Wenzhi Zhang

List of Publications by Year
in descending order

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77	2,830	159358	182168
papers	citations	30 h-index	51 g-index

77	77	77	2950
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring the influence of benzene ring incorporation in the backbone on electrochromic performance of polythiophene. Materials Research Bulletin, 2022, 149, 111722.	2.7	5
2	Pulsed electrodeposition of nanostructured polythiothene film for high-performance electrochromic devices. Solar Energy Materials and Solar Cells, 2021, 219, 110775.	3.0	12
3	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
4	Morphology and electrochromic properties of nanostructured polyterthiophene films formed by different deposition modes. Solar Energy Materials and Solar Cells, 2021, 230, 111269.	3.0	9
5	Acid@base co-sensitization strategy for highly efficient dye-sensitized solar cells. Optical Materials, 2021, 121, 111528.	1.7	10
6	Flexible Solid PANI Fiber Networks/Niâ€MOF@CC Electrodes for Highâ€Performance Capacitors: Synthesis and Stability Study. ChemistrySelect, 2020, 5, 10656-10662.	0.7	10
7	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
8	Flexible 3D hierarchical porous NiCo2O4/CC electrode decorated by nitrogen-doped carbon from polyaniline carbonization for high-performance supercapacitors. Journal of Materials Science, 2020, 55, 5982-5993.	1.7	9
9	Dissecting terminal fluorinated regulator of liquid crystals for fine-tuning intermolecular interaction and molecular configuration. Journal of Molecular Liquids, 2020, 310, 113225.	2.3	12
10	High-performance electrochromic device based on polythiothene/poly(3-thiophene boronic acid) bilayer film. Organic Electronics, 2019, 75, 105373.	1.4	10
11	Flexible carbon cloth based solid-state supercapacitor from hierarchical holothurian-morphological NiCo2O4@NiMoO4/PANI. Electrochimica Acta, 2019, 320, 134578.	2.6	49
12	The effect of intermolecular actions on the mesomorphic properties of alkenoxy biphenyl-based liquid crystals. Journal of Molecular Liquids, 2019, 296, 111880.	2.3	7
13	Deposition of nickel hydroxide on water-dispersible multi-walled carbon nanotubes for enhanced electrochemical performance. Synthetic Metals, 2019, 256, 116152.	2.1	2
14	Facile design of 3D hierarchical NiFe2O4/N-GN/ZnO composite as a high performance electromagnetic wave absorber. Chemical Engineering Journal, 2019, 375, 121942.	6.6	197
15	Conducting polymer/silver nanowires stacking composite films for high-performance electrochromic devices. Solar Energy Materials and Solar Cells, 2019, 200, 109919.	3.0	25
16	Enhanced microwave absorption performances of polyaniline/graphene aerogel by covalent bonding. Composites Part B: Engineering, 2019, 169, 221-228.	5.9	284
17	Facile synthesis of hollow cube-like ZnSnO3 wrapped by nitrogen-doped graphene: As a high-performance and enhanced synergistic microwave absorber. Journal of Magnetism and Magnetic Materials, 2019, 486, 165251.	1.0	19
18	Highly flexible and large areal/volumetric capacitances for asymmetric supercapacitor based on ZnCo2O4 nanorods arrays and polypyrrole on carbon cloth as binder-free electrodes. Materials Letters, 2019, 234, 1-4.	1.3	21

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19	Unclogging electron-transporting channels via self-assembly for improving light harvesting and stability of dye-sensitized solar cells. Electrochimica Acta, 2019, 299, 518-530.	2.6	10
20	Fabrication of biomass-derived carbon decorated with NiFe2O4 particles for broadband and strong microwave absorption. Powder Technology, 2019, 345, 370-378.	2.1	69
21	High-Performance Layer-by-Layer Self-Assembly PANI/GQD-rGO/CFC Electrodes for a Flexible Solid-State Supercapacitor by a Facile Spraying Technique. ACS Applied Energy Materials, 2019, 2, 1077-1085.	2.5	29
22	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. Electrochimica Acta, 2019, 295, 29-38.	2.6	20
23	High flexibility and large energy density asymmetric fibered-supercapacitor based on unique NiCo2O4@MnO2 core-shell nanobrush arrays electrode. Electrochimica Acta, 2019, 295, 532-539.	2.6	20
24	A novel inorganic-conductive polymer core-sheath nanowire arrays as bendable electrode for advanced electrochemical energy storage. Chemical Engineering Journal, 2019, 358, 1464-1470.	6.6	22
25	Facile synthesis of a novel flower-like BiFeO3 microspheres/graphene with superior electromagnetic wave absorption performances. Ceramics International, 2019, 45, 3325-3332.	2.3	37
26	Hierarchical ZnFe2O4@RGO@CuS composite: Strong absorption and wide-frequency absorption properties. Ceramics International, 2018, 44, 9816-9822.	2.3	58
27	Synthesis of polyaniline nanorods and Fe3O4 microspheres on graphene nanosheets and enhanced microwave absorption performances. Materials Chemistry and Physics, 2018, 209, 23-30.	2.0	48
28	Fabrication of MoS2-graphene modified with Fe3O4 particles and its enhanced microwave absorption performance. Advanced Powder Technology, 2018, 29, 744-750.	2.0	48
29	Outstanding performance supercapacitor based on the ternary graphene-silver-polypyrrole hybrid nanocomposite fromÂâ˜'45 to 80â€Â°C. Materials Chemistry and Physics, 2018, 206, 259-269.	2.0	11
30	High-performance polythiothene film covalently bonded to ITO electrode: Synthesis and electrochromic properties. Solar Energy Materials and Solar Cells, 2018, 177, 15-22.	3.0	16
31	Fabrication of flower-like Ni0.5Co0.5(OH)2@PANI and its enhanced microwave absorption performances. Materials Research Bulletin, 2018, 98, 59-63.	2.7	127
32	A novel and facile step-by-step hydrothermal fabrication of peony-like Ni0.4Co0.6(OH)2 supported on carbon fiber cloth as flexible electrodes for advanced electrochemical energy storage. Solar Energy Materials and Solar Cells, 2018, 174, 325-332.	3.0	18
33	Supramolecular self-assembly of layer-by-layer graphene film driven by the synergism of Ï€â€“Ï€ and hydrogen bonding interaction. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 355, 249-255.	2.0	18
34	Synthesis of hierarchical CuS/RGO/PANI/Fe3O4 quaternary composite and enhanced microwave absorption performance. Journal of Alloys and Compounds, 2018, 757, 372-381.	2.8	47
35	Aniline oligomer-modified graphene for enhanced electrochemical performances. Synthetic Metals, 2018, 243, 107-114.	2.1	18
36	A self-healable asymmetric fibered-supercapacitor integrated in self-supported inorganic nanosheets array and conducting polymer electrodes. Chemical Engineering Journal, 2018, 352, 423-430.	6.6	23

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37	Enhanced performance and stability of electrochromic device based on poly (3-methylthiophene) using 2-thiophenecarboxylic acid as interfacial modifier. Materials Research Bulletin, 2018, 107, 111-117.	2.7	5
38	Coreâ€“shell porphyrinÂ·multi-walled carbon nanotube hybrids linked by multiple hydrogen bonds: nanostructure and electronic communication. Journal of Materials Science, 2018, 53, 10835-10845.	1.7	4
39	Wide potential window and high capacitance for flexible asymmetric supercapacitor based on Cu2Se nanobrush and hydrangea-like NiCo2O4 microspheres. Chemical Engineering Journal, 2018, 354, 346-350.	6.6	18
40	One-pot synthesis of MnFe₂O₄ nanoparticles-decorated reduced graphene oxide for enhanced microwave absorption properties. Materials Technology, 2017, 32, 32-37.	1.5	42
41	Enhanced Electronic Communication and Electrochemical Sensitivity Benefiting from the Cooperation of Quadruple Hydrogen Bonding and Ï€â€“Ï€ Interactions in Graphene/Multi-Walled Carbon Nanotube Hybrids. ACS Applied Materials & Interfaces, 2017, 9, 6255-6264.	4.0	25
42	Conducting polymer coated metal-organic framework nanoparticles: Facile synthesis and enhanced electromagnetic absorption properties. Synthetic Metals, 2017, 228, 18-24.	2.1	179
43	Hydrothermal synthesis of Polypyrrole/MoS2 intercalation composites for supercapacitor electrodes. Ceramics International, 2017, 43, 9877-9883.	2.3	44
44	Synthesis of hierarchical core-shell NiFe2O4@MnO2 composite microspheres decorated graphene nanosheet for enhanced microwave absorption performance. Ceramics International, 2017, 43, 11367-11375.	2.3	100
45	Fabrication and enhanced electromagnetic wave absorption properties of sandwich-like graphene@NiO@PANI decorated with Ag particles. Synthetic Metals, 2017, 229, 82-88.	2.1	28
46	Highly stable covalently-bonded organic-inorganic materials: Synthesis and electrochromic properties. Organic Electronics, 2017, 41, 114-117.	1.4	4
47	Design of hollow ZnFe 2 O 4 microspheres@graphene decorated with TiO 2 nanosheets as a high-performance low frequency absorber. Materials Chemistry and Physics, 2017, 202, 184-189.	2.0	45
48	3D heterostructure of graphene@Fe 3 O 4 @WO 3 @PANI: Preparation and excellent microwave absorption performance. Synthetic Metals, 2017, 231, 7-14.	2.1	59
49	Synthesis of ferromagnetic sandwich FeCo@graphene@PPy and enhanced electromagnetic wave absorption properties. Journal of Magnetism and Magnetic Materials, 2017, 443, 358-365.	1.0	60
50	A flexible asymmetric fibered-supercapacitor based on unique Co 3 O 4 @PPy core-shell nanorod arrays electrode. Chemical Engineering Journal, 2017, 327, 193-201.	6.6	71
51	A high performance asymmetric supercapacitor based on carbon fiber coated with MgCo 2 O 4 nanobrush. Materials Letters, 2017, 206, 71-74.	1.3	21
52	Enhanced Electrochemical Performance by Strongly Anchoring Highly Crystalline Polyaniline on Multiwalled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2017, 9, 43939-43949.	4.0	38
53	Enhanced electrochemical performance of hydrogen-bonded graphene/polyaniline for electrochromo-supercapacitor. Journal of Materials Science, 2016, 51, 7731-7741.	1.7	29
54	Metal-organic framework nanoparticles decorated with graphene: A high-performance electromagnetic wave absorber. Journal of Magnetism and Magnetic Materials, 2016, 416, 226-230.	1.0	54

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55	Superparamagnetic FeCo@SnO2 nanoparticles on graphene-polyaniline: Synthesis and enhanced electromagnetic wave absorption properties. Ceramics International, 2016, 42, 12496-12502.	2.3	36
56	Preparation of C@PPy/TiN nanocomposite with excellent cycling stability via a one-step hydrothermal method. Ceramics International, 2016, 42, 15077-15080.	2.3	7
57	Preparation of all-solid-state supercapacitor integrated with energy level indicating functionality. Synthetic Metals, 2016, 220, 494-501.	2.1	12
58	Synthesis, characterization and enhanced electromagnetic properties of NiFe2O4@SiO2-decorated reduced graphene oxide nanosheets. Ceramics International, 2016, 42, 17374-17381.	2.3	38
59	Highly sensitive and well reproducible Surface-enhanced Raman spectroscopy from silver triangular platelets. Talanta, 2016, 161, 599-605.	2.9	14
60	Fabrication and high-performance microwave absorption of Ni@SnO2 @PPy Core-Shell composite. Synthetic Metals, 2016, 220, 347-355.	2.1	36
61	Nano nickel oxide coated graphene/polyaniline composite film with high electrochemical performance for flexible supercapacitor. Electrochimica Acta, 2016, 211, 1066-1075.	2.6	84
62	Nanorod structure of Polypyrrole-covered MoO 3 for supercapacitors with excellent cycling stability. Materials Letters, 2016, 182, 121-124.	1.3	34
63	A highly selective electrochemical sensor for nifedipine based on layerâ€byâ€layer assembly films from polyaniline and multiwalled carbon nanotube. Journal of Applied Polymer Science, 2016, 133, .	1.3	8
64	Synthesis and electromagnetic absorption properties of Ag-coated reduced graphene oxide with MnFe2O4 particles. Journal of Magnetism and Magnetic Materials, 2016, 404, 58-63.	1.0	29
65	Hydrogen bonding of graphene/polyaniline composites film for solid electrochromic devices. Synthetic Metals, 2016, 212, 1-11.	2.1	34
66	Structure, stability and electrochromic properties of polyaniline film covalently bonded to indium tin oxide substrate. Applied Surface Science, 2016, 367, 542-551.	3.1	54
67	Synthesis and high-performance microwave absorption of graphene foam/polyaniline nanorods. Materials Letters, 2016, 165, 71-74.	1.3	61
68	Synthesis and electromagnetic properties of La-doped Niâ€“Zn ferrites. Journal of Magnetism and Magnetic Materials, 2016, 398, 90-95.	1.0	91
69	Ru(II)(tpy)₂-functionalized hydrogels: Synthesis, reversible responsiveness, and coupling with the belousov-zhabotinsky reaction. Journal of Polymer Science Part A, 2015, 53, 2214-2222.	2.5	10
70	Facile synthesis of Ni/PANI/RGO composites and their excellent electromagnetic wave absorption properties. Synthetic Metals, 2015, 210, 165-170.	2.1	47
71	Preparation and self-healing behaviors of poly(acrylic acid)/cerium ions double network hydrogels. Macromolecular Research, 2015, 23, 1098-1102.	1.0	28
72	Freeâ€standing aniline oligomer functionalized multiwalled carbon nanotube films from a filtration method. Journal of Applied Polymer Science, 2014, 131, .	1.3	2

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73	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. Polymer Bulletin, 2014, 71, 243-260.	1.7	7
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	Phase transformation of tetraethyleneglycol dodecyl ether solution studied by light scattering spectra: Micelle aggregation, vesicle and lamellar phase. Journal of Molecular Structure, 2011, 987, 91-100.	1.8	4
76	Quantitative Description of Aggregation and Dissociation of Polystyrene Chains in Cyclohexane Solutions by Resonance Light Scattering Technique. Journal of Physical Chemistry B, 2010, 114, 1301-1306.	1.2	12
77	Temperature-Sensitive Phase Transition of Dendritic Polyethylene Amphiphiles with Coreâ^'Shell Architecture Revealed by a Rayleigh Scattering Technique. Langmuir, 2010, 26, 5801-5807.	1.6	27