Tian Zheng

List of Publications by Year
in descending order

22 papers	1,467 citations	430874 18 h-index	677142 22 g-index
22 all docs	22 docs citations	22 times ranked	2909 citing authors

#	Article	IF	Citations
1	Boosting the Potassium Storage Performance of Alloyâ€Based Anode Materials via Electrolyte Salt Chemistry. Advanced Energy Materials, 2018, 8, 1703288.	19.5	382
2	Selfâ€Assembly of Flexible Freeâ€Standing 3D Porous MoS₂â€Reduced Graphene Oxide Structure for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Functional Materials, 2017, 27, 1700234.	14.9	181
3	A virtual instrument to standardise the calibration of atomic force microscope cantilevers. Review of Scientific Instruments, 2016, 87, 093711.	1.3	114
4	Human skin interactive self-powered wearable piezoelectric bio-e-skin by electrospun poly-<scp>l</scp>-lactic acid nanofibers for non-invasive physiological signal monitoring. Journal of Materials Chemistry B, 2017, 5, 7352-7359.	5.8	104
5	Fabrication of Polypyrrole/Graphene Oxide Composite Nanosheets and Their Applications for Cr(VI) Removal in Aqueous Solution. PLoS ONE, 2012, 7, e43328.	2.5	100
6	A robust free-standing MoS2/poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate) film for supercapacitor applications. Electrochimica Acta, 2017, 235, 348-355.	5.2	84
7	Achieving Highâ€Performance Metal Phosphide Anode for Potassium Ion Batteries via Concentrated Electrolyte Chemistry. Advanced Energy Materials, 2021, 11, 2003346.	19.5	62
8	Synthesis and properties of novel electroactive poly(amic acid) and polyimide copolymers bearing pendant oligoaniline groups. Polymer Chemistry, 2011, 2, 1300.	3.9	53
9	Cellulose-based magnetoelectric composites. Nature Communications, 2017, 8, 38.	12.8	53
10	Melt electrowriting of electroactive poly(vinylidene difluoride) fibers. Polymer International, 2019, 68, 735-745.	3.1	42
11	A â€œTandemâ€•Strategy to Fabricate Flexible Graphene/Polypyrrole Nanofiber Film Using the Surfactant-Exfoliated Graphene for Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 22031-22041.	8.0	40
12	Local probing of magnetoelectric properties of PVDF/Fe₃O₄electrospun nanofibers by piezoresponse force microscopy. Nanotechnology, 2017, 28, 065707.	2.6	38
13	Construction of 2D lateral pseudoheterostructures by strain engineering. 2D Materials, 2017, 4, 025102.	4.4	31
14	Controllable fabrication of porous free-standing polypyrrole films via a gas phase polymerization. Journal of Colloid and Interface Science, 2011, 364, 555-560.	9.4	30
15	A novel poly(aryl ether) containing azobenzene chromophore and pendant oligoaniline: Synthesis and electrochromic properties. Electrochimica Acta, 2012, 60, 253-258.	5.2	28
16	Polyacrylonitrile/manganese acetate composite nanofibers and their catalysis performance on chromium (VI) reduction by oxalic acid. Journal of Hazardous Materials, 2012, 229-230, 439-445.	12.4	27
17	Enhancement of charge separation in ferroelectric heterogeneous photocatalyst Bi₄(SiO₄)₃/Bi₂SiO₅ nanostructures. Dalton Transactions, 2017, 46, 15582-15588.	3.3	25
18	An Electrosynthesized 3D Porous Molybdenum Sulfide/Graphene Film with Enhanced Electrochemical Performance for Lithium Storage. Small, 2018, 14, 1703096.	10.0	25

#	Article	IF	Citations
19	Fabrication of ternary CNT/PPy/KxMnO2 composite nanowires for electrocatalytic applications. Talanta, 2012, 90, 51-56.	5.5	20
20	Fabrication of electrochemically responsive surface relief diffraction gratings based on a multifunctional polyamide containing oligoaniline and azo groups. Journal of Materials Chemistry, 2011, 21, 18317.	6.7	18
21	Hyperbranched electroactive azo polyamide based on oligoaniline: Synthesis, characterization, and dielectric properties. Macromolecular Research, 2011, 19, 1127-1133.	2.4	6
22	Acyl thioacetamide-group chelated nanofiber to adsorb silver ions from aqueous systems. Chemical Research in Chinese Universities, 2014, 30, 685-689.	2.6	4