

# Bo Song

## List of Publications by Citations

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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.

54  
papers

2,278  
citations

23  
h-index

47  
g-index

55  
ext. papers

2,593  
ext. citations

8.6  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
54	Polymer Composite with Improved Thermal Conductivity by Constructing a Hierarchically Ordered Three-Dimensional Interconnected Network of BN. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 13544-13553 <sup>278</sup>	8.5	1353
53	Rational Design of Nickel Hydroxide-Based Nanocrystals on Graphene for Ultrafast Energy Storage. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702247	21.8	172
52	Controlled synthesis of three-phase NixSy/rGO nanoflake electrodes for hybrid supercapacitors with high energy and power density. <i>Nano Energy</i> , <b>2017</b> , 33, 522-531	17.1	167
51	Water-dispersible graphene/polyaniline composites for flexible micro-supercapacitors with high energy densities. <i>Nano Energy</i> , <b>2015</b> , 16, 470-478	17.1	134
50	3D porous graphene with ultrahigh surface area for microscale capacitive deionization. <i>Nano Energy</i> , <b>2015</b> , 11, 711-718	17.1	130
49	A high-energy, long cycle-life hybrid supercapacitor based on graphene composite electrodes. <i>Energy Storage Materials</i> , <b>2017</b> , 7, 32-39	19.4	124
48	Mechanistic investigation of the graphene functionalization using p-phenylenediamine and its application for supercapacitors. <i>Nano Energy</i> , <b>2015</b> , 17, 160-170	17.1	117
47	Tunable electromagnetic properties and enhanced microwave absorption ability of flaky graphite/cobalt zinc ferrite composites. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 662, 409-414	5.7	116
46	Systematic study on structural and electronic properties of diamine/triamine functionalized graphene networks for supercapacitor application. <i>Nano Energy</i> , <b>2017</b> , 31, 183-193	17.1	99
45	Flexible micro-supercapacitor based on in-situ assembled graphene on metal template at room temperature. <i>Nano Energy</i> , <b>2014</b> , 10, 222-228	17.1	98
44	Triethanolamine functionalized graphene-based composites for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 21789-21796	13	92
43	Molecular Level Study of Graphene Networks Functionalized with Phenylenediamine Monomers for Supercapacitor Electrodes. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 9110-9121	9.6	80
42	Facile preparation and microwave absorption properties of porous hollow BaFe <sub>12</sub> O <sub>19</sub> /CoFe <sub>2</sub> O <sub>4</sub> composite microrods. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 1072-1075	5.7	74
41	Molecular engineering of aromatic amine spacers for high-performance graphene-based supercapacitors. <i>Nano Energy</i> , <b>2016</b> , 21, 276-294	17.1	54
40	Effect of pH value on electromagnetic loss properties of Co <sub>2</sub> Zn ferrite prepared via coprecipitation method. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 405, 36-41	2.8	48
39	Alternating current line-filter based on electrochemical capacitor utilizing template-patterned graphene. <i>Scientific Reports</i> , <b>2015</b> , 5, 10983	4.9	46
38	Form-stable phase change material embedded with chitosan-derived carbon aerogel. <i>Materials Letters</i> , <b>2017</b> , 195, 79-81	3.3	33

37	Sulfonated polyaniline decorated graphene nanocomposites as supercapacitor electrodes. <i>Materials Letters</i> , <b>2016</b> , 166, 12-15	3.3	33
36	Precisely quantified catalyst based on in situ growth of Cu <sub>2</sub> O nanoparticles on a graphene 3D network for highly sensitive glucose sensor. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 250, 333-341	8.5	30
35	A high quenching content red-emitting phosphor based on double perovskite host BaLaMgSbO <sub>6</sub> for white LEDs. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 696, 443-449	5.7	30
34	A novel strain sensor based on 3D printing technology and 3D antenna design <b>2015</b> ,		28
33	Effect of polymer binders on graphene-based free-standing electrodes for supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 267, 213-221	6.7	25
32	Adjusting the band structure and defects of ZnO quantum dots via tin doping. <i>RSC Advances</i> , <b>2017</b> , 7, 11345-11354	3.7	24
31	Particle size effect in porous film electrodes of ligand-modified graphene for enhanced supercapacitor performance. <i>Carbon</i> , <b>2017</b> , 119, 296-304	10.4	20
30	Microscopic vertical orientation of nano-interspaced graphene architectures in deposit films as electrodes for enhanced supercapacitor performance. <i>Nano Energy</i> , <b>2017</b> , 32, 88-95	17.1	20
29	Low temperature-sintering and microstructure of highly transparent yttria ceramics. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 2580-2586	5.7	18
28	Recent Developments in Design and Fabrication of Graphene-Based Interdigital Micro-Supercapacitors for Miniaturized Energy Storage Devices. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2016</b> , 6, 1752-1765	1.7	16
27	Reducing Pb concentration in CsPbI <sub>3</sub> based perovskite solar cell materials via alkaline-earth metal doping: A DFT computational study. <i>Ceramics International</i> , <b>2017</b> , 43, 13101-13112	5.1	14
26	Luminescence properties of La <sub>2</sub> O <sub>2</sub> S:Tb <sup>3+</sup> phosphors and phosphor-embedded polymethylmethacrylate films. <i>Materials and Design</i> , <b>2017</b> , 125, 100-108	8.1	13
25	Controlled synthesis and evaluation of cyanate ester/epoxy copolymer system for high temperature molding compounds. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 1337-1345	2.5	13
24	Orientation dependence of magnetoelectric coefficient in 1-3 type BaTiO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2018</b> , 449, 263-270	2.8	10
23	Processing and characterization of silver-filled conductive polysulfide sealants for aerospace applications. <i>Soft Matter</i> , <b>2018</b> , 14, 9036-9043	3.6	10
22	Flexible and electrically conductive composites based on 3D hierarchical silver dendrites. <i>Soft Matter</i> , <b>2020</b> , 16, 6765-6772	3.6	9
21	Facile solvothermal way to synthesize CuIn <sub>0.7</sub> Ga <sub>0.3</sub> S <sub>2</sub> nanocrystals and their application in low-cost photovoltaic device. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 656, 663-666	5.7	8
20	Surface defect modification of ZnO quantum dots based on rare earth acetylacetonate and their impacts on optical performance. <i>Applied Surface Science</i> , <b>2017</b> , 398, 97-102	6.7	8

19	Polyimide incorporated cyanate ester/epoxy copolymers for high-temperature molding compounds. <i>Journal of Polymer Science Part A</i> , <b>2018</b> , 56, 2412-2421	2.5	8
18	Capacitance enhancement by electrochemically active benzene derivatives for graphene-based supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 84113-84118	3.7	7
17	Three-dimensional graphene-based composite for flexible electronic applications <b>2015</b> ,		7
16	Stretchable and Electrically Conductive Composites Fabricated from Polyurethane and Silver Nano/Microstructures <b>2017</b> ,		7
15	A novel chipless RFID-based stretchable and wearable hand gesture sensor <b>2015</b> ,		7
14	Different valence Sn doping - A simple way to detect oxygen concentration variation of ZnO quantum dots synthesized under ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 38, 29-37	8.9	6
13	Alginate-based colloid particles from direct chemical self-assembly using as particulate emulsifiers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 542, 15-20	5.1	6
12	Highly Conductive Polyurethane/Polyaniline-Based Composites for Wearable Electronic Applications <b>2016</b> ,		6
11	Fabrication of stretchable and conductive polymer nanocomposites based on interconnected graphene aerogel. <i>Composites Science and Technology</i> , <b>2020</b> , 200, 108430	8.6	5
10	Stretchable, Printable and Electrically Conductive Composites for Wearable RF Antennas <b>2018</b> ,		5
9	Solution-processed flexible solid-state micro-supercapacitors for on-chip energy storage devices <b>2015</b> ,		5
8	Design and Surface Modification of PET Substrates Using UV/Ozone Treatment for Roll-to-Roll Processed Solar Photovoltaic (PV) Module Packaging <b>2018</b> ,		4
7	<b>2016</b> ,		3
6	Design of Miura Folding-Based Micro-Supercapacitors as Foldable and Miniaturized Energy Storage Devices <b>2017</b> ,		3
5	Cyanate Ester/Epoxy Co-Curing System with Thermal Stabilizers for High Temperature Stability <b>2018</b> ,		2
4	Epoxy Composites with Surface Modified Silicon Carbide Filler for High Temperature Molding Compounds <b>2019</b> ,		2
3	Comparison of two high temperature treatment methods on preparing electrically conductive polysulfide/Ag composites for aerospace sealant applications. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 50121	2.9	2
2	On-chip Solid-State CMOS Compatible Micro-Supercapacitors <b>2018</b> ,		1

1 Formulation and Processing of Conductive Polysulfide Sealants for Automotive and Aerospace Applications **2019**,