

# Huige Wei

## List of Publications by Year in Descending Order

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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	Solution-Processable Conductive Composite Hydrogels with Multiple Synergetic Networks toward Wearable Pressure/Strain Sensors. <i>ACS Sensors</i> , <b>2021</b> , 6, 2938-2951	9.2	18
64	Polypyrrole/reduced graphene aerogel film for wearable piezoresistive sensors with high sensing performances. <i>Advanced Composites and Hybrid Materials</i> , <b>2021</b> , 4, 86-95	8.7	43
63	Multifunctions of Polymer Nanocomposites: Environmental Remediation, Electromagnetic Interference Shielding, And Sensing Applications. <i>ChemNanoMat</i> , <b>2020</b> , 6, 174-184	3.5	89
62	Reversible photo-controlled release of bovine serum albumin by azobenzene-containing cellulose nanofibrils-based hydrogel. <i>Advanced Composites and Hybrid Materials</i> , <b>2019</b> , 2, 462-470	8.7	21
61	Controllable organic magnetoresistance in polyaniline coated poly(p-phenylene-2,6-benzobisoxazole) short fibers. <i>Chemical Communications</i> , <b>2019</b> , 55, 10068-10071	5.8	79
60	Battery-Type Electrode Materials for Sodium-Ion Capacitors. <i>Batteries and Supercaps</i> , <b>2019</b> , 2, 899-917	5.6	16
59	Electrochromic Materials and Devices: Fundamentals and Nanostructuring Approaches <b>2018</b> , 231-270		0
58	Significantly enhanced energy density of magnetite/polypyrrole nanocomposite capacitors at high rates by low magnetic fields. <i>Advanced Composites and Hybrid Materials</i> , <b>2018</b> , 1, 127-134	8.7	59
57	An overview of lead-free piezoelectric materials and devices. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12446-12467	7.1	162
56	Energy conversion technologies towards self-powered electrochemical energy storage systems: the state of the art and perspectives. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 1873-1894	13	88
55	Enhanced Negative Magnetoresistance with High Sensitivity of Polyaniline Interfaced with Nanotitanium. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, H664-H671	3.9	12
54	Transparent anhydride-cured epoxy nanocomposites reinforced with polyaniline stabilized nanosilica. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8152-8165	7.1	43
53	Electropolymerized polypyrrole nanocomposites with cobalt oxide coated on carbon paper for electrochemical energy storage. <i>Polymer</i> , <b>2015</b> , 67, 192-199	3.9	78
52	Preparation and enhanced properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles reinforced polyimide nanocomposites. <i>Superlattices and Microstructures</i> , <b>2015</b> , 85, 305-320	2.8	26
51	Multiwalled Carbon Nanotubes Compositing with Palladium Nanocatalysts for Highly Efficient Ethanol Oxidation. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F755-F763	3.9	31
50	Carbon monolith with embedded mesopores and nanoparticles as a novel adsorbent for water treatment. <i>RSC Advances</i> , <b>2015</b> , 5, 42540-42547	3.7	15
49	Electrically conductive polypropylene nanocomposites with negative permittivity at low carbon nanotube loading levels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6125-38	9.5	134

48	Optimal Electrocatalytic Pd/MWNTs Nanocatalysts toward Formic Acid Oxidation. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 452-465	6.7	24
47	Synthesis of Multifunctional Carbon Nanostructures. <i>World Scientific Series on Carbon Nanoscience</i> , <b>2015</b> , 89-126	0.5	1
46	Electropolymerized polyaniline/manganese iron oxide hybrids with an enhanced color switching response and electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20778-20790	13	52
45	Multi-walled carbon nanotubes composited with nanomagnetite for anodes in lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 7237-7244	3.7	34
44	Polypyrrole doped epoxy resin nanocomposites with enhanced mechanical properties and reduced flammability. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 162-176	7.1	74
43	Electropolymerized Polypyrrole Nanocoatings on Carbon Paper for Electrochemical Energy Storage. <i>ChemElectroChem</i> , <b>2015</b> , 2, 119-126	4.3	38
42	Electrochemical energy storage by polyaniline nanofibers: high gravity assisted oxidative polymerization vs. rapid mixing chemical oxidative polymerization. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1498-502	3.6	49
41	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 469-480	13	268
40	Hyperbranched Polyester-Stabilized Nanotitania-Coated Vectran Fibers with Improved UV-Blocking Performance. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 64-69	3.9	10
39	Strengthened Magnetoresistive Epoxy Nanocomposite Papers Derived from Synergistic Nanomagnetite-Carbon Nanofiber Nanohybrids. <i>Advanced Materials</i> , <b>2015</b> , 27, 6277-82	24	65
38	Multifunctional Carbon Nanostructures for Advanced Energy Storage Applications. <i>Nanomaterials</i> , <b>2015</b> , 5, 755-777	5.4	60
37	Polymer nanocomposites for energy storage, energy saving, and anticorrosion. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14929-14941	13	165
36	Carboxyl Multiwalled Carbon-Nanotube-Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. <i>ChemElectroChem</i> , <b>2015</b> , 2, 559-570	4.3	46
35	Tungsten Trioxide/Zinc Tungstate Bilayers: Electrochromic Behaviors, Energy Storage and Electron Transfer. <i>Electrochimica Acta</i> , <b>2014</b> , 132, 58-66	6.7	75
34	Magnetocapacitance in magnetic microtubular carbon nanocomposites under external magnetic field. <i>Nano Energy</i> , <b>2014</b> , 6, 180-192	17.1	53
33	Magnetoresistive conductive polymer-tungsten trioxide nanocomposites with ultrahigh sensitivity at low magnetic field. <i>Polymer</i> , <b>2014</b> , 55, 944-950	3.9	19
32	Decomposition mechanisms of cured epoxy resins in near-critical water. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 132, n/a-n/a	2.9	2
31	Positive and negative magnetoresistance phenomena observed in magnetic electrospun polyacrylonitrile-based carbon nanocomposite fibers. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 715-722	7.1	33

30	Carbon Coating and Zn 2+ Doping of Magnetite Nanorods for Enhanced Electrochemical Energy Storage. <i>Electrochimica Acta</i> , <b>2014</b> , 148, 118-126	6.7	28
29	Mesoporous magnetic carbon nanocomposite fabrics for highly efficient Cr(VI) removal. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 2256-2265	13	127
28	Carbon-coated MnO microparticulate porous nanocomposites serving as anode materials with enhanced electrochemical performances. <i>Nano Energy</i> , <b>2014</b> , 9, 41-49	17.1	131
27	Pulsed laser deposited Ag nanoparticles on nickel hydroxide nanosheet arrays for highly sensitive surface-enhanced Raman scattering spectroscopy. <i>Applied Surface Science</i> , <b>2014</b> , 316, 66-71	6.7	17
26	Polyaniline coating on carbon fiber fabrics for improved hexavalent chromium removal. <i>RSC Advances</i> , <b>2014</b> , 4, 29855	3.7	106
25	Highly Monodisperse Sub-microspherical Poly(glycidyl methacrylate) Nanocomposites with Highly Stabilized Gold Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 1098-1106	2.6	13
24	One-pot in situ synthesized TiO <sub>2</sub> /layered double hydroxides (LDHs) composites toward environmental remediation. <i>Materials Letters</i> , <b>2014</b> , 114, 111-114	3.3	25
23	One-step preparation of single-crystalline Fe <sub>2</sub> O <sub>3</sub> particles/graphene composite hydrogels as high performance anode materials for supercapacitors. <i>Nano Energy</i> , <b>2014</b> , 7, 86-96	17.1	335
22	Electrical transport and magnetoresistance in advanced polyaniline nanostructures and nanocomposites. <i>Polymer</i> , <b>2014</b> , 55, 4405-4419	3.9	71
21	Strain Sensitive Polyurethane Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. <i>Energy and Environment Focus</i> , <b>2014</b> , 3, 85-93		11
20	Multifunctional Nanocomposites for Environmental Remediation <b>2014</b> , 71-84		
19	Synergistic Interactions between Activated Carbon Fabrics and Toxic Hexavalent Chromium. <i>ECS Journal of Solid State Science and Technology</i> , <b>2014</b> , 3, M1-M9	2	24
18	Formic acid oxidation reaction on a Pd <sub>x</sub> Ni <sub>y</sub> bimetallic nanoparticle catalyst prepared by a thermal decomposition process using ionic liquids as the solvent. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 7326-7337	6.7	43
17	Anticorrosive conductive polyurethane multiwalled carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 10805	13	152
16	Hexavalent chromium synthesized polyaniline nanostructures: Magnetoresistance and electrochemical energy storage behaviors. <i>Polymer</i> , <b>2013</b> , 54, 5974-5985	3.9	35
15	Giant magnetoresistance in non-magnetic phosphoric acid doped polyaniline silicon nanocomposites with higher magnetic field sensing sensitivity. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 10866-75	3.6	35
14	Structural evolution and degradation mechanism of Vectran® fibers upon exposure to UV-radiation. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 1744-1753	4.7	20
13	Electrochromic polyaniline/graphite oxide nanocomposites with endured electrochemical energy storage. <i>Polymer</i> , <b>2013</b> , 54, 1820-1831	3.9	246

12	Electrocatalytic activity of multi-walled carbon nanotubes-supported Pt <sub>x</sub> Pd <sub>y</sub> catalysts prepared by a pyrolysis process toward ethanol oxidation reaction. <i>Electrochimica Acta</i> , <b>2013</b> , 100, 147-156	6.7	49
11	An overview of the magnetoresistance phenomenon in molecular systems. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 5907-43	58.5	82
10	Magnetite@Polypyrrole Metacomposites: Dielectric Properties and Magnetoresistance Behavior. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 10191-10202	3.8	104
9	Silica Doped Nanopolyaniline with Endured Electrochemical Energy Storage and the Magnetic Field Effects. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13000-13010	3.8	62
8	Multiwalled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. <i>ECS Journal of Solid State Science and Technology</i> , <b>2013</b> , 2, M3008-M3014	2	17
7	Electrochemical Properties and Electrochromic Behaviors of the Sol-Gel Derived Tungsten Trioxide Thin Films. <i>Energy and Environment Focus</i> , <b>2013</b> , 2, 112-120		28
6	Electropolymerized Polyaniline Nanocomposites from Multi-Walled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, G3038-G3045	3.9	56
5	Electrochromic Poly(DNTD)/WO <sub>3</sub> Nanocomposite Films via Electropolymerization. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 16286-16293	3.8	50
4	Interfacial polymerized polyaniline/graphite oxide nanocomposites toward electrochemical energy storage. <i>Polymer</i> , <b>2012</b> , 53, 5953-5964	3.9	148
3	Electropolymerized Polyaniline Stabilized Tungsten Oxide Nanocomposite Films: Electrochromic Behavior and Electrochemical Energy Storage. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 25052-25064	3.8	194
2	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> , <b>2012</b> , 27, 1061-1067	1	3
1	Hybrid Electrochromic Fluorescent Poly(DNTD)/[email protected] Composite Films. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 4500-4510	3.8	48