

# Yibin Li

## List of Publications by Year in descending order

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46  
papers

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citations

172207

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times ranked

4278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Achieving Super Broadband Electromagnetic Absorption by Optimizing Impedance Match of rGO Sponge Metamaterials. <i>Advanced Functional Materials</i> , 2022, 32, 2107508.	7.8	107
2	Twin-Structured Graphene Metamaterials with Anomalous Mechanical Properties. <i>Advanced Materials</i> , 2022, 34, e2200444.	11.1	17
3	Reduced Graphene Oxide/MXene Composite Foam with Multilayer Structure for Electromagnetic Interference Shielding and Heat Insulation Applications. <i>Advanced Engineering Materials</i> , 2022, 24, .	1.6	18
4	Reduced Graphene Oxide/Carbon Nanofiber Based Composite Fabrics with Spider Web-like Structure for Microwave Absorbing Applications. <i>Advanced Fiber Materials</i> , 2022, 4, 1164-1176.	7.9	31
5	Anisotropic electromagnetic absorption of the aligned Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/RGO nanocomposite foam. <i>Composites Science and Technology</i> , 2022, 227, 109609.	3.8	31
6	Recent Progress in Graphene/Polymer Nanocomposites. <i>Advanced Materials</i> , 2021, 33, e2001105.	11.1	210
7	In Situ Dual-Template Method of Synthesis of Inverse-Opal Co <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> with Wideband Microwave Absorption. <i>Inorganic Chemistry</i> , 2021, 60, 18455-18465.	1.9	15
8	Microwave absorption enhancement via graphene sheet-guided preparation of flake-like titanium carbide. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	3
9	Porous-Carbon Aerogels with Tailored Sub-Nanopores for High Cycling Stability and Rate Capability Potassium-Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27045-27054.	4.0	16
10	Large-scale synthesis of hollow carbon fibers with ultra-large diameter by thermally controlled pyrolysis. <i>Journal of the American Ceramic Society</i> , 2020, 103, 5629-5637.	1.9	5
11	Anisotropic Electromagnetic Absorption of Aligned Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene/Gelatin Nanocomposite Aerogels. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33128-33138.	4.0	125
12	Flexible Composite Carbon Films Prepared by a Pancake-Making Method for Electromagnetic Interference Shielding. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901815.	1.9	29
13	Highly Conductive Multifunctional rGO/CNT Hybrid Sponge for Electromagnetic Wave Shielding and Strain Sensor. <i>Advanced Materials Technologies</i> , 2019, 4, 1900443.	3.0	32
14	Dependence of reduction degree on electromagnetic absorption of graphene nanoribbon unzipped from carbon nanotube. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 196-203.	5.0	37
15	Fibrous Composites with Double-Continuous Conductive Network for Strong Low-Frequency Microwave Absorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 11927-11938.	1.8	39
16	Lightweight, mechanically flexible and thermally superinsulating rGO/polyimide nanocomposite foam with an anisotropic microstructure. <i>Nanoscale Advances</i> , 2019, 1, 4895-4903.	2.2	27
17	Lightweight and Efficient Microwave-Absorbing Materials Based on Loofah-Sponge-Derived Hierarchically Porous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1228-1238.	3.2	111
18	Superflexible Interconnected Graphene Network Nanocomposites for High-Performance Electromagnetic Interference Shielding. <i>ACS Omega</i> , 2018, 3, 3599-3607.	1.6	40

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19	Variable densification of reduced graphene oxide foam into multifunctional high-performance graphene paper. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12321-12328.	2.7	37
20	The Out-of-Plane Compression Behavior of Cross-Ply AS4/PEEK Thermoplastic Composite Laminates at High Strain Rates. <i>Materials</i> , 2018, 11, 2312.	1.3	17
21	Controlled Airâ€Etching Synthesis of Porousâ€Carbon Nanotube Aerogels with Ultrafast Charging at 1000 A g <sup>-1</sup> . <i>Small</i> , 2018, 14, e1802394.	5.2	37
22	Facile Synthesis of Highly Defected Silicon Carbide Sheets for Efficient Absorption of Electromagnetic Waves. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18537-18544.	1.5	49
23	Stiff, Thermally Stable and Highly Anisotropic Wood-Derived Carbon Composite Monoliths for Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21371-21381.	4.0	148
24	Superlight, Mechanically Flexible, Thermally Superinsulating, and Antifrosting Anisotropic Nanocomposite Foam Based on Hierarchical Graphene Oxide Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44010-44017.	4.0	60
25	Shape-memory polymer nanocomposites with a 3D conductive network for bidirectional actuation and locomotion application. <i>Nanoscale</i> , 2016, 8, 18042-18049.	2.8	74
26	Highly Stable Carbon Nanotube/Polyaniline Porous Network for Multifunctional Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34027-34033.	4.0	55
27	Biomimic Hairy Skin Tactile Sensor Based on Ferromagnetic Microwires. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33848-33855.	4.0	33
28	Multifunctional, Highly Flexible, Freeâ€Standing 3D Polypyrrole Foam. <i>Small</i> , 2016, 12, 4070-4076.	5.2	71
29	Multifunctional Stiff Carbon Foam Derived from Bread. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16852-16861.	4.0	151
30	Double polymer sheathed carbon nanotube supercapacitors show enhanced cycling stability. <i>Nanoscale</i> , 2016, 8, 626-633.	2.8	36
31	Graphene aerogel composites derived from recycled cigarette filters for electromagnetic wave absorption. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11893-11901.	2.7	134
32	Lightweight, Superelastic, and Mechanically Flexible Graphene/Polyimide Nanocomposite Foam for Strain Sensor Application. <i>ACS Nano</i> , 2015, 9, 8933-8941.	7.3	666
33	Largeâ€Deformation, Multifunctional Artificial Muscles Based on Singleâ€Walled Carbon Nanotube Yarns. <i>Advanced Engineering Materials</i> , 2015, 17, 14-20.	1.6	36
34	Multifunctional graphene sheetâ€nanoribbon hybrid aerogels. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14994-15000.	5.2	54
35	Overtwisted, Resolvable Carbon Nanotube Yarn Entanglement as Strain Sensors and Rotational Actuators. <i>ACS Nano</i> , 2013, 7, 8128-8135.	7.3	94
36	Microstructure, mechanical and oxidation properties of in-situ synthesized (Y <sub>2</sub> O <sub>3</sub> -x%TiO <sub>2</sub> )/Ti-4.5Si composites. <i>International Journal of Materials Research</i> , 2013, 104, 65-70.	0.1	0

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37	Chemically and uniformly grafting carbon nanotubes onto carbon fibers by poly(amidoamine) for enhancing interfacial strength in carbon fiber composites. <i>Journal of Materials Chemistry</i> , 2012, 22, 5928.	6.7	168
38	Soft-lithographic processed soluble micropatterns of reduced graphene oxide for wafer-scale thin film transistors and gas sensors. <i>Journal of Materials Chemistry</i> , 2012, 22, 714-718.	6.7	34
39	Synthesis and characterization of a new hierarchical reinforcement by chemically grafting graphene oxide onto carbon fibers. <i>Journal of Materials Chemistry</i> , 2012, 22, 18748.	6.7	120
40	Solution-processed bulk heterojunction solar cells based on interpenetrating CdS nanowires and carbon nanotubes. <i>Nano Research</i> , 2012, 5, 595-604.	5.8	9
41	Dependence of Amino-functionalization on Interfacial Adhesion Strength in Epoxy/Al Laminated Composites. <i>Polymers and Polymer Composites</i> , 2012, 20, 445-452.	1.0	1
42	Carbon Nanotubes: Superstretchable Spring-Like Carbon Nanotube Ropes ( <i>Adv. Mater.</i> 21/2012). <i>Advanced Materials</i> , 2012, 24, 2935-2935.	11.1	3
43	Enhancement of composite-metal interfacial adhesion strength by dendrimer. <i>Surface and Interface Analysis</i> , 2011, 43, 726-733.	0.8	7
44	Improving the Cyclic Oxidation Resistance of $Ti_3AlC_2$ at 550°C and 650°C by Preoxidation at 1100°C. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 760-765.	1.1	6
45	Rapid synthesis of bulk $Ti_2AlC$ by self-propagating high temperature combustion synthesis with a pseudo-hot isostatic pressing process. <i>Journal of Materials Research</i> , 2009, 24, 2528-2535.	1.2	76
46	Shape Evolution and Magnetic Properties of Cobalt Sulfide. <i>Crystal Growth and Design</i> , 2008, 8, 3745-3749.	1.4	123