

# Zhangpeng Li

## List of Publications by Year in descending order

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75  
papers

5,186  
citations

87888

38  
h-index

85541

71  
g-index

76  
all docs

76  
docs citations

76  
times ranked

7970  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible graphene/MnO <sub>2</sub> composite papers for supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 14706.	6.7	389
2	Simple Synthesis of Amorphous NiWO <sub>4</sub> Nanostructure and Its Application as a Novel Cathode Material for Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8044-8052.	8.0	293
3	Synthesis of fluorinated graphene with tunable degree of fluorination. <i>Carbon</i> , 2012, 50, 5403-5410.	10.3	279
4	Metal-Nanoparticle-Catalyzed Hydrogen Generation from Formic Acid. <i>Accounts of Chemical Research</i> , 2017, 50, 1449-1458.	15.6	270
5	Electrostatic layer-by-layer self-assembly multilayer films based on graphene and manganese dioxide sheets as novel electrode materials for supercapacitors. <i>Journal of Materials Chemistry</i> , 2011, 21, 3397.	6.7	212
6	Synthesis of hydrothermally reduced graphene/MnO <sub>2</sub> composites and their electrochemical properties as supercapacitors. <i>Journal of Power Sources</i> , 2011, 196, 8160-8165.	7.8	207
7	Pyrolytic synthesis of boron-doped graphene and its application as electrode material for supercapacitors. <i>Electrochimica Acta</i> , 2013, 108, 666-673.	5.2	200
8	“Green” electrochemical synthesis of Pt/graphene sheet nanocomposite film and its electrocatalytic property. <i>Journal of Power Sources</i> , 2010, 195, 4628-4633.	7.8	196
9	One-pot sonochemical preparation of fluorographene and selective tuning of its fluorine coverage. <i>Journal of Materials Chemistry</i> , 2012, 22, 16950.	6.7	193
10	Tandem Nitrogen Functionalization of Porous Carbon: Toward Immobilizing Highly Active Palladium Nanoclusters for Dehydrogenation of Formic Acid. <i>ACS Catalysis</i> , 2017, 7, 2720-2724.	11.2	175
11	Facile construction of 3D graphene/MoS <sub>2</sub> composites as advanced electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2016, 331, 180-188.	7.8	135
12	Pyrite FeS <sub>2</sub> microspheres wrapped by reduced graphene oxide as high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7945-7949.	10.3	134
13	Fabrication of free-standing graphene/polyaniline nanofibers composite paper via electrostatic adsorption for electrochemical supercapacitors. <i>New Journal of Chemistry</i> , 2011, 35, 369-374.	2.8	131
14	Porous CuCo <sub>2</sub> O <sub>4</sub> nanocubes wrapped by reduced graphene oxide as high-performance lithium-ion battery anodes. <i>Nanoscale</i> , 2014, 6, 6551-6556.	5.6	130
15	Facile preparation of porous Co <sub>3</sub> O <sub>4</sub> nanosheets for high-performance lithium ion batteries and oxygen evolution reaction. <i>Journal of Power Sources</i> , 2016, 310, 41-46.	7.8	111
16	A flexible and disposable hybrid electrode based on Cu nanowires modified graphene transparent electrode for non-enzymatic glucose sensor. <i>Electrochimica Acta</i> , 2013, 109, 602-608.	5.2	104
17	MOF-derived Ni <sub>x</sub> Co <sub>1-x</sub> (OH) <sub>2</sub> composite microspheres for high-performance supercapacitors. <i>RSC Advances</i> , 2016, 6, 49478-49486.	3.6	101
18	Reduced Graphene Oxide/Marcasite-type Cobalt Selenide Nanocrystals as an Anode for Lithium-ion Batteries with Excellent Cyclic Performance. <i>ChemElectroChem</i> , 2015, 2, 1682-1686.	3.4	89

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19	Rapid synthesis of graphene/cobalt hydroxide composite with enhanced electrochemical performance for supercapacitors. <i>Journal of Power Sources</i> , 2014, 245, 224-231.	7.8	87
20	Self-Assembly of Octadecyltrichlorosilane on Graphene Oxide and the Tribological Performances of the Resultant Film. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10080-10086.	3.1	85
21	Synthesis of Honeycomb-like Mesoporous Pyrite FeS <sub>2</sub> Microspheres as Efficient Counter Electrode in Quantum Dots Sensitized Solar Cells. <i>Small</i> , 2014, 10, 4754-4759.	10.0	83
22	Fabrication of nitrogen and sulfur co-doped hollow cellular carbon nanocapsules as efficient electrode materials for energy storage. <i>Energy Storage Materials</i> , 2018, 13, 72-79.	18.0	83
23	A simple and feasible in-situ reduction route for preparation of graphene lubricant films applied to a variety of substrates. <i>Journal of Materials Chemistry</i> , 2012, 22, 8036.	6.7	62
24	Cooperatively exfoliated fluorinated graphene with full-color emission. <i>RSC Advances</i> , 2012, 2, 11681.	3.6	60
25	Construction of hierarchical holey graphene/MnO <sub>2</sub> composites as potential electrode materials for supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 775, 1206-1212.	5.5	60
26	Facile fabrication and electrochemical properties of high-quality reduced graphene oxide/cobalt sulfide composite as anode material for lithium-ion batteries. <i>RSC Advances</i> , 2014, 4, 37180-37186.	3.6	59
27	Oxygen-incorporated MoS <sub>2</sub> microspheres with tunable interiors as novel electrode materials for supercapacitors. <i>Journal of Power Sources</i> , 2017, 352, 135-142.	7.8	58
28	Photochemical synthesis of fluorinated graphene via a simultaneous fluorination and reduction route. <i>RSC Advances</i> , 2013, 3, 6327.	3.6	54
29	Casein Phosphopeptide-Biofunctionalized Graphene Biocomposite for Hydroxyapatite Biomimetic Mineralization. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10375-10382.	3.1	51
30	Layer-by-layer assembly and tribological property of multilayer ultrathin films constructed by modified graphene sheets and polyethyleneimine. <i>Applied Surface Science</i> , 2012, 258, 2231-2236.	6.1	49
31	Fluorine Doping Strengthens the Lithium-Storage Properties of the Mn-Based Metal-Organic Framework. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26907-26914.	8.0	48
32	Assembly and electrochemical properties of novel alkaline rechargeable Ni/Bi battery using Ni(OH) <sub>2</sub> and (BiO) <sub>4</sub> CO <sub>3</sub> (OH) <sub>2</sub> microspheres as electrode materials. <i>Journal of Power Sources</i> , 2015, 274, 1070-1075.	7.8	47
33	Synthesis of a porous birnessite manganese dioxide hierarchical structure using thermally reduced graphene oxide paper as a sacrificing template for supercapacitor application. <i>New Journal of Chemistry</i> , 2012, 36, 1490.	2.8	45
34	PVA-SA-MXene dual-network conductive hydrogel for wearable sensor to monitor human motions. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51627.	2.6	44
35	Controllable synthesis of 3D hierarchical bismuth compounds with good electrochemical performance for advanced energy storage devices. <i>RSC Advances</i> , 2015, 5, 51773-51778.	3.6	43
36	Partially reduced SnO <sub>2</sub> nanoparticles anchored on carbon nanofibers for high performance sodium-ion batteries. <i>Electrochemistry Communications</i> , 2016, 72, 91-95.	4.7	42

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37	Hollow nanospheres of loosely packed Si/SiO <sub>x</sub> nanoparticles encapsulated in carbon shells with enhanced performance as lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12289-12295.	10.3	41
38	Graphene oxide-templated growth of MOFs with enhanced lithium-storage properties. <i>New Journal of Chemistry</i> , 2017, 41, 14209-14216.	2.8	39
39	Fabrication of Co <sub>3</sub> O <sub>4</sub> @Co <sup>2+</sup> Ni sulfides core/shell nanowire arrays as binder-free electrode for electrochemical energy storage. <i>Energy</i> , 2015, 93, 435-441.	8.8	37
40	Ethanediamine induced self-assembly of long-range ordered GO/MXene composite aerogel and its piezoresistive sensing performances. <i>Applied Surface Science</i> , 2021, 566, 150719.	6.1	37
41	Readily self-healing polymers at subzero temperature enabled by dual cooperative crosslink strategy for smart paint. <i>Chemical Engineering Journal</i> , 2020, 398, 125593.	12.7	36
42	Ni/Bi battery based on Ni(OH) <sub>2</sub> nanoparticles/graphene sheets and Bi <sub>2</sub> O <sub>3</sub> rods/graphene sheets with high performance. <i>Journal of Alloys and Compounds</i> , 2015, 643, 231-238.	5.5	35
43	Design and fabrication of carbonized rGO/CMOF-5 hybrids for supercapacitor applications. <i>RSC Advances</i> , 2016, 6, 13264-13271.	3.6	34
44	Improvement of piezoresistive sensing behavior of graphene sponge by polyaniline nanoarrays. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7386-7394.	5.5	34
45	A feasible approach to the fabrication of gold/polyaniline nanofiber composites and its application as electrocatalyst for oxygen reduction. <i>Materials Chemistry and Physics</i> , 2012, 132, 500-504.	4.0	30
46	Hierarchical Co <sub>3</sub> O <sub>4</sub> @Au-decorated PPy core/shell nanowire arrays: an efficient integration of active materials for energy storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2535-2540.	10.3	30
47	Graphene-wrapped CNT@MoS <sub>2</sub> hierarchical structure: synthesis, characterization and electrochemical application in supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 7142-7150.	2.8	29
48	Solvothermal synthesis of Ni(HCO <sub>3</sub> ) <sub>2</sub> /graphene composites toward supercapacitors and the faradic redox mechanism in KOH solution. <i>Journal of Alloys and Compounds</i> , 2013, 581, 217-222.	5.5	26
49	One-pot hydrothermal synthesis of CuO with tunable morphologies on Ni foam as a hybrid electrode for sensing glucose. <i>RSC Advances</i> , 2014, 4, 23319.	3.6	24
50	Poly(vinyl alcohol)-Mediated Graphene Aerogels with Tailorable Architectures and Advanced Properties for Anisotropic Sensing. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3781-3789.	3.1	23
51	Solid-solution alloy nanoclusters of the immiscible gold-rhodium system achieved by a solid ligand-assisted approach for highly efficient catalysis. <i>Nano Research</i> , 2020, 13, 105-111.	10.4	23
52	Ultralight GO-Hybridized CNTs Aerogels with Enhanced Electronic and Mechanical Properties for Piezoresistive Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 26352-26361.	8.0	23
53	Friction-induced construction of PTFE-anchored MXene heterogeneous lubricating coating and its in-situ tribological transfer mechanism. <i>Chemical Engineering Journal</i> , 2022, 442, 136238.	12.7	23
54	Stretchable and self-healable electrical sensors with fingertip-like perception capability for surface texture discerning and biosignal monitoring. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9008-9017.	5.5	20

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55	Synthesis of MXene-Based Self-dispersing Additives for Enhanced Tribological Properties. Tribology Letters, 2022, 70, .	2.6	19
56	A new series of lanthanide coordination polymers with 2,2'-bipyridine and glutaric acid: Synthesis, crystal structures and properties of [Ln(bipy)(glut)(NO <sub>3</sub> )]. Journal of Molecular Structure, 2009, 931, 76-81.	3.6	18
57	Assembly of MnO <sub>2</sub> nanowires@reduced graphene oxide hybrid with an interconnected structure for a high performance lithium ion battery. RSC Advances, 2014, 4, 54416-54421.	3.6	17
58	Hydrothermal synthesis of Ni@C core-shell composites with high capacitance. Journal of Alloys and Compounds, 2013, 575, 152-157.	5.5	16
59	Poly(vinyl alcohol)/Gelatin-Based Eutectogels for the Sensitive Strain Sensor with Recyclability and Multienvironmental Suitability. ACS Applied Polymer Materials, 2022, 4, 3982-3993.	4.4	16
60	Balancing oxygen-containing groups and structural defects for optimizing macroscopic tribological properties of graphene oxide coating. Applied Surface Science, 2020, 516, 146122.	6.1	15
61	Electrochemical Trimming of Graphene Oxide Affords Graphene Quantum Dots for Fe <sup>3+</sup> Detection. ACS Applied Nano Materials, 2021, 4, 5220-5229.	5.0	13
62	Synthesis and characterization of three-dimensional ordered mesoporous-macroporous bioactive glass. Materials Letters, 2010, 64, 2544-2547.	2.6	12
63	Polarized Micropores in a Novel 3D Metal-Organic Framework for Selective Adsorption Properties. Inorganic Chemistry, 2012, 51, 5022-5025.	4.0	12
64	Layered double hydroxides for tribological application: Recent advances and future prospective. Applied Clay Science, 2022, 221, 106466.	5.2	12
65	Crafting Porous Carbon for Immobilizing Pd Nanoparticles with Enhanced Catalytic Activity for Formic Acid Dehydrogenation. ChemNanoMat, 2020, 6, 533-537.	2.8	11
66	Synthesis of hierarchically porous carbon spheres by an emulsification-crosslinking method and their application in supercapacitors. RSC Advances, 2016, 6, 54880-54888.	3.6	10
67	Microwave-assisted synthesis of hydroxyl modified fluorinated graphene with high fluorine content and its high load-bearing capacity as water lubricant additive for ceramic/steel contact. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125931.	4.7	10
68	The Effect of Zirconium Phosphate Nanosheets on Thermal, Mechanical, and Tribological Properties of Polyimide. Macromolecular Materials and Engineering, 2020, 305, 2000043.	3.6	9
69	Preparation of Well-Dispersed Lubricant Additives with Excellent Antiwear Ability Under High Load. Tribology Letters, 2020, 68, 1.	2.6	8
70	A Self-Assembled 3D Hydrogen Bonded Network Constructed from Polyoxovanadate and Protonated Organic Substrate With a Solvent Hydrolysis Reaction. Journal of Cluster Science, 2009, 20, 717-724.	3.3	7
71	Bimetallic MOFs with tunable morphology: Synthesis and enhanced lithium storage properties. Journal of Solid State Chemistry, 2022, 307, 122726.	2.9	7
72	Sonication-assisted solvothermal synthesis of noncovalent fluorographene/ceria nanocomposite with excellent extreme-pressure and anti-wear properties. Tribology International, 2021, 159, 106991.	5.9	6

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73	Similar chemical composition with different tribological properties: Influences of C F bond strength and carbon-skeleton structure on fluorinated graphene and PTFE. Tribology International, 2022, 165, 107250.	5.9	6
74	Preparation of Poly(sodium 4-vinylstyrene sulfonate) Functionalized Graphene/Manganese Dioxide Composites for Supercapacitor Application with Superior Cycling Stability. Journal of the Chinese Chemical Society, 2012, 59, 1351-1356.	1.4	4
75	Syntheses, structures and chemical sensing properties of three complexes with mixed ligands of carboxylate and bipyridine. Dalton Transactions, 2013, 42, 1346-1351.	3.3	4