Characterization of Cellulose Nanocrystal Suspension Rheological Properties Using a Rotational Viscometer. <i>Forest Products Journal</i> , 2021, 71, 290-297.	0.2	2
144	Feasibility of microalgal and macroalgal biomass co-digestion on biomethane production. <i>International Journal of Hydrogen Energy</i> , 2022, , .	3.8	2

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145	Dual-Network Nanocross-linking Strategy to Improve Bulk Mechanical and Water-Resistant Adhesion Properties of Biobased Wood Adhesives. ACS Sustainable Chemistry and Engineering, 2020, 8, 16430-16440.	3.2	1
146	Irrawaddy dolphins continue to decline. Science, 2022, 376, 810-810.	6.0	1