Sha Wang

List of Publications by Year
in descending order

27 papers	2,122 citations	394286 19 h-index	552653 26 g-index
28 all docs	28 docs citations	28 times ranked	3773 citing authors

#	Article	IF	Citations
1	Highly ionic conductive and mechanically strong MXene/CNF membranes for osmotic energy conversion. Sustainable Energy and Fuels, 2022, 6, 299-308.	2.5	11
2	Increased ion transport and high-efficient osmotic energy conversion through aqueous stable graphitic carbon nitride/cellulose nanofiber composite membrane. Carbohydrate Polymers, 2022, 280, 119023.	5.1	28
3	Identification, Analysis and Gene Cloning of the SWEET Gene Family Provide Insights into Sugar Transport in Pomegranate (Punica granatum). International Journal of Molecular Sciences, 2022, 23, 2471.	1.8	7
4	Ion transport property, structural features, and applications of cellulose-based nanofluidic platforms â€" A review. Carbohydrate Polymers, 2022, 289, 119406.	5.1	3
5	Genome-wide identification and characterization of bZIP gene family and cloning of candidate genes for anthocyanin biosynthesis in pomegranate (Punica granatum). BMC Plant Biology, 2022, 22, 170.	1.6	17
6	A bio-inspired MXene/quaternary chitosan membrane with a â€œbrick-and-mortarâ€•structure towards high-performance photothermal conversion. Journal of Materials Chemistry C, 2022, 10, 8043-8049.	2.7	7
7	Genome-wide identification, gene cloning, subcellular location and expression analysis of SPL gene family in P. granatum L. BMC Plant Biology, 2021, 21, 400.	1.6	12
8	Alkali Halide Boost of Carbon Nitride for Photocatalytic H₂ Evolution in Seawater. ACS Applied Materials & Interfaces, 2020, 12, 48526-48532.	4.0	19
9	Strong, Water-Stable Ionic Cable from Bio-Hydrogel. Chemistry of Materials, 2019, 31, 9288-9294.	3.2	24
10	Green and Superhydrophobic Coatings Based on Tailor-Modified Lignocellulose Nanofibrils for Self-Cleaning Surfaces. Industrial & Engineering Chemistry Research, 2019, 58, 20323-20330.	1.8	23
11	Transparent, Anisotropic Biofilm with Aligned Bacterial Cellulose Nanofibers. Advanced Functional Materials, 2018, 28, 1707491.	7.8	142
12	Flexible, Scalable, and Highly Conductive Garnetâ€Polymer Solid Electrolyte Templated by Bacterial Cellulose. Advanced Energy Materials, 2018, 8, 1703474.	10.2	189
13	Highâ€Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. Advanced Energy Materials, 2018, 8, 1701616.	10.2	255
14	Flexible, Bio-Compatible Nanofluidic Ion Conductor. Chemistry of Materials, 2018, 30, 7707-7713.	3.2	54
15	Muscleâ€Inspired Highly Anisotropic, Strong, Ionâ€Conductive Hydrogels. Advanced Materials, 2018, 30, e1801934.	11.1	408
16	Superâ€Strong, Superâ€Stiff Macrofibers with Aligned, Long Bacterial Cellulose Nanofibers. Advanced Materials, 2017, 29, 1702498.	11.1	185
17	In Situ Carbonic Acid from CO₂: A Green Acid for Highly Effective Conversion of Cellulose in the Presence of Lewis acid. ACS Sustainable Chemistry and Engineering, 2016, 4, 4146-4155.	3.2	35
18	Light management in plasticâ€“paper hybrid substrate towards high-performance optoelectronics. Energy and Environmental Science, 2016, 9, 2278-2285.	15.6	103

#	Article	IF	Citations
19	A new strategy to tailor the structure of sustainable 3D hierarchical porous N-self-doped carbons from renewable biomass for high-performance supercapacitors and CO₂ capture. RSC Advances, 2016, 6, 34261-34270.	1.7	29
20	Flexible nanocomposites with ultrahigh specific areal capacitance and tunable properties based on a cellulose derived nanofiber-carbon sheet framework coated with polyaniline. Journal of Materials Chemistry A, 2016, 4, 13352-13362.	5.2	46
21	3D hierarchical porous N-doped carbon aerogel from renewable cellulose: an attractive carbon for high-performance supercapacitor electrodes and CO₂ adsorption. RSC Advances, 2016, 6, 15788-15795.	1.7	127
22	An ultralight, elastic, cost-effective, and highly recyclable superabsorbent from microfibrillated cellulose fibers for oil spillage cleanup. Journal of Materials Chemistry A, 2015, 3, 8772-8781.	5.2	186
23	Fabrication of a highly elastic nanocomposite hydrogel by surface modification of cellulose nanocrystals. RSC Advances, 2015, 5, 13878-13885.	1.7	35
24	Hydrothermal conversion of xylose, glucose, and cellulose under the catalysis of transition metal sulfates. Carbohydrate Polymers, 2015, 118, 44-51.	5.1	69
25	Choline chloride/urea as an effective plasticizer for production of cellulose films. Carbohydrate Polymers, 2015, 117, 133-139.	5.1	84
26	Impact of regeneration process on the crystalline structure and enzymatic hydrolysis of cellulose obtained from ionic liquid. Carbohydrate Polymers, 2014, 111, 400-403.	5.1	22
27	Cesium Salts as Mild Chemical Scissors To Trim Carbon Nitride for Photocatalytic H₂ Evolution. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	2