

Qifeng Zheng

List of Publications by Year in descending order

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36
papers

3,993
citations

172386
29
h-index

377752
34
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36
all docs

36
docs citations

36
times ranked

6245
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance green flexible electronics based on biodegradable cellulose nanofibril paper. <i>Nature Communications</i> , 2015, 6, 7170.	5.8	707
2	Cellulose Nanofibril/Reduced Graphene Oxide/Carbon Nanotube Hybrid Aerogels for Highly Flexible and All-Solid-State Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3263-3271.	4.0	356
3	Green synthesis of polyvinyl alcohol (PVA)-cellulose nanofibril (CNF) hybrid aerogels and their use as superabsorbents. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3110-3118.	5.2	340
4	A cyclic phosphate-based battery electrolyte for high voltage and safe operation. <i>Nature Energy</i> , 2020, 5, 291-298.	19.8	250
5	Highly Porous Polymer Aerogel Film-Based Triboelectric Nanogenerators. <i>Advanced Functional Materials</i> , 2018, 28, 1706365.	7.8	226
6	High-performance flexible triboelectric nanogenerator based on porous aerogels and electrospun nanofibers for energy harvesting and sensitive self-powered sensing. <i>Nano Energy</i> , 2018, 48, 327-336.	8.2	205
7	Polyvinyl Alcohol-Cellulose Nanofibrils-Graphene Oxide Hybrid Organic Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5969-5975.	4.0	163
8	Neuroendocrine Tumor-Targeted Upconversion Nanoparticle-Based Micelles for Simultaneous NIR-Controlled Combination Chemotherapy and Photodynamic Therapy, and Fluorescence Imaging. <i>Advanced Functional Materials</i> , 2017, 27, 1604671.	7.8	138
9	A freestanding cellulose nanofibril-reduced graphene oxide-molybdenum oxynitride aerogel film electrode for all-solid-state supercapacitors with ultrahigh energy density. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12528-12541.	5.2	133
10	High-performance flexible piezoelectric nanogenerators consisting of porous cellulose nanofibril (CNF)/poly(dimethylsiloxane) (PDMS) aerogel films. <i>Nano Energy</i> , 2016, 26, 504-512.	8.2	131
11	Multi-responsive self-healing metallo-supramolecular gels based on -click-ligand. <i>Journal of Materials Chemistry</i> , 2012, 22, 11515.	6.7	130
12	Image-guided and tumor-targeted drug delivery with radiolabeled unimolecular micelles. <i>Biomaterials</i> , 2013, 34, 8323-8332.	5.7	98
13	Poly(vinyl alcohol)/Cellulose Nanofibril Hybrid Aerogels with an Aligned Microtubular Porous Structure and Their Composites with Polydimethylsiloxane. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7436-7444.	4.0	93
14	Mechanically strong fully biobased anisotropic cellulose aerogels. <i>RSC Advances</i> , 2016, 6, 96518-96526.	1.7	92
15	Synthesis of polyvinyl alcohol/cellulose nanofibril hybrid aerogel microspheres and their use as oil/solvent superabsorbents. <i>Carbohydrate Polymers</i> , 2016, 148, 300-308.	5.1	90
16	Sodium- and Potassium-Hydrate Melts Containing Asymmetric Imide Anions for High-Voltage Aqueous Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14202-14207.	7.2	81
17	Polyvinyl alcohol (PVA)-cellulose nanofibril (CNF)-multiwalled carbon nanotube (MWCNT) hybrid organic aerogels with superior mechanical properties. <i>RSC Advances</i> , 2013, 3, 20816.	1.7	74
18	Multi-stimuli-responsive self-healing metallo-supramolecular polymer nanocomposites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3324-3334.	5.2	73

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19	A composite generator film impregnated with cellulose nanocrystals for enhanced triboelectric performance. <i>Nanoscale</i> , 2017, 9, 1428-1433.	2.8	67
20	A 3D interconnected metal-organic framework-derived solid-state electrolyte for dendrite-free lithium metal battery. <i>Energy Storage Materials</i> , 2022, 47, 262-270.	9.5	66
21	Concentrated Electrolytes Widen the Operating Temperature Range of Lithium-Ion Batteries. <i>Advanced Science</i> , 2021, 8, e2101646.	5.6	54
22	A new class of flexible nanogenerators consisting of porous aerogel films driven by mechanoradicals. <i>Nano Energy</i> , 2017, 38, 401-411.	8.2	52
23	Flexible Infrared Responsive Multi-Walled Carbon Nanotube/Form-Stable Phase Change Material Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 21602-21609.	4.0	45
24	3D Microstructured Scaffolds to Support Photoreceptor Polarization and Maturation. <i>Advanced Materials</i> , 2018, 30, e1803550.	11.1	45
25	Oxygen-deficient and nitrogen-doped MnO ₂ nanowire-reduced graphene oxide/cellulose nanofibril aerogel electrodes for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24407-24417.	5.2	43
26	Rational Electrolyte Design to Form Inorganic-Polymeric Interphase on Silicon-Based Anodes. <i>ACS Energy Letters</i> , 2021, 6, 1811-1820.	8.8	39
27	Graphene/Phase Change Material Nanocomposites: Light-Driven, Reversible Electrical Resistivity Regulation via Form-Stable Phase Transitions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2641-2647.	4.0	36
28	Advances in the Surface Engineering of Upconversion Nanocrystals. <i>Science of Advanced Materials</i> , 2012, 4, 1-22.	0.1	36
29	Three-Dimensional (3D) Nanostructured Skeleton Substrate Composed of Hollow Carbon Fiber/Carbon Nanosheet/ZnO for Stable Lithium Anode. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3078-3088.	4.0	34
30	Drug-loaded nanoparticles induce gene expression in human pluripotent stem cell derivatives. <i>Nanoscale</i> , 2014, 6, 521-531.	2.8	26
31	Highly stretchable and sensitive piezoresistive carbon nanotube/elastomeric triisocyanate-crosslinked polytetrahydrofuran nanocomposites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 460-467.	2.7	26
32	Sodium- and Potassium-Hydrate Melts Containing Asymmetric Imide Anions for High-Voltage Aqueous Batteries. <i>Angewandte Chemie</i> , 2019, 131, 14340-14345.	1.6	18
33	Crystalline Porous Materials-based Solid-State Electrolytes for Lithium Metal Batteries. <i>EnergyChem</i> , 2022, 4, 100073.	10.1	18
34	Tuning the Metal Ions of Prussian Blue Analogues in Separators to Enable High-Power Lithium Metal Batteries. <i>Nano Letters</i> , 2022, 22, 4861-4869.	4.5	8
35	(Invited) Electrolyte Design Strategies to High-Voltage and Safe Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 792-792.	0.0	0
36	Cyclic Phosphate-Based Nonflammable Electrolytes for High Energy and Safe Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 691-691.	0.0	0