

Huige Wei

List of Publications by Year in descending order

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64
papers

5,147
citations

81900

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110387

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docs citations

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times ranked

6790
citing authors

#	ARTICLE	IF	CITATIONS
1	Polypyrrole/reduced graphene aerogel film for wearable piezoresistive sensors with high sensing performances. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 86-95.	21.1	122
2	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. <i>ACS Sensors</i> , 2021, 6, 2938-2951.	7.8	53
3	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. <i>ChemNanoMat</i> , 2020, 6, 174-184.	2.8	112
4	Reversible photo-controlled release of bovine serum albumin by azobenzene-containing cellulose nanofibrils-based hydrogel. <i>Advanced Composites and Hybrid Materials</i> , 2019, 2, 462-470.	21.1	41
5	Controllable organic magnetoresistance in polyaniline coated poly(p-phenylene-2,6-benzobisoxazole) short fibers. <i>Chemical Communications</i> , 2019, 55, 10068-10071.	4.1	84
6	Battery-type Electrode Materials for Sodium-ion Capacitors. <i>Batteries and Supercaps</i> , 2019, 2, 899-917.	4.7	29
7	Introducing advanced composites and hybrid materials. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 1-5.	21.1	57
8	Significantly enhanced energy density of magnetite/polypyrrole nanocomposite capacitors at high rates by low magnetic fields. <i>Advanced Composites and Hybrid Materials</i> , 2018, 1, 127-134.	21.1	73
9	An overview of lead-free piezoelectric materials and devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12446-12467.	5.5	256
10	Energy conversion technologies towards self-powered electrochemical energy storage systems: the state of the art and perspectives. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1873-1894.	10.3	113
11	Enhanced Negative Magnetoresistance with High Sensitivity of Polyaniline Interfaced with Nanotitania. <i>Journal of the Electrochemical Society</i> , 2016, 163, H664-H671.	2.9	14
12	Decomposition mechanisms of cured epoxy resins in near-critical water. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	5
13	Strengthened Magnetoresistive Epoxy Nanocomposite Papers Derived from Synergistic Nanomagnetite-Carbon Nanofiber Nanohybrids. <i>Advanced Materials</i> , 2015, 27, 6277-6282.	21.0	79
14	Multifunctional Carbon Nanostructures for Advanced Energy Storage Applications. <i>Nanomaterials</i> , 2015, 5, 755-777.	4.1	73
15	Polymer nanocomposites for energy storage, energy saving, and anticorrosion. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14929-14941.	10.3	201
16	Carboxyl Multiwalled Carbon Nanotube-Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. <i>ChemElectroChem</i> , 2015, 2, 559-570.	3.4	49
17	Transparent anhydride-cured epoxy nanocomposites reinforced with polyaniline stabilized nanosilica. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8152-8165.	5.5	45
18	Electropolymerized polypyrrole nanocomposites with cobalt oxide coated on carbon paper for electrochemical energy storage. <i>Polymer</i> , 2015, 67, 192-199.	3.8	93

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19	Preparation and enhanced properties of Fe ₃ O ₄ nanoparticles reinforced polyimide nanocomposites. Superlattices and Microstructures, 2015, 85, 305-320.	3.1	39
20	Multiwalled Carbon Nanotubes Compositied with Palladium Nanocatalysts for Highly Efficient Ethanol Oxidation. Journal of the Electrochemical Society, 2015, 162, F755-F763.	2.9	36
21	Carbon monolith with embedded mesopores and nanoparticles as a novel adsorbent for water treatment. RSC Advances, 2015, 5, 42540-42547.	3.6	17
22	Electrically Conductive Polypropylene Nanocomposites with Negative Permittivity at Low Carbon Nanotube Loading Levels. ACS Applied Materials & Interfaces, 2015, 7, 6125-6138.	8.0	153
23	Optimal Electrocatalytic Pd/MWNTs Nanocatalysts toward Formic Acid Oxidation. Electrochimica Acta, 2015, 184, 452-465.	5.2	27
24	Synthesis of Multifunctional Carbon Nanostructures. World Scientific Series on Carbon Nanoscience, 2015, , 89-126.	0.1	2
25	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
26	Multi-walled carbon nanotubes composited with nanomagnetite for anodes in lithium ion batteries. RSC Advances, 2015, 5, 7237-7244.	3.6	34
27	Polypyrrole doped epoxy resin nanocomposites with enhanced mechanical properties and reduced flammability. Journal of Materials Chemistry C, 2015, 3, 162-176.	5.5	88
28	Electropolymerized Polypyrrole Nanocoatings on Carbon Paper for Electrochemical Energy Storage. ChemElectroChem, 2015, 2, 119-126.	3.4	43
29	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
30	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. Journal of Materials Chemistry A, 2015, 3, 469-480.	10.3	334
31	Hyperbranched Polyester-stabilized Nanotitania-coated Vectran Fibers with Improved UV-blocking Performance. Macromolecular Materials and Engineering, 2015, 300, 64-69.	3.6	14
32	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
33	Formic acid oxidation reaction on a Pd _x Ni _y 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
34	Tungsten Trioxide/Zinc Tungstate Bilayers: Electrochromic Behaviors, Energy Storage and Electron Transfer. Electrochimica Acta, 2014, 132, 58-66.	5.2	80
35	Magnetocapacitance in magnetic microtubular carbon nanocomposites under external magnetic field. Nano Energy, 2014, 6, 180-192.	16.0	64
36	Magnetoconductive polymer-tungsten trioxide nanocomposites with ultrahigh sensitivity at low magnetic field. Polymer, 2014, 55, 944-950.	3.8	19

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37	Positive and negative magnetoresistance phenomena observed in magnetic electrospun polyacrylonitrile-based carbon nanocomposite fibers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 715-722.	5.5	34
38	Carbon Coating and Zn 2+ Doping of Magnetite Nanorods for Enhanced Electrochemical Energy Storage. <i>Electrochimica Acta</i> , 2014, 148, 118-126.	5.2	31
39	Mesoporous magnetic carbon nanocomposite fabrics for highly efficient Cr(VI) removal. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2256-2265.	10.3	140
40	Carbon-coated MnO microparticulate porous nanocomposites serving as anode materials with enhanced electrochemical performances. <i>Nano Energy</i> , 2014, 9, 41-49.	16.0	146
41	Pulsed laser deposited Ag nanoparticles on nickel hydroxide nanosheet arrays for highly sensitive surface-enhanced Raman scattering spectroscopy. <i>Applied Surface Science</i> , 2014, 316, 66-71.	6.1	19
42	Polyaniline coating on carbon fiber fabrics for improved hexavalent chromium removal. <i>RSC Advances</i> , 2014, 4, 29855.	3.6	118
43	Highly Monodisperse Sub-microspherical Poly(glycidyl methacrylate) Nanocomposites with Highly Stabilized Gold Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1098-1106.	2.2	13
44	One-pot in situ synthesized TiO ₂ /layered double hydroxides (LDHs) composites toward environmental remediation. <i>Materials Letters</i> , 2014, 114, 111-114.	2.6	28
45	One-step preparation of single-crystalline Fe ₂ O ₃ particles/graphene composite hydrogels as high performance anode materials for supercapacitors. <i>Nano Energy</i> , 2014, 7, 86-96.	16.0	380
46	Electrical transport and magnetoresistance in advanced polyaniline nanostructures and nanocomposites. <i>Polymer</i> , 2014, 55, 4405-4419.	3.8	78
47	Strain Sensitive Polyurethane Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. <i>Energy and Environment Focus</i> , 2014, 3, 85-93.	0.3	11
48	Anticorrosive conductive polyurethane multiwalled carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10805.	10.3	196
49	Hexavalent chromium synthesized polyaniline nanostructures: Magnetoresistance and electrochemical energy storage behaviors. <i>Polymer</i> , 2013, 54, 5974-5985.	3.8	36
50	Giant magnetoresistance in non-magnetic phosphoric acid doped polyaniline silicon nanocomposites with higher magnetic field sensing sensitivity. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10866.	2.8	36
51	Structural evolution and degradation mechanism of Vectran® fibers upon exposure to UV-radiation. <i>Polymer Degradation and Stability</i> , 2013, 98, 1744-1753.	5.8	30
52	Electrochromic polyaniline/graphite oxide nanocomposites with endured electrochemical energy storage. <i>Polymer</i> , 2013, 54, 1820-1831.	3.8	278
53	Electrocatalytic activity of multi-walled carbon nanotubes-supported PtPd catalysts prepared by a pyrolysis process toward ethanol oxidation reaction. <i>Electrochimica Acta</i> , 2013, 100, 147-156.	5.2	58
54	An overview of the magnetoresistance phenomenon in molecular systems. <i>Chemical Society Reviews</i> , 2013, 42, 5907.	38.1	94

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55	Magnetite@Polypyrrole Metacomposites: Dielectric Properties and Magnetoresistance Behavior. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10191-10202.	3.1	113
56	Silica Doped Nanopolyaniline with Endured Electrochemical Energy Storage and the Magnetic Field Effects. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13000-13010.	3.1	70
57	Multiwalled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, M3008-M3014.	1.8	17
58	Electrochemical Properties and Electrochromic Behaviors of the Sol-Gel Derived Tungsten Trioxide Thin Films. <i>Energy and Environment Focus</i> , 2013, 2, 112-120.	0.3	29
59	Electropolymerized Polyaniline Nanocomposites from Multi-Walled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. <i>Journal of the Electrochemical Society</i> , 2013, 160, G3038-G3045.	2.9	59
60	Electrochromic Poly(DNTD)/WO ₃ Nanocomposite Films via Electropolymerization. <i>Journal of Physical Chemistry C</i> , 2012, 116, 16286-16293.	3.1	55
61	Interfacial polymerized polyaniline/graphite oxide nanocomposites toward electrochemical energy storage. <i>Polymer</i> , 2012, 53, 5953-5964.	3.8	163
62	Electropolymerized Polyaniline Stabilized Tungsten Oxide Nanocomposite Films: Electrochromic Behavior and Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25052-25064.	3.1	218
63	Thermal stability, thermal decomposition and mechanism analysis of cycloaliphatic epoxy/4,4'-dihydroxydiphenylsulfone/aluminum complexes latent resin systems. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 1061-1067.	1.0	5
64	Hybrid Electrochromic Fluorescent Poly(DNTD)/CdSe@ZnS Composite Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4500-4510.	3.1	49