

# 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	<scp>PVA</scp>/<scp>SA</scp>/<scp>MXene</scp> dual-network conductive hydrogel for wearable sensor to monitor human motions. Journal of Applied Polymer Science, 2022, 139, 51627.	2.6	44
2	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
3	Bimetallic MOFs with tunable morphology: Synthesis and enhanced lithium storage properties. Journal of Solid State Chemistry, 2022, 307, 122726.	2.9	7
4	Friction-induced construction of PTFE-anchored MXene heterogeneous lubricating coating and its in-situ tribological transfer mechanism. Chemical Engineering Journal, 2022, 442, 136238.	12.7	23
5	Layered double hydroxides for tribological application: Recent advances and future prospective. Applied Clay Science, 2022, 221, 106466.	5.2	12
6	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
7	Synthesis of MXene-Based Self-dispersing Additives for Enhanced Tribological Properties. Tribology Letters, 2022, 70, .	2.6	19
8	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
9	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
10	Ultralight GO-Hybridized CNTs Aerogels with Enhanced Electronic and Mechanical Properties for Piezoresistive Sensors. ACS Applied Materials & Interfaces, 2021, 13, 26352-26361.	8.0	23
11	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
12	Ethanediamine induced self-assembly of long-range ordered GO/MXene composite aerogel and its piezoresistive sensing performances. Applied Surface Science, 2021, 566, 150719.	6.1	37
13	Solid-solution alloy nanoclusters of the immiscible gold-rhodium system achieved by a solid ligand-assisted approach for highly efficient catalysis. Nano Research, 2020, 13, 105-111.	10.4	23
14	Preparation of Well-Dispersed Lubricant Additives with Excellent Antiwear Ability Under High Load. Tribology Letters, 2020, 68, 1.	2.6	8
15	The Effect of Zirconium Phosphate Nanosheets on Thermal, Mechanical, and Tribological Properties of Polyimide. Macromolecular Materials and Engineering, 2020, 305, 2000043.	3.6	9
16	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
17	Readily self-healing polymers at subzero temperature enabled by dual cooperative crosslink strategy for smart paint. Chemical Engineering Journal, 2020, 398, 125593.	12.7	36
18	Crafting Porous Carbon for Immobilizing Pd Nanoparticles with Enhanced Catalytic Activity for Formic Acid Dehydrogenation. ChemNanoMat, 2020, 6, 533-537.	2.8	11

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19	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
20	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
21	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
22	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
23	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
24	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
25	Metal-Nanoparticle-Catalyzed Hydrogen Generation from Formic Acid. <i>Accounts of Chemical Research</i> , 2017, 50, 1449-1458.	15.6	270
26	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
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	Graphene oxide-templated growth of MOFs with enhanced lithium-storage properties. <i>New Journal of Chemistry</i> , 2017, 41, 14209-14216.	2.8	39
29	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
30	Synthesis of hierarchically porous carbon spheres by an emulsification-crosslinking method and their application in supercapacitors. <i>RSC Advances</i> , 2016, 6, 54880-54888.	3.6	10
31	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
32	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
33	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
34	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
35	Design and fabrication of carbonized rGO/CMOF-5 hybrids for supercapacitor applications. <i>RSC Advances</i> , 2016, 6, 13264-13271.	3.6	34
36	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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37	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
38	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
39	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
40	Fabrication of Co <sub>3</sub> O <sub>4</sub> @Co-Ni sulfides core/shell nanowire arrays as binder-free electrode for electrochemical energy storage. <i>Energy</i> , 2015, 93, 435-441.	8.8	37
41	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
42	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
43	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
44	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
45	Assembly of MnO <sub>2</sub> nanowires@reduced graphene oxide hybrid with an interconnected structure for a high performance lithium ion battery. <i>RSC Advances</i> , 2014, 4, 54416-54421.	3.6	17
46	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
47	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
48	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
49	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
50	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
51	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
52	Solvothermal synthesis of Ni(HCO <sub>3</sub> ) <sub>2</sub> /graphene composites toward supercapacitors and the faradiac redox mechanism in KOH solution. <i>Journal of Alloys and Compounds</i> , 2013, 581, 217-222.	5.5	26
53	Syntheses, structures and chemical sensing properties of three complexes with mixed ligands of carboxylate and bipyridine. <i>Dalton Transactions</i> , 2013, 42, 1346-1351.	3.3	4
54	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

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55	Photochemical synthesis of fluorinated graphene via a simultaneous fluorination and reduction route. RSC Advances, 2013, 3, 6327.	3.6	54
56	Hydrothermal synthesis of Ni@C core-shell composites with high capacitance. Journal of Alloys and Compounds, 2013, 575, 152-157.	5.5	16
57	Casein Phosphopeptide-Biofunctionalized Graphene Biocomposite for Hydroxyapatite Biomimetic Mineralization. Journal of Physical Chemistry C, 2013, 117, 10375-10382.	3.1	51
58	Synthesis of fluorinated graphene with tunable degree of fluorination. Carbon, 2012, 50, 5403-5410.	10.3	279
59	A simple and feasible in-situ reduction route for preparation of graphene lubricant films applied to a variety of substrates. Journal of Materials Chemistry, 2012, 22, 8036.	6.7	62
60	Layer-by-layer assembly and tribological property of multilayer ultrathin films constructed by modified graphene sheets and polyethyleneimine. Applied Surface Science, 2012, 258, 2231-2236.	6.1	49
61	Preparation of Poly(sodium styrene 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
62	Cooperatively exfoliated fluorinated graphene with full-color emission. RSC Advances, 2012, 2, 11681.	3.6	60
63	One-pot sonochemical preparation of fluorographene and selective tuning of its fluorine coverage. Journal of Materials Chemistry, 2012, 22, 16950.	6.7	193
64	Polarized Micropores in a Novel 3D Metal-Organic Framework for Selective Adsorption Properties. Inorganic Chemistry, 2012, 51, 5022-5025.	4.0	12
65	Synthesis of a porous birnessite manganese dioxide hierarchical structure using thermally reduced graphene oxide paper as a sacrificing template for supercapacitor application. New Journal of Chemistry, 2012, 36, 1490.	2.8	45
66	A feasible approach to the fabrication of gold/polyaniline nanofiber composites and its application as electrocatalyst for oxygen reduction. Materials Chemistry and Physics, 2012, 132, 500-504.	4.0	30
67	Self-Assembly of Octadecyltrichlorosilane on Graphene Oxide and the Tribological Performances of the Resultant Film. Journal of Physical Chemistry C, 2011, 115, 10080-10086.	3.1	85
68	Fabrication of free-standing graphene/polyaniline nanofibers composite paper via electrostatic adsorption for electrochemical supercapacitors. New Journal of Chemistry, 2011, 35, 369-374.	2.8	131
69	Electrostatic layer-by-layer self-assembly multilayer films based on graphene and manganese dioxide sheets as novel electrode materials for supercapacitors. Journal of Materials Chemistry, 2011, 21, 3397.	6.7	212
70	Flexible graphene/MnO <sub>2</sub> composite papers for supercapacitor electrodes. Journal of Materials Chemistry, 2011, 21, 14706.	6.7	389
71	Synthesis of hydrothermally reduced graphene/MnO <sub>2</sub> composites and their electrochemical properties as supercapacitors. Journal of Power Sources, 2011, 196, 8160-8165.	7.8	207
72	Synthesis and characterization of three-dimensional ordered mesoporous macroporous bioactive glass. Materials Letters, 2010, 64, 2544-2547.	2.6	12

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73	“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
74	A Self-Assembled 3D Hydrogen Bonded Network Constructed from Polyoxovanadate and Protonated Organic Substrate With a Solvent Hydrolysis Reaction. <i>Journal of Cluster Science</i> , 2009, 20, 717-724.	3.3	7
75	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> )]. <i>Journal of Molecular Structure</i> , 2009, 931, 76-81.	3.6	18