

Chunde Jin

List of Publications by Year in descending order

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65
papers

2,299
citations

218677

26
h-index

223800

46
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67
all docs

67
docs citations

67
times ranked

3120
citing authors

#	ARTICLE	IF	CITATIONS
1	A wood-derived polypyrrole composite as a photothermal conversion device for solar evaporation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20706-20712.	10.3	189
2	Fabrication of cellulose-based aerogels from waste newspaper without any pretreatment and their use for absorbents. <i>Carbohydrate Polymers</i> , 2015, 123, 150-156.	10.2	143
3	Green and facile fabrication of carbon aerogels from cellulose-based waste newspaper for solving organic pollution. <i>Carbohydrate Polymers</i> , 2016, 136, 95-100.	10.2	141
4	3D assembly based on 2D structure of Cellulose Nanofibril/Graphene Oxide Hybrid Aerogel for Adsorptive Removal of Antibiotics in Water. <i>Scientific Reports</i> , 2017, 7, 45914.	3.3	114
5	One Step Construction of Nitrogen-Derived Carbon from <i>Bradyrhizobium japonicum</i> for Supercapacitor Applications with a Soybean Leaf as a Separator. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4695-4704.	6.7	82
6	Soy Protein Isolate As Fluid Loss Additive in Bentonite-Based Water-Based Drilling Fluids. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24799-24809.	8.0	78
7	Synthesis of wood derived nitrogen-doped porous carbon-polyaniline composites for supercapacitor electrode materials. <i>RSC Advances</i> , 2015, 5, 30943-30949.	3.6	73
8	Naturally three-dimensional laminated porous carbon network structured short nano-chains bridging nanospheres for energy storage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15759-15770.	10.3	72
9	Cellulose as an adhesion agent for the synthesis of lignin aerogel with strong mechanical performance, Sound-absorption and thermal insulation. <i>Scientific Reports</i> , 2016, 6, 32383.	3.3	70
10	Fabrication of hydrophobic, electrically conductive and flame-resistant carbon aerogels by pyrolysis of regenerated cellulose aerogels. <i>Carbohydrate Polymers</i> , 2015, 118, 115-118.	10.2	63
11	A 3D titanate aerogel with cellulose as the adsorption-aggregator for highly efficient water purification. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5813-5819.	10.3	62
12	Biomimetic taro leaf-like films decorated on wood surfaces using soft lithography for superparamagnetic and superhydrophobic performance. <i>Journal of Materials Science</i> , 2017, 52, 7428-7438.	3.7	61
13	A simple, one-step hydrothermal approach to durable and robust superparamagnetic, superhydrophobic and electromagnetic wave-absorbing wood. <i>Scientific Reports</i> , 2016, 6, 35549.	3.3	60
14	Processing Lignocellulose-Based Composites into an Ultrastrong Structural Material. <i>ACS Nano</i> , 2019, 13, 371-376.	14.6	53
15	Self-photodegradation of formaldehyde under visible-light by solid wood modified via nanostructured Fe-doped WO ₃ accompanied with superior dimensional stability. <i>Journal of Hazardous Materials</i> , 2017, 328, 127-139.	12.4	49
16	Fabrication of Cellulose Nanofiber/AIOOH Aerogel for Flame Retardant and Thermal Insulation. <i>Materials</i> , 2017, 10, 311.	2.9	49
17	Fabrication of nitrogen-doped porous electrically conductive carbon aerogel from waste cabbage for supercapacitors and oil/water separation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4334-4344.	2.2	48
18	Double-Network Hierarchical-Porous Piezoresistive Nanocomposite Hydrogel Sensors Based on Compressive Cellulosic Hydrogels Deposited with Silver Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7480-7488.	6.7	48

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19	Fabrication of superhydrophobic bamboo timber based on an anatase TiO ₂ film for acid rain protection and flame retardancy. RSC Advances, 2015, 5, 62265-62272.	3.6	45
20	One-step solvothermal deposition of ZnO nanorod arrays on a wood surface for robust superamphiphobic performance and superior ultraviolet resistance. Scientific Reports, 2016, 6, 35505.	3.3	45
21	Ultralight and hydrophobic nanofibrillated cellulose aerogels from coconut shell with ultrastrong adsorption properties. Journal of Applied Polymer Science, 2015, 132, .	2.6	43
22	Nitrogen, Sulfur, Phosphorous Co-doped Interconnected Porous Carbon Nanosheets with High Defect Density for Enhancing Supercapacitor and Lithium-ion Battery Properties. ChemElectroChem, 2018, 5, 2367-2375.	3.4	40
23	Stress sensitive electricity based on Ag/cellulose nanofiber aerogel for self-reporting. Carbohydrate Polymers, 2017, 168, 265-273.	10.2	38
24	WC _x -Coupled 3D Porous Defective g-C ₃ N ₄ for Efficient Photocatalytic Overall Water Splitting. Solar Rrl, 2019, 3, 1800341.	5.8	38
25	Hydrothermal Synthesis of Nanooctahedra MnFe ₂ O ₄ onto the Wood Surface with Soft Magnetism, Fire Resistance and Electromagnetic Wave Absorption. Nanomaterials, 2017, 7, 118.	4.1	31
26	Candle soot nanoparticle-decorated wood for efficient solar vapor generation. Sustainable Energy and Fuels, 2020, 4, 354-361.	4.9	30
27	Preparation of High Mechanical Performance Nano-Fe ₃ O ₄ /Wood Fiber Binderless Composite Boards for Electromagnetic Absorption via a Facile and Green Method. Nanomaterials, 2018, 8, 52.	4.1	28
28	Bio-Inspired nacre-like nanolignocellulose-poly (vinyl alcohol)-TiO ₂ composite with superior mechanical and photocatalytic properties. Scientific Reports, 2017, 7, 1823.	3.3	27
29	Cellulose as an Adhesive for the Synthesis of Carbon Aerogel with a 3D Hierarchical Network Structure for Capacitive Energy Storage. ChemElectroChem, 2019, 6, 2586-2594.	3.4	27
30	Simple synthesis of MoO ₂ /carbon aerogel anodes for high performance lithium ion batteries from seaweed biomass. RSC Advances, 2016, 6, 106230-106236.	3.6	26
31	Cellulose nanofibers from bamboo and their nanocomposites with polyvinyl alcohol: Preparation and characterization. Polymer Composites, 2018, 39, 2611-2619.	4.6	26
32	Muscle-inspired capacitive tactile sensors with superior sensitivity in an ultra-wide stress range. Journal of Materials Chemistry C, 2020, 8, 5913-5922.	5.5	23
33	Improved mould resistance and antibacterial activity of bamboo coated with ZnO/graphene. Royal Society Open Science, 2018, 5, 180173.	2.4	22
34	Ultrafine Mn ferrite by anchoring in a cellulose framework for efficient toxic ions capture and fast water/oil separation. Carbohydrate Polymers, 2018, 196, 117-125.	10.2	19
35	Fabrication of Superhydrophobic Mg/Al Layered Double Hydroxide (LDH) Coatings on Medium Density Fiberboards (MDFs) with Flame Retardancy. Materials, 2018, 11, 1113.	2.9	19
36	Fabrication of a Nano-ZnO/Polyethylene/Wood-Fiber Composite with Enhanced Microwave Absorption and Photocatalytic Activity via a Facile Hot-Press Method. Materials, 2017, 10, 1267.	2.9	18

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37	One-Step Preparation of Graphene Oxide/Cellulose Nanofibril Hybrid Aerogel for Adsorptive Removal of Four Kinds of Antibiotics. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-10.	2.7	18
38	Natural cellulose nanofiber extracted from cell wall of bamboo leaf and its derived multifunctional aerogel. <i>Polymer Composites</i> , 2018, 39, 3869-3876.	4.6	18
39	Facile Fabrication of a PDMS@Stearic Acid-Kaolin Coating on Lignocellulose Composites with Superhydrophobicity and Flame Retardancy. <i>Materials</i> , 2018, 11, 727.	2.9	16
40	Preparation and characterization of high-strength and water resistant lignocelluloses based composites bonded by branched polyethylenimine (PEI). <i>International Journal of Biological Macromolecules</i> , 2019, 141, 369-377.	7.5	16
41	Layer-by-layer self-assembly of reduced graphene oxide on bamboo timber surface with improved decay resistance. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 1223-1231.	2.9	15
42	Cellulose hydrogel functionalized titanate microspheres with self-cleaning for efficient purification of heavy metals in oily wastewater. <i>Cellulose</i> , 2020, 27, 7751-7763.	4.9	15
43	High Mechanical Property of Laminated Electromechanical Sensors by Carbonized Nanolignocellulose/Graphene Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 7344-7351.	8.0	14
44	The properties of fibreboard based on nanolignocelluloses/CaCO ₃ /PMMA composite synthesized through mechano-chemical method. <i>Scientific Reports</i> , 2018, 8, 5121.	3.3	14
45	Effect of aluminosilicate on flame-retardant and mechanical properties of lignocellulose composite. <i>Cellulose</i> , 2018, 25, 4167-4177.	4.9	14
46	Green Construction of an Oil-Water Separator at Room Temperature and Its Promotion to an Adsorption Membrane. <i>Langmuir</i> , 2019, 35, 11071-11079.	3.5	14
47	Solvothermal fabrication and growth behavior study of spherical MnFe ₂ O ₄ through a bottom-up method on wood substrate with effective microwave absorption. <i>RSC Advances</i> , 2017, 7, 24764-24770.	3.6	13
48	“Pickles Method”-Inspired Tomato Derived Hierarchical Porous Carbon for High-Performance and Safer Capacitive Output. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1054-A1063.	2.9	12
49	Screening, Synthesis, and QSAR Research on Cinnamaldehyde-Amino Acid Schiff Base Compounds as Antibacterial Agents. <i>Molecules</i> , 2018, 23, 3027.	3.8	12
50	Fabrication of Fe ₃ O ₄ -modified lignocellulose composite for microwave absorption via a sol-gel-assisted hot-pressing process. <i>Cellulose</i> , 2019, 26, 5455-5466.	4.9	12
51	Discarded Biomass Derived Ordered Hierarchical Porous WO ₃ as Advanced Electrochemical Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 13897-13906.	6.7	11
52	Mesopore-dominant nitrogen-doped carbon with a large defect degree and high conductivity via inherent hydroxyapatite-induced self-activation for lithium-ion batteries. <i>RSC Advances</i> , 2018, 8, 12204-12210.	3.6	10
53	Lignocellulose-Chitosan-Multiwalled Carbon Nanotube Composites with Improved Mechanical Strength, Dimensional Stability and Fire Retardancy. <i>Polymers</i> , 2018, 10, 341.	4.5	10
54	Fabrication of Robust Superhydrophobic Bamboo Based on ZnO Nanosheet Networks with Improved Water-, UV-, and Fire-Resistant Properties. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	2.7	9

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55	Intrinsic Antiflaming Wood Caused by a TiO_2-Decorated ZnO Nanorod	2.7	9
56	A Facile Low-Temperature Hydrothermal Method to Prepare Anatase Titania/Cellulose Aerogels with Strong Photocatalytic Activities for Rhodamine B and Methyl Orange Degradations. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	8
57	Cross-Linked ZnO Nanowalls Immobilized onto Bamboo Surface and Their Use as Recyclable Photocatalysts. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	6
58	Utilizing cellulose sheets as structure promoter constructing different micro-nano titanate nanotubes networks for green water purification. Carbohydrate Polymers, 2017, 175, 756-764.	10.2	6
59	New Insight on Promoted thermostability of poplar wood modified by MnFe₂O₄ nanoparticles through the pyrolysis behaviors and kinetic study. Scientific Reports, 2017, 7, 1418.	3.3	6
60	Cross-Linked Chitosan as an Eco-Friendly Binder for High-Performance Wood-Based Fiberboard. International Journal of Polymer Science, 2021, 2021, 1-7.	2.7	6
61	Endowing graphene with superior cation/anion co-purification and visible photocatalysis performances by in situ deposition of silver compounds. Journal of Materials Chemistry A, 2017, 5, 20903-20910.	10.3	3
62	Thermally induced gel from cellulose/NaOH/PEG solution: preparation, characterization and mechanical properties. Applied Physics A: Materials Science and Processing, 2015, 119, 45-48.	2.3	2
63	Spawns Structure of Rod-Like ZnO Wrapped in Cellulose Nanofibers for Electromagnetic Wave Absorption. Journal of Nanomaterials, 2017, 2017, 1-6.	2.7	2
64	Superhydrophobicity, Microwave Absorbing Property of NiFe₂O₄/Wood Hybrids under Harsh Conditions. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	1
65	Preliminary studies of multi-micro/nanomaterials immobilized on the bamboo timber surface. Journal of the Indian Academy of Wood Science, 2016, 13, 145-151.	0.9	0