# Yao Chen

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 43 papers | 3,900 citations | 249298 26 h-index | 312153 41 g-index |
| 43 all docs | 43 docs citations | 43 times ranked | 7545 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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. | 1.3 | 4 |
| 2 | Honeycombed activated carbon with greatly increased specific surface by direct activation of glucose for supercapacitors. Journal of Alloys and Compounds, 2021, 883, 160907. | 2.8 | 9 |
| 3 | 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. | 4.0 | 12 |
| 4 | Effects of Pore Widening vs Oxygenation on Capacitance of Activated Carbon in Aqueous Sodium Sulfate Electrolyte. Journal of the Electrochemical Society, 2020, 167, 040524. | 1.3 | 7 |
| 5 | Nanoporous Versus Nanoparticulate Carbonâ€Based Materials for Capacitive Charge Storage. Energy and Environmental Materials, 2020, 3, 247-264. | 7.3 | 36 |
| 6 | Activated Carbon by One-Step Calcination of Deoxygenated Agar for High Voltage Lithium Ion Supercapacitor. ACS Sustainable Chemistry and Engineering, 2020, 8, 3637-3643. | 3.2 | 31 |
| 7 | 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. | 2.2 | 27 |
| 8 | Porous nanocubes La0.9Co0.8Ni0.2O3â^'x as efficient catalyst for Li-O2 batteries. Electrochimica Acta, 2019, 327, 135017. | 2.6 | 15 |
| 9 | An all-nanosheet OER/ORR bifunctional electrocatalyst for both aprotic and aqueous Liâ€“O<sub>2</sub> batteries. Nanoscale, 2019, 11, 2855-2862. | 2.8 | 26 |
| 10 | Preparation and formation mechanism of Al-Si/Al2O3 core-shell structured particles fabricated via steam corrosion. Ceramics International, 2019, 45, 13809-13817. | 2.3 | 18 |
| 11 | 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. | 1.7 | 7 |
| 12 | Molecular level one-step activation of agar to activated carbon for high performance supercapacitors. Carbon, 2018, 132, 573-579. | 5.4 | 85 |
| 13 | Redox deposition of birnessite MnO 2 on ZIF-8 derived porous carbon at room temperature for supercapacitor electrodes. Materials Letters, 2018, 216, 123-126. | 1.3 | 12 |
| 14 | Bifunctional catalyst of well-dispersed RuO2 on NiCo2O4 nanosheets as enhanced cathode for lithium-oxygen batteries. Electrochimica Acta, 2018, 262, 97-106. | 2.6 | 33 |
| 15 | 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. | 5.8 | 47 |
| 16 | Highly efficient hydrogen generation from formic acid using a reduced graphene oxide-supported AuPd nanoparticle catalyst. Chemical Communications, 2016, 52, 4171-4174. | 2.2 | 120 |
| 17 | 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. | 6.6 | 213 |
| 18 | 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. | 10.2 | 263 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | On chip, all solid-state and flexible micro-supercapacitors with high performance based on MnOx/Au multilayers. Energy and Environmental Science, 2013, 6, 3218. | 15.6 | 314 |
| 20 | Strainâ€Driven Formation of Multilayer Graphene/GeO<sub>2</sub> Tubular Nanostructures as Highâ€Capacity and Very Longâ€Life Anodes for Lithiumâ€Ion Batteries. Advanced Energy Materials, 2013, 3, 1269-1274. | 10.2 | 67 |
| 21 | 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. | 2.8 | 65 |
| 22 | Electrochemical reduction of graphene oxide films: Preparation, characterization and their electrochemical properties. Science Bulletin, 2012, 57, 3045-3050. | 1.7 | 94 |
| 23 | 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. | 1.3 | 23 |
| 24 | Increased electrochemical properties of ruthenium oxide and graphene/ruthenium oxide hybrid dispersed by polyvinylpyrrolidone. Journal of Alloys and Compounds, 2012, 541, 415-420. | 2.8 | 11 |
| 25 | One-pot hydrothermal synthesis of ruthenium oxide nanodots on reduced graphene oxide sheets for supercapacitors. Journal of Alloys and Compounds, 2012, 511, 251-256. | 2.8 | 65 |
| 26 | High-performance supercapacitors based on a grapheneâ€“activated carbon composite prepared by chemical activation. RSC Advances, 2012, 2, 7747. | 1.7 | 152 |
| 27 | Observation of room temperature saturated ferroelectric polarization in Dy substituted BiFeO3 ceramics. Journal of Applied Physics, 2012, 111, . | 1.1 | 75 |
| 28 | An environment-friendly route to synthesize reduced graphene oxide as a supercapacitor electrode material. Electrochimica Acta, 2012, 69, 364-370. | 2.6 | 81 |
| 29 | One-step solvothermal synthesis of graphene/Mn3O4 nanocomposites and their electrochemical properties for supercapacitors. Materials Letters, 2012, 68, 336-339. | 1.3 | 86 |
| 30 | High power density of graphene-based supercapacitors in ionic liquid electrolytes. Materials Letters, 2012, 68, 475-477. | 1.3 | 28 |
| 31 | 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. | 1.0 | 8 |
| 32 | High performance supercapacitors based on reduced graphene oxide in aqueous and ionic liquid electrolytes. Carbon, 2011, 49, 573-580. | 5.4 | 620 |
| 33 | Enhanced capacitance and rate capability of graphene/polypyrrole composite as electrode material for supercapacitors. Journal of Power Sources, 2011, 196, 5990-5996. | 4.0 | 528 |
| 34 | Solution-combustion synthesis of Îµ-MnO2 for supercapacitors. Materials Letters, 2010, 64, 61-64. | 1.3 | 66 |
| 35 | Low-temperature hydrothermal synthesis of Î±-MnO2 three-dimensional nanostructures. Materials Letters, 2010, 64, 583-585. | 1.3 | 13 |
| 36 | Self-template route to MnO2 hollow structures for supercapacitors. Materials Letters, 2010, 64, 1480-1482. | 1.3 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Electrophoretic deposition of graphene nanosheets on nickel foams for electrochemical capacitors. Journal of Power Sources, 2010, 195, 3031-3035. | 4.0 | 240 |
| 38 | Hydrothermal-Reduction Synthesis of Manganese Oxide Nanomaterials for Electrochemical Supercapacitors. Journal of Nanoscience and Nanotechnology, 2010, 10, 7711-7714. | 0.9 | 9 |
| 39 | Preparation and pseudo-capacitance of birnessite-type MnO2 nanostructures via microwave-assisted emulsion method. Materials Chemistry and Physics, 2009, 118, 303-307. | 2.0 | 70 |
| 40 | Stable dispersions of graphene and highly conducting graphene films: a new approach to creating colloids of graphene monolayers. Chemical Communications, 2009, , 4527. | 2.2 | 256 |
| 41 | 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 |
| 42 | Preparation and Electrochemical Properties of Graphene/MnO<sub>2 </sub>Nanocomposites for Supercapacitors. Key Engineering Materials, 0, 768, 102-108. | 0.4 | 5 |
| 43 | Building Porous Graphene Architectures for Electrochemical Energy Storage Devices. , 0, , 86-108. | | 2 |