

Xiaoping Shen

List of Publications by Year in descending order

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24
papers

1,294
citations

516215

16
h-index

642321

23
g-index

24
all docs

24
docs citations

24
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogels based on cellulose and chitin: fabrication, properties, and applications. <i>Green Chemistry</i> , 2016, 18, 53-75.	4.6	522
2	A wood- ϵ -polypyrrole composite as a photothermal conversion device for solar evaporation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20706-20712.	5.2	189
3	Comparison of Hydrogels Prepared with Ionic-Liquid-Isolated vs Commercial Chitin and Cellulose. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 471-480.	3.2	100
4	Anisotropic, Flexible Wood Hydrogels and Wrinkled, Electrodeposited Film Electrodes for Highly Sensitive, Wide-Range Pressure Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43024-43031.	4.0	59
5	Preparation and comparison of bulk and membrane hydrogels based on Kraft- and ionic-liquid-isolated lignins. <i>Green Chemistry</i> , 2016, 18, 5607-5620.	4.6	56
6	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.	3.2	48
7	Solid biopolymer electrolytes based on all-cellulose composites prepared by partially dissolving cellulosic fibers in the ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Journal of Materials Science</i> , 2012, 47, 5978-5986.	1.7	34
8	Candle soot nanoparticle-decorated wood for efficient solar vapor generation. <i>Sustainable Energy and Fuels</i> , 2020, 4, 354-361.	2.5	30
9	Enhanced heavy metal adsorption ability of lignocellulosic hydrogel adsorbents by the structural support effect of lignin. <i>Cellulose</i> , 2019, 26, 4005-4019.	2.4	27
10	Synthesis of Pt-Loaded NiFe-LDH Nanosheets on Wood Veneer for Efficient Gaseous Formaldehyde Degradation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 37147-37154.	4.0	24
11	Muscle-inspired capacitive tactile sensors with superior sensitivity in an ultra-wide stress range. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5913-5922.	2.7	23
12	Ultrafine Mn ferrite by anchoring in a cellulose framework for efficient toxic ions capture and fast water/oil separation. <i>Carbohydrate Polymers</i> , 2018, 196, 117-125.	5.1	19
13	Fabrication of Superhydrophobic Mg/Al Layered Double Hydroxide (LDH) Coatings on Medium Density Fiberboards (MDFs) with Flame Retardancy. <i>Materials</i> , 2018, 11, 1113.	1.3	19
14	Multifunctional Ternary Hybrid Hydrogel Sensor Prepared via the Synergistic Stabilization Effect. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57725-57734.	4.0	19
15	Fabrication of a Nano-ZnO/Polyethylene/Wood-Fiber Composite with Enhanced Microwave Absorption and Photocatalytic Activity via a Facile Hot-Press Method. <i>Materials</i> , 2017, 10, 1267.	1.3	18
16	Facile Fabrication of a PDMS@Stearic Acid-Kaolin Coating on Lignocellulose Composites with Superhydrophobicity and Flame Retardancy. <i>Materials</i> , 2018, 11, 727.	1.3	16
17	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.	3.6	16
18	Improved dielectricity of anisotropic wood slices and bioinspired micropatterned film electrodes for highly sensitive flexible electronic sensors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16113-16120.	2.7	15

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19	Fabrication of a Robust and Flame-Retardant Aloooh-Lignocellulose Composite with a Lotus-Leaf-Like Superhydrophobic Coating. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 44-57.	0.9	14
20	Stretchable triboelectric nanogenerator with exteroception-visualized multifunctionality. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4300-4305.	5.2	13
21	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.	2.4	12
22	A flexible hydrogel tactile sensor with low compressive modulus and dynamic piezoresistive response regulated by lignocellulose/graphene aerogels. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12895-12903.	2.7	11
23	Lignocellulose-Chitosan-Multiwalled Carbon Nanotube Composites with Improved Mechanical Strength, Dimensional Stability and Fire Retardancy. <i>Polymers</i> , 2018, 10, 341.	2.0	10
24	Stretchable Photonic Semicrystal Interface by Pressure-Assisted Self-Assembly. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	0