Yibin Li

List of Publications by Year
in descending order

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46 papers	3,192 citations	172207 29 h-index	233125 45 g-index
46 all docs	46 docs citations	46 times ranked	4278 citing authors

#	Article	IF	Citations
1	Lightweight, Superelastic, and Mechanically Flexible Graphene/Polyimide Nanocomposite Foam for Strain Sensor Application. ACS Nano, 2015, 9, 8933-8941.	7.3	666
2	Recent Progress in Graphene/Polymer Nanocomposites. Advanced Materials, 2021, 33, e2001105.	11.1	210
3	Chemically and uniformly grafting carbon nanotubes onto carbon fibers by poly(amidoamine) for enhancing interfacial strength in carbon fiber composites. Journal of Materials Chemistry, 2012, 22, 5928.	6.7	168
4	Multifunctional Stiff Carbon Foam Derived from Bread. ACS Applied Materials & Interfaces, 2016, 8, 16852-16861.	4.0	151
5	Stiff, Thermally Stable and Highly Anisotropic Wood-Derived Carbon Composite Monoliths for Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2017, 9, 21371-21381.	4.0	148
6	Graphene aerogel composites derived from recycled cigarette filters for electromagnetic wave absorption. Journal of Materials Chemistry C, 2015, 3, 11893-11901.	2.7	134
7	Anisotropic Electromagnetic Absorption of Aligned Ti₃C₂T_x MXene/Gelatin Nanocomposite Aerogels. ACS Applied Materials & Interfaces, 2020, 12, 33128-33138.	4.0	125
8	Shape Evolution and Magnetic Properties of Cobalt Sulfide. Crystal Growth and Design, 2008, 8, 3745-3749.	1.4	123
9	Synthesis and characterization of a new hierarchical reinforcement by chemically grafting graphene oxide onto carbon fibers. Journal of Materials Chemistry, 2012, 22, 18748.	6.7	120
10	Lightweight and Efficient Microwave-Absorbing Materials Based on Loofah-Sponge-Derived Hierarchically Porous Carbons. ACS Sustainable Chemistry and Engineering, 2019, 7, 1228-1238.	3.2	111
11	Achieving Super Broadband Electromagnetic Absorption by Optimizing Impedance Match of rGO Sponge Metamaterials. Advanced Functional Materials, 2022, 32, 2107508.	7.8	107
12	Overtwisted, Resolvable Carbon Nanotube Yarn Entanglement as Strain Sensors and Rotational Actuators. ACS Nano, 2013, 7, 8128-8135.	7.3	94
13	Rapid synthesis of bulk Ti₂AlC by self-propagating high temperature combustion synthesis with a pseudoâ€“hot isostatic pressing process. Journal of Materials Research, 2009, 24, 2528-2535.	1.2	76
14	Shape-memory polymer nanocomposites with a 3D conductive network for bidirectional actuation and locomotion application. Nanoscale, 2016, 8, 18042-18049.	2.8	74
15	Multifunctional, Highly Flexible, Freeâ€Standing 3D Polypyrrole Foam. Small, 2016, 12, 4070-4076.	5.2	71
16	Superlight, Mechanically Flexible, Thermally Superinsulating, and Antifrosting Anisotropic Nanocomposite Foam Based on Hierarchical Graphene Oxide Assembly. ACS Applied Materials & Interfaces, 2017, 9, 44010-44017.	4.0	60
17	Highly Stable Carbon Nanotube/Polyaniline Porous Network for Multifunctional Applications. ACS Applied Materials & Interfaces, 2016, 8, 34027-34033.	4.0	55
18	Multifunctional graphene sheetâ€“nanoribbon hybrid aerogels. Journal of Materials Chemistry A, 2014, 2, 14994-15000.	5.2	54

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19	Facile Synthesis of Highly Defected Silicon Carbide Sheets for Efficient Absorption of Electromagnetic Waves. Journal of Physical Chemistry C, 2018, 122, 18537-18544.	1.5	49
20	Superflexible Interconnected Graphene Network Nanocomposites for High-Performance Electromagnetic Interference Shielding. ACS Omega, 2018, 3, 3599-3607.	1.6	40
21	Fibrous Composites with Double-Continuous Conductive Network for Strong Low-Frequency Microwave Absorption. Industrial & Engineering Chemistry Research, 2019, 58, 11927-11938.	1.8	39
22	Variable densification of reduced graphene oxide foam into multifunctional high-performance graphene paper. Journal of Materials Chemistry C, 2018, 6, 12321-12328.	2.7	37
23	Controlled Airâ€Etching Synthesis of Porousâ€Carbon Nanotube Aerogels with Ultrafast Charging at 1000 A g^{â^'1}. Small, 2018, 14, e1802394.	5.2	37
24	Dependence of reduction degree on electromagnetic absorption of graphene nanoribbon unzipped from carbon nanotube. Journal of Colloid and Interface Science, 2019, 552, 196-203.	5.0	37
25	Largeâ€Deformation, Multifunctional Artificial Muscles Based on Singleâ€Walled Carbon Nanotube Yarns. Advanced Engineering Materials, 2015, 17, 14-20.	1.6	36
26	Double polymer sheathed carbon nanotube supercapacitors show enhanced cycling stability. Nanoscale, 2016, 8, 626-633.	2.8	36
27	Soft-lithographic processed soluble micropatterns of reduced graphene oxide for wafer-scale thin film transistors and gas sensors. Journal of Materials Chemistry, 2012, 22, 714-718.	6.7	34
28	Biomimic Hairy Skin Tactile Sensor Based on Ferromagnetic Microwires. ACS Applied Materials & Interfaces, 2016, 8, 33848-33855.	4.0	33
29	Highly Conductive Multifunctional rGO/CNT Hybrid Sponge for Electromagnetic Wave Shielding and Strain Sensor. Advanced Materials Technologies, 2019, 4, 1900443.	3.0	32
30	Reduced Graphene Oxide/Carbon Nanofiber Based Composite Fabrics with Spider Web-like Structure for Microwave Absorbing Applications. Advanced Fiber Materials, 2022, 4, 1164-1176.	7.9	31
31	Anisotropic electromagnetic absorption of the aligned Ti3C2Tx MXene/RGO nanocomposite foam. Composites Science and Technology, 2022, 227, 109609.	3.8	31
32	Flexible Composite Carbon Films Prepared by a Pancakeâ€Making Method for Electromagnetic Interference Shielding. Advanced Materials Interfaces, 2020, 7, 1901815.	1.9	29
33	Lightweight, mechanically flexible and thermally superinsulating rGO/polyimide nanocomposite foam with an anisotropic microstructure. Nanoscale Advances, 2019, 1, 4895-4903.	2.2	27
34	Reduced Graphene Oxide/MXene Composite Foam with Multilayer Structure for Electromagnetic Interference Shielding and Heat Insulation Applications. Advanced Engineering Materials, 2022, 24, .	1.6	18
35	The Out-of-Plane Compression Behavior of Cross-Ply AS4/PEEK Thermoplastic Composite Laminates at High Strain Rates. Materials, 2018, 11, 2312.	1.3	17
36	Twinâ€Structured Graphene Metamaterials with Anomalous Mechanical Properties. Advanced Materials, 2022, 34, e2200444.	11.1	17

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37	Porous-Carbon Aerogels with Tailored Sub-Nanopores for High Cycling Stability and Rate Capability Potassium-Ion Battery Anodes. ACS Applied Materials & Interfaces, 2020, 12, 27045-27054.	4.0	16
38	In Situ Dual-Template Method of Synthesis of Inverse-Opal Co₃O₄@TiO₂ with Wideband Microwave Absorption. Inorganic Chemistry, 2021, 60, 18455-18465.	1.9	15
39	Solution-processed bulk heterojunction solar cells based on interpenetrating CdS nanowires and carbon nanotubes. Nano Research, 2012, 5, 595-604.	5.8	9
40	Enhancement of compositeâ€metal interfacial adhesion strength by dendrimer. Surface and Interface Analysis, 2011, 43, 726-733.	0.8	7
41	Improving the Cyclicâ€Oxidation Resistance of Ti₃AlC₂at 550Â°C and 650Â°C by Preoxidation at 1100Â°C. International Journal of Applied Ceramic Technology, 2010, 7, 760-765.	1.1	6
42	Largeâ€scale synthesis of hollow carbon fibers with ultraâ€large diameter by thermally controlled pyrolysis. Journal of the American Ceramic Society, 2020, 103, 5629-5637.	1.9	5
43	Carbon Nanotubes: Superâ€Stretchable Springâ€Like Carbon Nanotube Ropes (Adv. Mater. 21/2012). Advanced Materials, 2012, 24, 2935-2935.	11.1	3
44	Microwave absorption enhancement via graphene sheet-guided preparation of flake-like titanium carbide. Journal of Applied Physics, 2021, 130, .	1.1	3
45	Dependence of Amino-functionalization on Interfacial Adhesion Strength in Epoxy/Al Laminated Composites. Polymers and Polymer Composites, 2012, 20, 445-452.	1.0	1
46	Microstructure, mechanical and oxidation properties of in-situ synthesized (Y₂O₃â€‰+â€‰TiC)/Ti-4.5Si composites. International Journal of Materials Research, 2013, 104, 65-70.	0.1	0