Yao Chen

List of Publications by Year
in descending order

43 papers	3,900 citations	218677 26 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	6494 citing authors

#	Article	IF	Citations
1	High performance supercapacitors based on reduced graphene oxide in aqueous and ionic liquid electrolytes. Carbon, 2011, 49, 573-580.	10.3	620
2	Enhanced capacitance and rate capability of graphene/polypyrrole composite as electrode material for supercapacitors. Journal of Power Sources, 2011, 196, 5990-5996.	7.8	528
3	On chip, all solid-state and flexible micro-supercapacitors with high performance based on MnOx/Au multilayers. Energy and Environmental Science, 2013, 6, 3218.	30.8	314
4	Threeâ€Dimensionally â€œCurvedâ€•NiO Nanomembranes as Ultrahigh Rate Capability Anodes for Liâ€Ion Batteries with Long Cycle Lifetimes. Advanced Energy Materials, 2014, 4, 1300912.	19.5	263
5	Stable dispersions of graphene and highly conducting graphene films: a new approach to creating colloids of graphene monolayers. Chemical Communications, 2009, , 4527.	4.1	256
6	Electrophoretic deposition of graphene nanosheets on nickel foams for electrochemical capacitors. Journal of Power Sources, 2010, 195, 3031-3035.	7.8	240
7	Immobilizing Highly Catalytically Active Noble Metal Nanoparticles on Reduced Graphene Oxide: A Non-Noble Metal Sacrificial Approach. Journal of the American Chemical Society, 2015, 137, 106-109.	13.7	213
8	High-performance supercapacitors based on a grapheneâ€“activated carbon composite prepared by chemical activation. RSC Advances, 2012, 2, 7747.	3.6	152
9	Highly efficient hydrogen generation from formic acid using a reduced graphene oxide-supported AuPd nanoparticle catalyst. Chemical Communications, 2016, 52, 4171-4174.	4.1	120
10	Electrochemical reduction of graphene oxide films: Preparation, characterization and their electrochemical properties. Science Bulletin, 2012, 57, 3045-3050.	1.7	94
11	One-step solvothermal synthesis of graphene/Mn3O4 nanocomposites and their electrochemical properties for supercapacitors. Materials Letters, 2012, 68, 336-339.	2.6	86
12	Molecular level one-step activation of agar to activated carbon for high performance supercapacitors. Carbon, 2018, 132, 573-579.	10.3	85
13	An environment-friendly route to synthesize reduced graphene oxide as a supercapacitor electrode material. Electrochimica Acta, 2012, 69, 364-370.	5.2	81
14	Observation of room temperature saturated ferroelectric polarization in Dy substituted BiFeO3 ceramics. Journal of Applied Physics, 2012, 111, .	2.5	75
15	Preparation and pseudo-capacitance of birnessite-type MnO2 nanostructures via microwave-assisted emulsion method. Materials Chemistry and Physics, 2009, 118, 303-307.	4.0	70
16	Strainâ€Driven Formation of Multilayer Graphene/GeO₂ Tubular Nanostructures as Highâ€Capacity and Very Longâ€Life Anodes for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2013, 3, 1269-1274.	19.5	67
17	Solution-combustion synthesis of Îµ-MnO2 for supercapacitors. Materials Letters, 2010, 64, 61-64.	2.6	66
18	One-pot hydrothermal synthesis of ruthenium oxide nanodots on reduced graphene oxide sheets for supercapacitors. Journal of Alloys and Compounds, 2012, 511, 251-256.	5.5	65

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19	TiO2 nanotube arrays co-loaded with Au nanoparticles and reduced graphene oxide: Facile synthesis and promising photocatalytic application. Journal of Alloys and Compounds, 2013, 578, 242-248.	5.5	65
20	Monodispersed Pt nanoparticles on reduced graphene oxide by a non-noble metal sacrificial approach for hydrolytic dehydrogenation of ammonia borane. Nano Research, 2017, 10, 3811-3816.	10.4	47
21	Self-template route to MnO2 hollow structures for supercapacitors. Materials Letters, 2010, 64, 1480-1482.	2.6	43
22	Nanoporous Versus Nanoparticulate Carbonâ€Based Materials for Capacitive Charge Storage. Energy and Environmental Materials, 2020, 3, 247-264.	12.8	36
23	Bifunctional catalyst of well-dispersed RuO2 on NiCo2O4 nanosheets as enhanced cathode for lithium-oxygen batteries. Electrochimica Acta, 2018, 262, 97-106.	5.2	33
24	Activated Carbon by One-Step Calcination of Deoxygenated Agar for High Voltage Lithium Ion Supercapacitor. ACS Sustainable Chemistry and Engineering, 2020, 8, 3637-3643.	6.7	31
25	High power density of graphene-based supercapacitors in ionic liquid electrolytes. Materials Letters, 2012, 68, 475-477.	2.6	28
26	New Precursors Derived Activated Carbon and Graphene for Aqueous Supercapacitors with Unequal Electrode Capacitances. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, 36, 1904025-0.	4.9	27
27	An all-nanosheet OER/ORR bifunctional electrocatalyst for both aprotic and aqueous Liâ€"O₂ batteries. Nanoscale, 2019, 11, 2855-2862.	5.6	26
28	Supercapacitor electrodes with especially high rate capability and cyclability based on a novel Pt nanosphere and cysteine-generated graphene. Physical Chemistry Chemical Physics, 2012, 14, 10899.	2.8	23
29	Preparation and formation mechanism of Al-Si/Al2O3 core-shell structured particles fabricated via steam corrosion. Ceramics International, 2019, 45, 13809-13817.	4.8	18
30	Porous nanocubes La0.9Co0.8Ni0.2O3âˆ'x as efficient catalyst for Li-O2 batteries. Electrochimica Acta, 2019, 327, 135017.	5.2	15
31	TiO2 Mesoporous Thick Films with Large-Pore Structure for Dye-Sensitized Solar Cell. Journal of Nanoscience and Nanotechnology, 2008, 8, 3877-3882.	0.9	14
32	Low-temperature hydrothermal synthesis of Î±-MnO2 three-dimensional nanostructures. Materials Letters, 2010, 64, 583-585.	2.6	13
33	Redox deposition of birnessite MnO 2 on ZIF-8 derived porous carbon at room temperature for supercapacitor electrodes. Materials Letters, 2018, 216, 123-126.	2.6	12
34	Porous double-doped perovskite La0.6Ca0.4Fe0.8Ni0.2O3 nanotubes as highly efficient bifunctional catalysts for lithium-oxygen batteries. Journal of Power Sources, 2020, 468, 228362.	7.8	12
35	Increased electrochemical properties of ruthenium oxide and graphene/ruthenium oxide hybrid dispersed by polyvinylpyrrolidone. Journal of Alloys and Compounds, 2012, 541, 415-420.	5.5	11
36	Hydrothermal-Reduction Synthesis of Manganese Oxide Nanomaterials for Electrochemical Supercapacitors. Journal of Nanoscience and Nanotechnology, 2010, 10, 7711-7714.	0.9	9

#	Article	IF	Citations
37	Honeycombed activated carbon with greatly increased specific surface by direct activation of glucose for supercapacitors. Journal of Alloys and Compounds, 2021, 883, 160907.	5.5	9
38	Effects of magnetic annealing on structure and multiferroic properties of pure and dysprosium substituted BiFeO3. Journal of Magnetism and Magnetic Materials, 2012, 324, 2205-2210.	2.3	8
39	Wrinkled Perovskite La 0.9 Mn 0.6 Ni 0.4 O 3â˘ Î´ Nanofibers as Highly Efficient Electrocatalyst for Rechargeable Liâ˘O 2 Batteries. ChemElectroChem, 2019, 6, 5864-5869.	3.4	7
40	Effects of Pore Widening vs Oxygenation on Capacitance of Activated Carbon in Aqueous Sodium Sulfate Electrolyte. Journal of the Electrochemical Society, 2020, 167, 040524.	2.9	7
41	Preparation and Electrochemical Properties of Graphene/MnO₂Nanocomposites for Supercapacitors. Key Engineering Materials, 0, 768, 102-108.	0.4	5
42	High Yield and Packing Density Activated Carbon by One-Step Molecular Level Activation of Hydrophilic Pomelo Peel for Supercapacitors. Journal of the Electrochemical Society, 2021, 168, 060521.	2.9	4
43	Building Porous Graphene Architectures for Electrochemical Energy Storage Devices. , 0, , 86-108.		2