

# Wenzhi Zhang

## List of Publications by Year in descending order

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77  
papers

2,830  
citations

159358

30  
h-index

182168

51  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced microwave absorption performances of polyaniline/graphene aerogel by covalent bonding. <i>Composites Part B: Engineering</i> , 2019, 169, 221-228.	5.9	284
2	Facile design of 3D hierarchical NiFe <sub>2</sub> O <sub>4</sub> /N-GN/ZnO composite as a high performance electromagnetic wave absorber. <i>Chemical Engineering Journal</i> , 2019, 375, 121942.	6.6	197
3	Conducting polymer coated metal-organic framework nanoparticles: Facile synthesis and enhanced electromagnetic absorption properties. <i>Synthetic Metals</i> , 2017, 228, 18-24.	2.1	179
4	Fabrication of flower-like Ni <sub>0.5</sub> Co <sub>0.5</sub> (OH) <sub>2</sub> @PANI and its enhanced microwave absorption performances. <i>Materials Research Bulletin</i> , 2018, 98, 59-63.	2.7	127
5	Synthesis of hierarchical core-shell NiFe <sub>2</sub> O <sub>4</sub> @MnO <sub>2</sub> composite microspheres decorated graphene nanosheet for enhanced microwave absorption performance. <i>Ceramics International</i> , 2017, 43, 11367-11375.	2.3	100
6	Synthesis and electromagnetic properties of La-doped Ni <sup>2+</sup> /Zn ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 398, 90-95.	1.0	91
7	Nano nickel oxide coated graphene/polyaniline composite film with high electrochemical performance for flexible supercapacitor. <i>Electrochimica Acta</i> , 2016, 211, 1066-1075.	2.6	84
8	A flexible asymmetric fibered-supercapacitor based on unique Co <sub>3</sub> O <sub>4</sub> @PPy core-shell nanorod arrays electrode. <i>Chemical Engineering Journal</i> , 2017, 327, 193-201.	6.6	71
9	Fabrication of biomass-derived carbon decorated with NiFe <sub>2</sub> O <sub>4</sub> particles for broadband and strong microwave absorption. <i>Powder Technology</i> , 2019, 345, 370-378.	2.1	69
10	Synthesis and high-performance microwave absorption of graphene foam/polyaniline nanorods. <i>Materials Letters</i> , 2016, 165, 71-74.	1.3	61
11	Synthesis of ferromagnetic sandwich FeCo@graphene@PPy and enhanced electromagnetic wave absorption properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 443, 358-365.	1.0	60
12	3D heterostructure of graphene@Fe <sub>3</sub> O <sub>4</sub> @WO <sub>3</sub> @PANI: Preparation and excellent microwave absorption performance. <i>Synthetic Metals</i> , 2017, 231, 7-14.	2.1	59
13	Hierarchical ZnFe <sub>2</sub> O <sub>4</sub> @RGO@CuS composite: Strong absorption and wide-frequency absorption properties. <i>Ceramics International</i> , 2018, 44, 9816-9822.	2.3	58
14	Metal-organic framework nanoparticles decorated with graphene: A high-performance electromagnetic wave absorber. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 226-230.	1.0	54
15	Structure, stability and electrochromic properties of polyaniline film covalently bonded to indium tin oxide substrate. <i>Applied Surface Science</i> , 2016, 367, 542-551.	3.1	54
16	Flexible carbon cloth based solid-state supercapacitor from hierarchical holothurian-morphological NiCo <sub>2</sub> O <sub>4</sub> @NiMoO <sub>4</sub> /PANI. <i>Electrochimica Acta</i> , 2019, 320, 134578.	2.6	49
17	Synthesis of polyaniline nanorods and Fe <sub>3</sub> O <sub>4</sub> microspheres on graphene nanosheets and enhanced microwave absorption performances. <i>Materials Chemistry and Physics</i> , 2018, 209, 23-30.	2.0	48
18	Fabrication of MoS <sub>2</sub> -graphene modified with Fe <sub>3</sub> O <sub>4</sub> particles and its enhanced microwave absorption performance. <i>Advanced Powder Technology</i> , 2018, 29, 744-750.	2.0	48

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19	Facile synthesis of Ni/PANI/RGO composites and their excellent electromagnetic wave absorption properties. <i>Synthetic Metals</i> , 2015, 210, 165-170.	2.1	47
20	Synthesis of hierarchical CuS/RGO/PANI/Fe <sub>3</sub> O <sub>4</sub> quaternary composite and enhanced microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2018, 757, 372-381.	2.8	47
21	Design of hollow ZnFe <sub>2</sub> O <sub>4</sub> microspheres@graphene decorated with TiO <sub>2</sub> nanosheets as a high-performance low frequency absorber. <i>Materials Chemistry and Physics</i> , 2017, 202, 184-189.	2.0	45
22	Hydrothermal synthesis of Polypyrrole/MoS <sub>2</sub> intercalation composites for supercapacitor electrodes. <i>Ceramics International</i> , 2017, 43, 9877-9883.	2.3	44
23	One-pot synthesis of MnFe <sub>2</sub> O <sub>4</sub> nanoparticles-decorated reduced graphene oxide for enhanced microwave absorption properties. <i>Materials Technology</i> , 2017, 32, 32-37.	1.5	42
24	Synthesis, characterization and enhanced electromagnetic properties of NiFe <sub>2</sub> O <sub>4</sub> @SiO <sub>2</sub> -decorated reduced graphene oxide nanosheets. <i>Ceramics International</i> , 2016, 42, 17374-17381.	2.3	38
25	Enhanced Electrochemical Performance by Strongly Anchoring Highly Crystalline Polyaniline on Multiwalled Carbon Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 43939-43949.	4.0	38
26	Facile synthesis of a novel flower-like BiFeO <sub>3</sub> microspheres/graphene with superior electromagnetic wave absorption performances. <i>Ceramics International</i> , 2019, 45, 3325-3332.	2.3	37
27	Superparamagnetic FeCo@SnO <sub>2</sub> nanoparticles on graphene-polyaniline: Synthesis and enhanced electromagnetic wave absorption properties. <i>Ceramics International</i> , 2016, 42, 12496-12502.	2.3	36
28	Fabrication and high-performance microwave absorption of Ni@SnO <sub>2</sub> @PPy Core-Shell composite. <i>Synthetic Metals</i> , 2016, 220, 347-355.	2.1	36
29	Nanorod structure of Polypyrrole-covered MoO <sub>3</sub> for supercapacitors with excellent cycling stability. <i>Materials Letters</i> , 2016, 182, 121-124.	1.3	34
30	Hydrogen bonding of graphene/polyaniline composites film for solid electrochromic devices. <i>Synthetic Metals</i> , 2016, 212, 1-11.	2.1	34
31	Enhanced electrochemical performance of hydrogen-bonded graphene/polyaniline for electrochromo-supercapacitor. <i>Journal of Materials Science</i> , 2016, 51, 7731-7741.	1.7	29
32	Synthesis and electromagnetic absorption properties of Ag-coated reduced graphene oxide with MnFe <sub>2</sub> O <sub>4</sub> particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 404, 58-63.	1.0	29
33	High-Performance Layer-by-Layer Self-Assembly PANI/GQD-rGO/CFC Electrodes for a Flexible Solid-State Supercapacitor by a Facile Spraying Technique. <i>ACS Applied Energy Materials</i> , 2019, 2, 1077-1085.	2.5	29
34	Preparation and self-healing behaviors of poly(acrylic acid)/cerium ions double network hydrogels. <i>Macromolecular Research</i> , 2015, 23, 1098-1102.	1.0	28
35	Fabrication and enhanced electromagnetic wave absorption properties of sandwich-like graphene@NiO@PANI decorated with Ag particles. <i>Synthetic Metals</i> , 2017, 229, 82-88.	2.1	28
36	Temperature-Sensitive Phase Transition of Dendritic Polyethylene Amphiphiles with Core-Shell Architecture Revealed by a Rayleigh Scattering Technique. <i>Langmuir</i> , 2010, 26, 5801-5807.	1.6	27

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37	Enhanced Electronic Communication and Electrochemical Sensitivity Benefiting from the Cooperation of Quadruple Hydrogen Bonding and $\pi$ - $\pi$ Interactions in Graphene/Multi-Walled Carbon Nanotube Hybrids. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6255-6264.	4.0	25
38	Conducting polymer/silver nanowires stacking composite films for high-performance electrochromic devices. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109919.	3.0	25
39	A self-healable asymmetric fibered-supercapacitor integrated in self-supported inorganic nanosheets array and conducting polymer electrodes. <i>Chemical Engineering Journal</i> , 2018, 352, 423-430.	6.6	23
40	A novel inorganic-conductive polymer core-sheath nanowire arrays as bendable electrode for advanced electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2019, 358, 1464-1470.	6.6	22
41	A high performance asymmetric supercapacitor based on carbon fiber coated with $MgCo_2O_4$ nanobrush. <i>Materials Letters</i> , 2017, 206, 71-74.	1.3	21
42	Highly flexible and large areal/volumetric capacitances for asymmetric supercapacitor based on $ZnCo_2O_4$ nanorods arrays and polypyrrole on carbon cloth as binder-free electrodes. <i>Materials Letters</i> , 2019, 234, 1-4.	1.3	21
43	Graphene quantum dot-assisted preparation of water-borne reduced graphene oxide/polyaniline: From composite powder to layer-by-layer self-assembly film and performance enhancement. <i>Electrochimica Acta</i> , 2019, 295, 29-38.	2.6	20
44	High flexibility and large energy density asymmetric fibered-supercapacitor based on unique $NiCo_2O_4@MnO_2$ core-shell nanobrush arrays electrode. <i>Electrochimica Acta</i> , 2019, 295, 532-539.	2.6	20
45	Facile synthesis of hollow cube-like $ZnSnO_3$ wrapped by nitrogen-doped graphene: As a high-performance and enhanced synergistic microwave absorber. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 486, 165251.	1.0	19
46	A novel and facile step-by-step hydrothermal fabrication of peony-like $Ni_{0.4}Co_{0.6}(OH)_2$ supported on carbon fiber cloth as flexible electrodes for advanced electrochemical energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 325-332.	3.0	18
47	Supramolecular self-assembly of layer-by-layer graphene film driven by the synergism of $\pi$ - $\pi$ and hydrogen bonding interaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 249-255.	2.0	18
48	Aniline oligomer-modified graphene for enhanced electrochemical performances. <i>Synthetic Metals</i> , 2018, 243, 107-114.	2.1	18
49	Wide potential window and high capacitance for flexible asymmetric supercapacitor based on $Cu_2Se$ nanobrush and hydrangea-like $NiCo_2O_4$ microspheres. <i>Chemical Engineering Journal</i> , 2018, 354, 346-350.	6.6	18
50	High-performance polythiothene film covalently bonded to ITO electrode: Synthesis and electrochromic properties. <i>Solar Energy Materials and Solar Cells</i> , 2018, 177, 15-22.	3.0	16
51	Highly sensitive and well reproducible Surface-enhanced Raman spectroscopy from silver triangular platelets. <i>Talanta</i> , 2016, 161, 599-605.	2.9	14
52	Quantitative Description of Aggregation and Dissociation of Polystyrene Chains in Cyclohexane Solutions by Resonance Light Scattering Technique. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1301-1306.	1.2	12
53	Preparation of all-solid-state supercapacitor integrated with energy level indicating functionality. <i>Synthetic Metals</i> , 2016, 220, 494-501.	2.1	12
54	Dissecting terminal fluorinated regulator of liquid crystals for fine-tuning intermolecular interaction and molecular configuration. <i>Journal of Molecular Liquids</i> , 2020, 310, 113225.	2.3	12

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55	Pulsed electrodeposition of nanostructured polythiothene film for high-performance electrochromic devices. <i>Solar Energy Materials and Solar Cells</i> , 2021, 219, 110775.	3.0	12
56	Outstanding performance supercapacitor based on the ternary graphene-silver-polypyrrole hybrid nanocomposite from 45 to 80 °C. <i>Materials Chemistry and Physics</i> , 2018, 206, 259-269.	2.0	11
57	Ru(II)(tpy) <sub>2</sub> -functionalized hydrogels: Synthesis, reversible responsiveness, and coupling with the belousov-zhabotinsky reaction. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2214-2222.	2.5	10
58	High-performance electrochromic device based on polythiothene/poly(3-thiophene boronic acid) bilayer film. <i>Organic Electronics</i> , 2019, 75, 105373.	1.4	10
59	Unclogging electron-transporting channels via self-assembly for improving light harvesting and stability of dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2019, 299, 518-530.	2.6	10
60	Flexible Solid PANI Fiber Networks/Ni-MOF@CC Electrodes for High-Performance Capacitors: Synthesis and Stability Study. <i>ChemistrySelect</i> , 2020, 5, 10656-10662.	0.7	10
61	Acid-base co-sensitization strategy for highly efficient dye-sensitized solar cells. <i>Optical Materials</i> , 2021, 121, 111528.	1.7	10
62	Flexible 3D hierarchical porous NiCo <sub>2</sub> O <sub>4</sub> /CC electrode decorated by nitrogen-doped carbon from polyaniline carbonization for high-performance supercapacitors. <i>Journal of Materials Science</i> , 2020, 55, 5982-5993.	1.7	9
63	Morphology and electrochromic properties of nanostructured polyterthiophene films formed by different deposition modes. <i>Solar Energy Materials and Solar Cells</i> , 2021, 230, 111269.	3.0	9
64	A highly selective electrochemical sensor for nifedipine based on layer-by-layer assembly films from polyaniline and multiwalled carbon nanotube. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	8
65	Quantitative description of aggregation and dissociation of poly (vinyl methyl ether)/poly (2-ethyl-2-oxazoline) chains in water by novel elastic light scattering spectroscopy. <i>Polymer Bulletin</i> , 2014, 71, 243-260.	1.7	7
66	Preparation of C@PPy/TiN nanocomposite with excellent cycling stability via a one-step hydrothermal method. <i>Ceramics International</i> , 2016, 42, 15077-15080.	2.3	7
67	The effect of intermolecular actions on the mesomorphic properties of alkenoxy biphenyl-based liquid crystals. <i>Journal of Molecular Liquids</i> , 2019, 296, 111880.	2.3	7
68	Enhanced performance and stability of electrochromic device based on poly (3-methylthiophene) using 2-thiophenecarboxylic acid as interfacial modifier. <i>Materials Research Bulletin</i> , 2018, 107, 111-117.	2.7	5
69	Exploring the influence of benzene ring incorporation in the backbone on electrochromic performance of polythiophene. <i>Materials Research Bulletin</i> , 2022, 149, 111722.	2.7	5
70	Phase transformation of tetraethyleneglycol dodecyl ether solution studied by light scattering spectra: Micelle aggregation, vesicle and lamellar phase. <i>Journal of Molecular Structure</i> , 2011, 987, 91-100.	1.8	4
71	Highly stable covalently-bonded organic-inorganic materials: Synthesis and electrochromic properties. <i>Organic Electronics</i> , 2017, 41, 114-117.	1.4	4
72	Core-shell porphyrin-multi-walled carbon nanotube hybrids linked by multiple hydrogen bonds: nanostructure and electronic communication. <i>Journal of Materials Science</i> , 2018, 53, 10835-10845.	1.7	4

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73	Bleaching and coloration kinetics of electrochromic device based on PT/EG/AgNWs composite film. Solar Energy Materials and Solar Cells, 2020, 215, 110673.	3.0	4
74	Competitive mechanism of poly(ethylene glycol) with poly(vinyl methyl ether) in complexing water molecules revealed with elastic light scattering spectroscopy. Polymer Bulletin, 2012, 68, 425-440.	1.7	3
75	Free-standing aniline oligomer functionalized multiwalled carbon nanotube films from a filtration method. Journal of Applied Polymer Science, 2014, 131, .	1.3	2
76	Deposition of nickel hydroxide on water-dispersible multi-walled carbon nanotubes for enhanced electrochemical performance. Synthetic Metals, 2019, 256, 116152.	2.1	2
77	Nano-, helical conducting poly(3-methylthiophene) prepared by one-step electro-deposition using cholesteric liquid crystal and anodic aluminum oxide as dual templates. Journal of Molecular Liquids, 2021, 322, 114974.	2.3	2