Huige Wei

List of Publications by Year
in descending order

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64 papers	5,147 citations	81900 39 h-index	110387 64 g-index
68 all docs	68 docs citations	68 times ranked	6790 citing authors

#	Article	IF	Citations
1	One-step preparation of single-crystalline Fe2O3 particles/graphene composite hydrogels as high performance anode materials for supercapacitors. Nano Energy, 2014, 7, 86-96.	16.0	380
2	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. Journal of Materials Chemistry A, 2015, 3, 469-480.	10.3	334
3	Electrochromic polyaniline/graphite oxide nanocomposites with endured electrochemical energy storage. Polymer, 2013, 54, 1820-1831.	3.8	278
4	An overview of lead-free piezoelectric materials and devices. Journal of Materials Chemistry C, 2018, 6, 12446-12467.	5.5	256
5	Electropolymerized Polyaniline Stabilized Tungsten Oxide Nanocomposite Films: Electrochromic Behavior and Electrochemical Energy Storage. Journal of Physical Chemistry C, 2012, 116, 25052-25064.	3.1	218
6	Polymer nanocomposites for energy storage, energy saving, and anticorrosion. Journal of Materials Chemistry A, 2015, 3, 14929-14941.	10.3	201
7	Anticorrosive conductive polyurethane multiwalled carbon nanotube nanocomposites. Journal of Materials Chemistry A, 2013, 1, 10805.	10.3	196
8	Interfacial polymerized polyaniline/graphite oxide nanocomposites toward electrochemical energy storage. Polymer, 2012, 53, 5953-5964.	3.8	163
9	Electrically Conductive Polypropylene Nanocomposites with Negative Permittivity at Low Carbon Nanotube Loading Levels. ACS Applied Materials & Interfaces, 2015, 7, 6125-6138.	8.0	153
10	Carbon-coated MnO microparticulate porous nanocomposites serving as anode materials with enhanced electrochemical performances. Nano Energy, 2014, 9, 41-49.	16.0	146
11	Mesoporous magnetic carbon nanocomposite fabrics for highly efficient Cr(<scp>vi</scp>) removal. Journal of Materials Chemistry A, 2014, 2, 2256-2265.	10.3	140
12	Polypyrrole/reduced graphene aerogel film for wearable piezoresisitic sensors with high sensing performances. Advanced Composites and Hybrid Materials, 2021, 4, 86-95.	21.1	122
13	Polyaniline coating on carbon fiber fabrics for improved hexavalent chromium removal. RSC Advances, 2014, 4, 29855.	3.6	118
14	Magnetiteâ€“Polypyrrole Metacomposites: Dielectric Properties and Magnetoresistance Behavior. Journal of Physical Chemistry C, 2013, 117, 10191-10202.	3.1	113
15	Energy conversion technologies towards self-powered electrochemical energy storage systems: the state of the art and perspectives. Journal of Materials Chemistry A, 2017, 5, 1873-1894.	10.3	113
16	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. ChemNanoMat, 2020, 6, 174-184.	2.8	112
17	An overview of the magnetoresistance phenomenon in molecular systems. Chemical Society Reviews, 2013, 42, 5907.	38.1	94
18	Electropolymerized polypyrrole nanocomposites with cobalt oxide coated on carbon paper for electrochemical energy storage. Polymer, 2015, 67, 192-199.	3.8	93

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19	Polypyrrole doped epoxy resin nanocomposites with enhanced mechanical properties and reduced flammability. Journal of Materials Chemistry C, 2015, 3, 162-176.	5.5	88
20	Controllable organic magnetoresistance in polyaniline coated poly(p-phenylene-2,6-benzobisoxazole) short fibers. Chemical Communications, 2019, 55, 10068-10071.	4.1	84
21	Tungsten Trioxide/Zinc Tungstate Bilayers: Electrochromic Behaviors, Energy Storage and Electron Transfer. Electrochimica Acta, 2014, 132, 58-66.	5.2	80
22	Strengthened Magnetoresistive Epoxy Nanocomposite Papers Derived from Synergistic Nanomagnetiteâ€Carbon Nanofiber Nanohybrids. Advanced Materials, 2015, 27, 6277-6282.	21.0	79
23	Electrical transport and magnetoresistance in advanced polyaniline nanostructures and nanocomposites. Polymer, 2014, 55, 4405-4419.	3.8	78
24	Multifunctional Carbon Nanostructures for Advanced Energy Storage Applications. Nanomaterials, 2015, 5, 755-777.	4.1	73
25	Significantly enhanced energy density of magnetite/polypyrrole nanocomposite capacitors at high rates by low magnetic fields. Advanced Composites and Hybrid Materials, 2018, 1, 127-134.	21.1	73
26	Silica Doped Nanopolyaniline with Endured Electrochemical Energy Storage and the Magnetic Field Effects. Journal of Physical Chemistry C, 2013, 117, 13000-13010.	3.1	70
27	Magnetocapacitance in magnetic microtubular carbon nanocomposites under external magnetic field. Nano Energy, 2014, 6, 180-192.	16.0	64
28	Electropolymerized Polyaniline Nanocomposites from Multi-Walled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. Journal of the Electrochemical Society, 2013, 160, G3038-G3045.	2.9	59
29	Electrocatalytic activity of multi-walled carbon nanotubes-supported PtxPdy catalysts prepared by a pyrolysis process toward ethanol oxidation reaction. Electrochimica Acta, 2013, 100, 147-156.	5.2	58
30	Introducing advanced composites and hybrid materials. Advanced Composites and Hybrid Materials, 2018, 1, 1-5.	21.1	57
31	Electrochromic Poly(DNTD)/WO3Nanocomposite Films via Electorpolymerization. Journal of Physical Chemistry C, 2012, 116, 16286-16293.	3.1	55
32	Electropolymerized polyaniline/manganese iron oxide hybrids with an enhanced color switching response and electrochemical energy storage. Journal of Materials Chemistry A, 2015, 3, 20778-20790.	10.3	55
33	Electrochemical energy storage by polyaniline nanofibers: high gravity assisted oxidative polymerization vs. rapid mixing chemical oxidative polymerization. Physical Chemistry Chemical Physics, 2015, 17, 1498-1502.	2.8	55
34	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. ACS Sensors, 2021, 6, 2938-2951.	7.8	53
35	Formic acid oxidation reaction on a PdxNiy bimetallic nanoparticle catalyst prepared by a thermal decomposition process using ionic liquids as the solvent. International Journal of Hydrogen Energy, 2014, 39, 7326-7337.	7.1	50
36	Hybrid Electrochromic Fluorescent Poly(DNTD)/CdSe@ZnS Composite Films. Journal of Physical Chemistry C, 2012, 116, 4500-4510.	3.1	49

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37	Carboxyl Multiwalled Carbonâ€Nanotubeâ€Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. ChemElectroChem, 2015, 2, 559-570.	3.4	49
38	Transparent anhydrideâ€“cured epoxy nanocomposites reinforced with polyaniline stabilized nanosilica. Journal of Materials Chemistry C, 2015, 3, 8152-8165.	5.5	45
39	Electropolymerized Polypyrrole Nanocoatings on Carbon Paper for Electrochemical Energy Storage. ChemElectroChem, 2015, 2, 119-126.	3.4	43
40	Reversible photo-controlled release of bovine serum albumin by azobenzene-containing cellulose nanofibrils-based hydrogel. Advanced Composites and Hybrid Materials, 2019, 2, 462-470.	21.1	41
41	Preparation and enhanced properties of Fe3O4 nanoparticles reinforced polyimide nanocomposites. Superlattices and Microstructures, 2015, 85, 305-320.	3.1	39
42	Hexavalent chromium synthesized polyaniline nanostructures: Magnetoresistance and electrochemical energy storage behaviors. Polymer, 2013, 54, 5974-5985.	3.8	36
43	Giant magnetoresistance in non-magnetic phosphoric acid doped polyaniline silicon nanocomposites with higher magnetic field sensing sensitivity. Physical Chemistry Chemical Physics, 2013, 15, 10866.	2.8	36
44	Multiwalled Carbon Nanotubes Composited with Palladium Nanocatalysts for Highly Efficient Ethanol Oxidation. Journal of the Electrochemical Society, 2015, 162, F755-F763.	2.9	36
45	Positive and negative magnetoresistance phenomena observed in magnetic electrospun polyacrylonitrile-based carbon nanocomposite fibers. Journal of Materials Chemistry C, 2014, 2, 715-722.	5.5	34
46	Multi-walled carbon nanotubes composited with nanomagnetite for anodes in lithium ion batteries. RSC Advances, 2015, 5, 7237-7244.	3.6	34
47	Carbon Coating and Zn 2+ Doping of Magnetite Nanorods for Enhanced Electrochemical Energy Storage. Electrochimica Acta, 2014, 148, 118-126.	5.2	31
48	Structural evolution and degradation mechanism of VectranÂ® fibers upon exposure to UV-radiation. Polymer Degradation and Stability, 2013, 98, 1744-1753.	5.8	30
49	Electrochemical Properties and Electrochromic Behaviors of the Solâ€“Gel Derived Tungsten Trioxide Thin Films. Energy and Environment Focus, 2013, 2, 112-120.	0.3	29
50	Batteryâ€Type Electrode Materials for Sodiumâ€Ion Capacitors. Batteries and Supercaps, 2019, 2, 899-917.	4.7	29
51	One-pot in situ synthesized TiO 2 /layered double hydroxides (LDHs) composites toward environmental remediation. Materials Letters, 2014, 114, 111-114.	2.6	28
52	Synergistic Interactions between Activated Carbon Fabrics and Toxic Hexavalent Chromium. ECS Journal of Solid State Science and Technology, 2014, 3, M1-M9.	1.8	27
53	Optimal Electrocatalytic Pd/MWNTs Nanocatalysts toward Formic Acid Oxidation. Electrochimica Acta, 2015, 184, 452-465.	5.2	27
54	Magnetoresistive conductive polymer-tungsten trioxide nanocomposites with ultrahigh sensitivity at low magnetic field. Polymer, 2014, 55, 944-950.	3.8	19

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55	Pulsed laser deposited Ag nanoparticles on nickel hydroxide nanosheet arrays for highly sensitive surface-enhanced Raman scattering spectroscopy. Applied Surface Science, 2014, 316, 66-71.	6.1	19
56	Multiwalled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. ECS Journal of Solid State Science and Technology, 2013, 2, M3008-M3014.	1.8	17
57	Carbon monolith with embedded mesopores and nanoparticles as a novel adsorbent for water treatment. RSC Advances, 2015, 5, 42540-42547.	3.6	17
58	Hyperbranched Polyesterâ€Stabilized Nanotitaniaâ€Coated Vectran Fibers with Improved UVâ€Blocking Performance. Macromolecular Materials and Engineering, 2015, 300, 64-69.	3.6	14
59	Enhanced Negative Magnetoresistance with High Sensitivity of Polyaniline Interfaced with Nanotitania. Journal of the Electrochemical Society, 2016, 163, H664-H671.	2.9	14
60	Highly Monodisperse Subâ€microspherical Poly(glycidyl methacrylate) Nanocomposites with Highly Stabilized Gold Nanoparticles. Macromolecular Chemistry and Physics, 2014, 215, 1098-1106.	2.2	13
61	Strain Sensitive Polyurethane Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. Energy and Environment Focus, 2014, 3, 85-93.	0.3	11
62	Thermal stability, thermal decomposition and mechanism analysis of cycloaliphatic epoxy/4,4â€²-dihydroxydiphenylsulfone/aluminum complexes latent resin systems. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 1061-1067.	1.0	5
63	Decomposition mechanisms of cured epoxy resins in nearâ€critical water. Journal of Applied Polymer Science, 2015, 132, .	2.6	5
64	Synthesis of Multifunctional Carbon Nanostructures. World Scientific Series on Carbon Nanoscience, 2015, , 89-126.	0.1	2