

# Changlei Xia

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140 papers	2,612 citations	32 h-index	43 g-index
146 ext. papers	4,137 ext. citations	8.7 avg, IF	5.91 L-index

#	Paper	IF	Citations
140	In vitro and in vivo efficacy of green synthesized AgNPs against Gram negative and Gram positive bacterial pathogens. <i>Process Biochemistry</i> , <b>2022</b> , 112, 241-247	4.8	4
139	The potential of Pinus armandii Franch for high-grade resource utilization. <i>Biomass and Bioenergy</i> , <b>2022</b> , 158, 106345	5.3	1
138	Pilot-scale co-processing of lignocellulosic biomass, algae, shellfish waste via thermochemical approach: Recent progress and future directions.. <i>Bioresource Technology</i> , <b>2022</b> , 347, 126687	11	1
137	High strength composites of carbon fiber sheets-veneers sandwich-structure for electromagnetic interference shielding materials. <i>Progress in Organic Coatings</i> , <b>2022</b> , 165, 106736	4.8	0
136	Role of soluble nano-catalyst and blends for improved combustion performance and reduced greenhouse gas emissions in internal combustion engines. <i>Fuel</i> , <b>2022</b> , 312, 122826	7.1	1
135	Comparative study of pyrolysis and hydrothermal liquefaction of microalgal species: Analysis of product yields with reaction temperature. <i>Fuel</i> , <b>2022</b> , 311, 121932	7.1	2
134	Bio-based composites fabricated from wood fibers through self-bonding technology. <i>Chemosphere</i> , <b>2022</b> , 287, 132436	8.4	3
133	Eco-friendly soy protein isolate-based films strengthened by water-soluble glycerin epoxy resin. <i>Progress in Organic Coatings</i> , <b>2022</b> , 162, 106566	4.8	3
132	Enzymatic lipase-based methyl esterified Citrullus colocynthis L. biodiesel for improved combustion, performance and emission characteristics. <i>Fuel</i> , <b>2022</b> , 307, 121899	7.1	5
131	Advanced nanocellulose-based gas barrier materials: Present status and prospects. <i>Chemosphere</i> , <b>2022</b> , 286, 131891	8.4	9
130	Enhancement of the combustion, performance and emission characteristics of spirulina microalgae biodiesel blends using nanoparticles. <i>Fuel</i> , <b>2022</b> , 308, 121822	7.1	7
129	Blending and emission characteristics of biogasoline produced using CaO/SBA-15 catalyst by cracking used cooking oil. <i>Fuel</i> , <b>2022</b> , 307, 121861	7.1	5
128	Assessment of hydrogen and nanoparticles blended biodiesel on the diesel engine performance and emission characteristics. <i>Fuel</i> , <b>2022</b> , 307, 121780	7.1	6
127	Emerging cocatalysts in TiO <sub>2</sub> -based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. <i>Fuel</i> , <b>2022</b> , 307, 121745	7.1	11
126	PM emissions - assessment of combustion energy transfer with Schizochytrium sp. algal biodiesel and blends in IC engine. <i>Science of the Total Environment</i> , <b>2022</b> , 802, 149750	10.2	3
125	Evaluation performance of soybean meal and peanut meal blends-based wood adhesive. <i>Polymer Testing</i> , <b>2022</b> , 109, 107543	4.5	0
124	Phyto-mediated synthesis of nanoparticles and their applications on hydrogen generation on NaBH <sub>4</sub> , biological activities and photodegradation on azo dyes: Development of machine learning model.. <i>Food and Chemical Toxicology</i> , <b>2022</b> , 163, 112972	4.7	0

123	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation.. <i>Chemosphere</i> , <b>2022</b> , 134229	8.4	2
122	Synthesis of ultra-high strength structured material from steam-modified delignification of wood. <i>Journal of Cleaner Production</i> , <b>2022</b> , 351, 131531	10.3	1
121	Effects of waste-based pyrolysis as heating source: Meta-analyze of char yield and machine learning analysis. <i>Fuel</i> , <b>2022</b> , 318, 123578	7.1	2
120	Performance, combustion and emission characteristics of the CI engine fueled with <i>Botryococcus braunii</i> microalgae with addition of TiO <sub>2</sub> nanoparticle. <i>Fuel</i> , <b>2022</b> , 317, 121898	7.1	2
119	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications.. <i>Bioengineered</i> , <b>2022</b> , 13, 10518-10539	5.7	1
118	Machine learning based predictive modelling of micro gas turbine engine fuelled with microalgae blends on using LSTM networks: An experimental approach. <i>Fuel</i> , <b>2022</b> , 322, 124183	7.1	1
117	Being applied at rice or wheat season impacts biochar's effect on gaseous nitrogen pollutants from the wheat growth cycle.. <i>Environmental Pollution</i> , <b>2022</b> , 306, 119409	9.3	2
116	Recent progress in Biomass-derived nanoelectrocatalysts for the sustainable energy development. <i>Fuel</i> , <b>2022</b> , 323, 124349	7.1	1
115	The influence of 3-hydroxy-2-naphthoic acid on agricultural wastes extracted sugar production used as energy sources. <i>Fuel</i> , <b>2022</b> , 323, 124235	7.1	0
114	Irrawaddy dolphins continue to decline.. <i>Science</i> , <b>2022</b> , 376, 810	33.3	0
113	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> , <b>2022</b> , 324, 124527	7.1	1
112	Is engineered wood China's way to carbon neutrality?. <i>Journal of Bioresources and Bioproducts</i> , <b>2022</b> , 7, 83-84	18.7	2
111	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> , <b>2022</b> , 110817	8.1	0
110	How does biochar aging affect NH volatilization and GHGs emissions from agricultural soils?. <i>Environmental Pollution</i> , <b>2021</b> , 294, 118598	9.3	7
109	Effect of microwave/hydrothermal combined ionic liquid pretreatment on straw: Rumen anaerobic fermentation and enzyme hydrolysis. <i>Environmental Research</i> , <b>2021</b> , 112453	7.9	2
108	Combined effect of CO 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> , <b>2021</b> , 808, 151969	10.2	4
107	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> , <b>2021</b> , 112474	7.9	0
106	An assessment of agricultural waste cellulosic biofuel for improved combustion and emission characteristics.. <i>Science of the Total Environment</i> , <b>2021</b> , 813, 152418	10.2	3

105	Microwave assisted biodiesel production from chicken feather meal oil using Bio-Nano Calcium oxide derived from chicken egg shell. <i>Environmental Research</i> , <b>2021</b> , 112509	7.9	3
104	Tetracycline removal in granulation: Influence of extracellular polymers substances, structure, and metabolic function of microbial community. <i>Chemosphere</i> , <b>2021</b> , 288, 132510	8.4	9
103	Seize China's momentum to protect pangolins. <i>Science</i> , <b>2021</b> , 371, 1214	33.3	4
102	Enzymatic conversion of pretreated lignocellulosic biomass: A review on influence of structural changes of lignin. <i>Bioresource Technology</i> , <b>2021</b> , 324, 124631	11	47
101	A review on the modeling and validation of biomass pyrolysis with a focus on product yield and composition. <i>Biofuel Research Journal</i> , <b>2021</b> , 8, 1296-1315	13.9	44
100	Nacre-Inspired Strong and Multifunctional Soy Protein-Based Nanocomposite Materials for Easy Heat-Dissipative Mobile Phone Shell. <i>Nano Letters</i> , <b>2021</b> , 21, 3254-3261	11.5	11
99	Advanced textile technology for fabrication of ramie fiber PLA composites with enhanced mechanical properties. <i>Industrial Crops and Products</i> , <b>2021</b> , 162, 113312	5.9	20
98	Utilization of decayed wood for polyvinyl chloride/wood flour composites. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 12, 862-869	5.5	8
97	Characterization of Cellulose Nanocrystal Suspension Rheological Properties Using a Rotational Viscometer. <i>Forest Products Journal</i> , <b>2021</b> , 71, 290-297	0.6	0
96	Bamboo grid versus polyvinyl chloride as packing material in cooling tower: Energy efficiency and environmental impact assessment. <i>Journal of Environmental Management</i> , <b>2021</b> , 286, 112190	7.9	5
95	Piezoelectric PAN/BaTiO <sub>3</sub> nanofiber membranes sensor for structural health monitoring of real-time damage detection in composite. <i>Composites Communications</i> , <b>2021</b> , 25, 100680	6.7	21
94	Ancient oaks of Europe are archives - protect them. <i>Nature</i> , <b>2021</b> , 594, 495	50.4	3
93	Integrated catalytic insights into methanol production: Sustainable framework for CO conversion. <i>Journal of Environmental Management</i> , <b>2021</b> , 289, 112468	7.9	13
92	Self-healable and biodegradable soy protein-based protective functional film with low cytotoxicity and high mechanical strength. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 126505	14.7	22
91	Harnessing electrospun nanofibers to recapitulate hierarchical fibrous structures of meniscus. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2021</b> , 109, 201-213	3.5	9
90	Progress in microwave pyrolysis conversion of agricultural waste to value-added biofuels: A batch to continuous approach. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 135, 110148	16.2	96
89	Facile biomimetic self-coacervation of tannic acid and polycation: Tough and wide pH range of underwater adhesives. <i>Chemical Engineering Journal</i> , <b>2021</b> , 404, 127069	14.7	49
88	Hydrogen production and heavy metal immobilization using hyperaccumulators in supercritical water gasification. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123541	12.8	21

87	Recent advances in asphaltene transformation in heavy oil hydroprocessing: Progress, challenges, and future perspectives. <i>Fuel Processing Technology</i> , <b>2021</b> , 213, 106681	7.2	8
86	Production of three-dimensional fiber needle-punching composites from denim waste for utilization as furniture materials. <i>Journal of Cleaner Production</i> , <b>2021</b> , 281, 125321	10.3	10
85	Application of intermittent ball milling to enzymatic hydrolysis for efficient conversion of lignocellulosic biomass into glucose. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 136, 110442	16.2	20
84	Effect of ultrasonic pretreatment on chain elongation of saccharified residue from food waste by anaerobic fermentation. <i>Environmental Pollution</i> , <b>2021</b> , 268, 115936	9.3	21
83	Nanofiber-reinforced structure for enhancing interfacial properties of basalt fiber-reinforced composites. <i>Composites Communications</i> , <b>2021</b> , 23, 100589	6.7	7
82	Soy meal adhesive with high strength and water resistance via carboxymethylated wood fiber-induced crosslinking. <i>Cellulose</i> , <b>2021</b> , 28, 3569-3584	5.5	11
81	Production of magnetic sodium alginate polyelectrolyte nanospheres for lead ions removal from wastewater. <i>Journal of Environmental Management</i> , <b>2021</b> , 289, 112506	7.9	14
80	Preparation and Properties of Wood Plastic Composites with Desirable Features Using Poplar and Five Recyclable Plastic Wastes. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 6838	2.6	1
79	Tough thermosensitive hydrogel with excellent adhesion to low-energy surface developed via nanoparticle-induced dynamic crosslinking. <i>Applied Surface Science</i> , <b>2021</b> , 560, 149935	6.7	6
78	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> , <b>2021</b> , 417, 126037	12.8	7
77	Advances and recent trends in cobalt-based cocatalysts for solar-to-fuel conversion. <i>Applied Materials Today</i> , <b>2021</b> , 24, 101074	6.6	11
76	Using nucleophilic naphthol derivatives to suppress biomass lignin repolymerization in fermentable sugar production. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 130258	14.7	11
75	Role of ZnO and Fe <sub>2</sub> O <sub>3</sub> 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> , <b>2021</b> , 300, 120924	7.1	9
74	Microwave induced construction of multiple networks for multifunctional soy protein-based materials. <i>Progress in Organic Coatings</i> , <b>2021</b> , 158, 106390	4.8	2
73	MgO-incorporated porous nanofibrous scaffold promotes osteogenic differentiation of pre-osteoblasts. <i>Materials Letters</i> , <b>2021</b> , 299, 130098	3.3	3
72	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> , <b>2021</b> , 419, 126363	12.8	18
71	Photocatalytic degradation of surface-coated tourmaline-titanium dioxide for self-cleaning of formaldehyde emitted from furniture. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 420, 126565	12.8	5
70	Twisting in improving processing of waste-derived yarn into high-performance reinforced composite. <i>Journal of Cleaner Production</i> , <b>2021</b> , 317, 128446	10.3	5

69	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> , <b>2021</b> , 245, 114638	10.6	5
68	The emerging covalent organic frameworks (COFs) for solar-driven fuels production. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 446, 214117	23.2	23
67	Egg shell catalyst and chicken waste biodiesel blends for improved performance, combustion and emission characteristics. <i>Fuel</i> , <b>2021</b> , 306, 121633	7.1	6
66	Numerical modelling of the premixed compression ignition engine for superior combustion and emission characteristics. <i>Fuel</i> , <b>2021</b> , 306, 121540	7.1	3
65	Performance, combustion and emission analysis of castor oil biodiesel blends enriched with nanoadditives and hydrogen fuel using CI engine. <i>Fuel</i> , <b>2021</b> , 306, 121541	7.1	7
64	Magnesium oxide-incorporated electrospun membranes inhibit bacterial infections and promote the healing process of infected wounds. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 3727-3744	7.3	9
63	Phenol removal via activated carbon from co-pyrolysis of waste coal tar pitch and vinasse. <i>Korean Journal of Chemical Engineering</i> , <b>2021</b> , 38, 64-71	2.8	4
62	TEMPO-oxidized cellulose nanofibers/polyacrylamide hybrid hydrogel with intrinsic self-recovery and shape memory properties. <i>Cellulose</i> , <b>2021</b> , 28, 1469-1488	5.5	25
61	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> , <b>2020</b> , 89, 106648	4.5	5
60	Using low carbon footprint high-pressure carbon dioxide in bioconversion of aspen branch waste for sustainable bioethanol production. <i>Bioresource Technology</i> , <b>2020</b> , 313, 123675	11	8
59	Photocatalytic NO <sub>x</sub> abatement: Recent advances and emerging trends in the development of photocatalysts. <i>Journal of Cleaner Production</i> , <b>2020</b> , 270, 121912	10.3	36
58	Towards artificial photosynthesis: Sustainable hydrogen utilization for photocatalytic reduction of CO <sub>2</sub> to high-value renewable fuels. <i>Chemical Engineering Journal</i> , <b>2020</b> , 402, 126184	14.7	55
57	High capacity oil absorbent wood prepared through eco-friendly deep eutectic solvent delignification. <i>Chemical Engineering Journal</i> , <b>2020</b> , 401, 126150	14.7	40
56	Enhanced fracture toughness of ZrB <sub>2</sub> /SiCw ceramics with graphene nano-platelets. <i>Ceramics International</i> , <b>2020</b> , 46, 24906-24915	5.1	32
55	Development and evaluation of zinc oxide-blended kenaf fiber biocomposite for automotive applications. <i>Materials Today Communications</i> , <b>2020</b> , 24, 101008	2.5	16
54	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> , <b>2020</b> , 8, 10571-10603	13	38
53	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> , <b>2020</b> , 127, 109871	16.2	70
52	A mussel-inspired strategy toward antimicrobial and bacterially anti-adhesive soy protein surface. <i>Polymer Composites</i> , <b>2020</b> , 41, 633-644	3	5



51	High-pressure CO <sub>2</sub> hydrothermal pretreatment of peanut shells for enzymatic hydrolysis conversion into glucose. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123949	14.7	33
50	Surface colour and chemical changes of furfurylated poplar wood and bamboo due to artificial weathering. <i>Wood Material Science and Engineering</i> , <b>2020</b> , 1-8	1.9	6
49	Hollow Mesoporous Microspheres Coating for Super-Hydrophobicity Wood with High Thermostability and Abrasion Performance. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
48	Electron microscopy study of ZrB <sub>2</sub> BiC <sub>0.5</sub> AlN composites: Hot-pressing vs. pressureless sintering. <i>Ceramics International</i> , <b>2020</b> , 46, 29334-29338	5.1	16
47	Novel Low-Temperature Chemical Vapor Deposition of Hydrothermal Delignified Wood for Hydrophobic Property. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
46	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> , <b>2020</b> , 8, 16430-16440	8.3	20
45	Ban unsustainable mink production. <i>Science</i> , <b>2020</b> , 370, 539	33.3	13
44	Perovskite oxide-based photocatalysts for solar-driven hydrogen production: Progress and perspectives. <i>Solar Energy</i> , <b>2020</b> , 211, 584-599	6.8	35
43	Bioinspired and biomineralized magnesium oxychloride cement with enhanced compressive strength and water resistance. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121099	12.8	28
42	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> , <b>2020</b> , 8, 16430-16440	8.3	1
41	Processing high-performance woody materials by means of vacuum-assisted resin infusion technology. <i>Journal of Cleaner Production</i> , <b>2019</b> , 241, 118340	10.3	25
40	Sodium alginate-assisted route to antimicrobial biopolymer film combined with aminoclay for enhanced mechanical behaviors. <i>Industrial Crops and Products</i> , <b>2019</b> , 135, 271-282	5.9	19
39	Tough, strong, and biodegradable composite film with excellent UV barrier performance comprising soy protein isolate, hyperbranched polyester, and cardanol derivative. <i>Green Chemistry</i> , <b>2019</b> , 21, 3651-3665	10	37
38	Effect of Fenton Pretreatment on C1 and C6 Oxidation of Cellulose and its Enzymatic Hydrolyzability. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7071-7079	8.3	17
37	Facile Fabrication of Self-Healable and Antibacterial Soy Protein-Based Films with High Mechanical Strength. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16107-16116	9.5	39
36	Depolymerization and characterization of Acacia mangium tannin for the preparation of mussel-inspired fast-curing tannin-based phenolic resins. <i>Chemical Engineering Journal</i> , <b>2019</b> , 370, 420-431	14.7	34
35	Urea Formaldehyde Resin Resultant Plywood with Rapid Formaldehyde Release Modified by Tunnel-Structured Sepiolite. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
34	Bioinspired design by gecko structure and mussel chemistry for bio-based adhesive system through incorporating natural fibers. <i>Journal of Cleaner Production</i> , <b>2019</b> , 236, 117591	10.3	30

33	Thiol-branched graphene oxide and polydopamine-induced nanofibrillated cellulose to strengthen protein-based nanocomposite films. <i>Cellulose</i> , <b>2019</b> , 26, 7223-7236	5.5	7
32	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 &amp; Interfaces</i> , <b>2019</b> , 11, 44624-44635	9.5	99
31	Bio-based films with improved water resistance derived from soy protein isolate and stearic acid via bioconjugation. <i>Journal of Cleaner Production</i> , <b>2019</b> , 214, 125-131	10.3	40
30	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> , <b>2018</b> , 184, 92-100	10.3	100
29	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> , <b>2018</b> , 518, 41-47	9.3	19
28	Effect of overliming and activated carbon detoxification on inhibitors removal and butanol fermentation of poplar prehydrolysates. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 178	7.8	58
27	Water-resistant hemp fiber-reinforced composites: In-situ surface protection by polyethylene film. <i>Industrial Crops and Products</i> , <b>2018</b> , 112, 210-216	5.9	20
26	In-Situ Chemosynthesis of ZnO Nanoparticles to Endow Wood with Antibacterial and UV-Resistance Properties. <i>Journal of Materials Science and Technology</i> , <b>2017</b> , 33, 266-270	9.1	31
25	Natural fiber and aluminum sheet hybrid composites for high electromagnetic interference shielding performance. <i>Composites Part B: Engineering</i> , <b>2017</b> , 114, 121-127	10	54
24	Lignin Alkylation Enhances Enzymatic Hydrolysis of Lignocellulosic Biomass. <i>Energy &amp; Fuels</i> , <b>2017</b> , 31, 12317-12326	4.1	42
23	Modification of Soy-based Adhesives to Enhance the Bonding Performance <b>2017</b> , 86-110		5
22	Fabrication of activated carbon using two-step co-pyrolysis of used rubber and larch sawdust. <i>BioResources</i> , <b>2017</b> , 12, 8641-8652	1.3	3
21	Pine Wood Extracted Activated Carbon through Self-Activation Process for High-Performance Lithium-Ion Battery. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4000-4007	1.8	8
20	Hybrid boron nitride-natural fiber composites for enhanced thermal conductivity. <i>Scientific Reports</i> , <b>2016</b> , 6, 34726	4.9	44
19	Property enhancement of soy protein isolate-based films by introducing POSS. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 82, 168-73	7.9	45
18	Property enhancement of kenaf fiber reinforced composites by in situ aluminum hydroxide impregnation. <i>Industrial Crops and Products</i> , <b>2016</b> , 79, 131-136	5.9	33
17	Soy protein isolate-based films reinforced by surface modified cellulose nanocrystal. <i>Industrial Crops and Products</i> , <b>2016</b> , 80, 207-213	5.9	125
16	High pressure-assisted magnesium carbonate impregnated natural fiber-reinforced composites. <i>Industrial Crops and Products</i> , <b>2016</b> , 86, 16-22	5.9	23



15	Dual-functional natural-fiber reinforced composites by incorporating magnetite. <i>Composites Part B: Engineering</i> , <b>2016</b> , 93, 221-228	10	22
14	Improvement of water resistance, dimensional stability, and mechanical properties of poplar wood by rosin impregnation. <i>European Journal of Wood and Wood Products</i> , <b>2016</b> , 74, 177-184	2.1	38
13	Natural fiber composites with EMI shielding function fabricated using VARTM and Cu film magnetron sputtering. <i>Applied Surface Science</i> , <b>2016</b> , 362, 335-340	6.7	43
12	Self-activation for activated carbon from biomass: theory and parameters. <i>Green Chemistry</i> , <b>2016</b> , 18, 2063-2071	10	60
11	Property enhancement of kenaf fiber composites by means of vacuum-assisted resin transfer molding (VARTM). <i>Holzforschung</i> , <b>2015</b> , 69, 307-312	2	32
10	Enhancement of mechanical and thermal properties of Poplar through the treatment of glyoxal-urea/nano-SiO <sub>2</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 54148-54155	3.7	23
9	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> , <b>2015</b> , 115, 1-6	6	15
8	Vacuum-assisted resin infusion (VARI) and hot pressing for CaCO <sub>3</sub> nanoparticle treated kenaf fiber reinforced composites. <i>Composites Part B: Engineering</i> , <b>2015</b> , 78, 138-143	10	52
7	Increasing inorganic nanoparticle impregnation efficiency by external pressure for natural fibers. <i>Industrial Crops and Products</i> , <b>2015</b> , 69, 395-399	5.9	20
6	Three-dimensional carbon nanotubes for high capacity lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 299, 465-471	8.9	35
5	Soy protein isolate-based films cross-linked by epoxidized soybean oil. <i>RSC Advances</i> , <b>2015</b> , 5, 82765-82774	3.7	37
4	Scalable Fabrication of Natural-Fiber Reinforced Composites with Electromagnetic Interference Shielding Properties by Incorporating Powdered Activated Carbon. <i>Materials</i> , <b>2015</b> , 9,	3.5	24
3	Photo-responsive Azobenzene-dendron Monolayers. <i>Acta Agronomica Sinica(China)</i> , <b>2012</b> , 29, 161	1.4	35
2	Hyperbranched-upon-dendritic macromolecules as unimolecular hosts for controlled release. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 4013-4019	2.5	12
1	Advanced catalysts and effect of operating parameters in ethanol dry reforming for hydrogen generation. A review. <i>Environmental Chemistry Letters</i> , 1	13.3	1