

Huige Wei

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65 papers	4,273 citations	37 h-index	65 g-index
68 ext. papers	4,712 ext. citations	7.3 avg, IF	5.34 L-index

#	Paper	IF	Citations
65	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	17.1	335
64	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 469-480	13	268
63	Electrochromic polyaniline/graphite oxide nanocomposites with endured electrochemical energy storage. <i>Polymer</i> , 2013 , 54, 1820-1831	3.9	246
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	3.8	194
61	Polymer nanocomposites for energy storage, energy saving, and anticorrosion. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14929-14941	13	165
60	An overview of lead-free piezoelectric materials and devices. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12446-12467	7.1	162
59	Anticorrosive conductive polyurethane multiwalled carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10805	13	152
58	Interfacial polymerized polyaniline/graphite oxide nanocomposites toward electrochemical energy storage. <i>Polymer</i> , 2012 , 53, 5953-5964	3.9	148
57	Electrically conductive polypropylene nanocomposites with negative permittivity at low carbon nanotube loading levels. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 6125-38	9.5	134
56	Carbon-coated MnO microparticulate porous nanocomposites serving as anode materials with enhanced electrochemical performances. <i>Nano Energy</i> , 2014 , 9, 41-49	17.1	131
55	Mesoporous magnetic carbon nanocomposite fabrics for highly efficient Cr(VI) removal. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2256-2265	13	127
54	Polyaniline coating on carbon fiber fabrics for improved hexavalent chromium removal. <i>RSC Advances</i> , 2014 , 4, 29855	3.7	106
53	Magnetite/Bolypyrrole Metacomposites: Dielectric Properties and Magnetoresistance Behavior. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10191-10202	3.8	104
52	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. <i>ChemNanoMat</i> , 2020 , 6, 174-184	3.5	89
51	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	13	88
50	An overview of the magnetoresistance phenomenon in molecular systems. <i>Chemical Society Reviews</i> , 2013 , 42, 5907-43	58.5	82
49	Controllable organic magnetoresistance in polyaniline coated poly(p-phenylene-2,6-benzobisoxazole) short fibers. <i>Chemical Communications</i> , 2019 , 55, 10068-10071	5.8	79

48	Electropolymerized polypyrrole nanocomposites with cobalt oxide coated on carbon paper for electrochemical energy storage. <i>Polymer</i> , 2015 , 67, 192-199	3.9	78
47	Tungsten Trioxide/Zinc Tungstate Bilayers: Electrochromic Behaviors, Energy Storage and Electron Transfer. <i>Electrochimica Acta</i> , 2014 , 132, 58-66	6.7	75
46	Polypyrrole doped epoxy resin nanocomposites with enhanced mechanical properties and reduced flammability. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 162-176	7.1	74
45	Electrical transport and magnetoresistance in advanced polyaniline nanostructures and nanocomposites. <i>Polymer</i> , 2014 , 55, 4405-4419	3.9	71
44	Strengthened Magnetoresistive Epoxy Nanocomposite Papers Derived from Synergistic Nanomagnetite-Carbon Nanofiber Nanohybrids. <i>Advanced Materials</i> , 2015 , 27, 6277-82	24	65
43	Silica Doped Nanopolyaniline with Endured Electrochemical Energy Storage and the Magnetic Field Effects. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13000-13010	3.8	62
42	Multifunctional Carbon Nanostructures for Advanced Energy Storage Applications. <i>Nanomaterials</i> , 2015 , 5, 755-777	5.4	60
41	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	8.7	59
40	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	3.9	56
39	Magnetocapacitance in magnetic microtubular carbon nanocomposites under external magnetic field. <i>Nano Energy</i> , 2014 , 6, 180-192	17.1	53
38	Electropolymerized polyaniline/manganese iron oxide hybrids with an enhanced color switching response and electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20778-20790	13	52
37	Electrochromic Poly(DNTD)/WO ₃ Nanocomposite Films via Electropolymerization. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16286-16293	3.8	50
36	Electrochemical energy storage by polyaniline nanofibers: high gravity assisted oxidative polymerization vs. rapid mixing chemical oxidative polymerization. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 1498-502	3.6	49
35	Electrocatalytic activity of multi-walled carbon nanotubes-supported Pt _x Pd _y catalysts prepared by a pyrolysis process toward ethanol oxidation reaction. <i>Electrochimica Acta</i> , 2013 , 100, 147-156	6.7	49
34	Hybrid Electrochromic Fluorescent Poly(DNTD)/ Composite Films. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4500-4510	3.8	48
33	Carboxyl Multiwalled Carbon-Nanotube-Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. <i>ChemElectroChem</i> , 2015 , 2, 559-570	4.3	46
32	Transparent anhydride-cured epoxy nanocomposites reinforced with polyaniline stabilized nanosilica. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8152-8165	7.1	43
31	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. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 7326-7337	6.7	43

30	Polypyrrole/reduced graphene aerogel film for wearable piezoresistive sensors with high sensing performances. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 86-95	8.7	43
29	Electropolymerized Polypyrrole Nanocoatings on Carbon Paper for Electrochemical Energy Storage. <i>ChemElectroChem</i> , 2015 , 2, 119-126	4.3	38
28	Hexavalent chromium synthesized polyaniline nanostructures: Magnetoresistance and electrochemical energy storage behaviors. <i>Polymer</i> , 2013 , 54, 5974-5985	3.9	35
27	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, 10866-75	3.6	35
26	Multi-walled carbon nanotubes composited with nanomagnetite for anodes in lithium ion batteries. <i>RSC Advances</i> , 2015 , 5, 7237-7244	3.7	34
25	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	7.1	33
24	Multiwalled Carbon Nanotubes Composited with Palladium Nanocatalysts for Highly Efficient Ethanol Oxidation. <i>Journal of the Electrochemical Society</i> , 2015 , 162, F755-F763	3.9	31
23	Carbon Coating and Zn 2+ Doping of Magnetite Nanorods for Enhanced Electrochemical Energy Storage. <i>Electrochimica Acta</i> , 2014 , 148, 118-126	6.7	28
22	Electrochemical Properties and Electrochromic Behaviors of the Sol-Gel Derived Tungsten Trioxide Thin Films. <i>Energy and Environment Focus</i> , 2013 , 2, 112-120		28
21	Preparation and enhanced properties of Fe ₃ O ₄ nanoparticles reinforced polyimide nanocomposites. <i>Superlattices and Microstructures</i> , 2015 , 85, 305-320	2.8	26
20	One-pot in situ synthesized TiO ₂ /layered double hydroxides (LDHs) composites toward environmental remediation. <i>Materials Letters</i> , 2014 , 114, 111-114	3.3	25
19	Optimal Electrocatalytic Pd/MWNTs Nanocatalysts toward Formic Acid Oxidation. <i>Electrochimica Acta</i> , 2015 , 184, 452-465	6.7	24
18	Synergistic Interactions between Activated Carbon Fabrics and Toxic Hexavalent Chromium. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, M1-M9	2	24
17	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	8.7	21
16	Structural evolution and degradation mechanism of Vectran® fibers upon exposure to UV-radiation. <i>Polymer Degradation and Stability</i> , 2013 , 98, 1744-1753	4.7	20
15	Magnetoresistive conductive polymer-tungsten trioxide nanocomposites with ultrahigh sensitivity at low magnetic field. <i>Polymer</i> , 2014 , 55, 944-950	3.9	19
14	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. <i>ACS Sensors</i> , 2021 , 6, 2938-2951	9.2	18
13	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	6.7	17

12	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	2	17
11	Battery-Type Electrode Materials for Sodium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2019 , 2, 899-917	5.6	16
10	Carbon monolith with embedded mesopores and nanoparticles as a novel adsorbent for water treatment. <i>RSC Advances</i> , 2015 , 5, 42540-42547	3.7	15
9	Highly Monodisperse Sub-microspherical Poly(glycidyl methacrylate) Nanocomposites with Highly Stabilized Gold Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 1098-1106	2.6	13
8	Enhanced Negative Magnetoresistance with High Sensitivity of Polyaniline Interfaced with Nanotitania. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H664-H671	3.9	12
7	Strain Sensitive Polyurethane Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. <i>Energy and Environment Focus</i> , 2014 , 3, 85-93		11
6	Hyperbranched Polyester-Stabilized Nanotitania-Coated Vectran Fibers with Improved UV-Blocking Performance. <i>Macromolecular Materials and Engineering</i> , 2015 , 300, 64-69	3.9	10
5	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	3
4	Decomposition mechanisms of cured epoxy resins in near-critical water. <i>Journal of Applied Polymer Science</i> , 2014 , 132, n/a-n/a	2.9	2
3	Synthesis of Multifunctional Carbon Nanostructures. <i>World Scientific Series on Carbon Nanoscience</i> , 2015 , 89-126	0.5	1
2	Electrochromic Materials and Devices: Fundamentals and Nanostructuring Approaches 2018 , 231-270		0
1	Multifunctional Nanocomposites for Environmental Remediation 2014 , 71-84		