

# Dazhi Jiang

## 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.

34  
papers

58,775  
citations

17  
h-index

35  
g-index

35  
ext. papers

64,824  
ext. citations

5.8  
avg, IF

7.03  
L-index

#	Paper	IF	Citations
34	Electric field effect in atomically thin carbon films. <i>Science</i> , <b>2004</b> , 306, 666-9	33.3	47045
33	Raman spectrum of graphene and graphene layers. <i>Physical Review Letters</i> , <b>2006</b> , 97, 187401	7.4	11029
32	Enhanced mechanical and electrical properties of carbon nanotube buckypaper by in situ cross-linking. <i>Carbon</i> , <b>2013</b> , 63, 125-132	10.4	87
31	Review on techniques to improve the strength of adhesive joints with composite adherends. <i>Composites Part B: Engineering</i> , <b>2019</b> , 177, 107363	10	64
30	3D Bridged Carbon Nanoring/Graphene Hybrid Paper as a High-Performance Lateral Heat Spreader. <i>Small</i> , <b>2015</b> , 11, 6197-204	11	63
29	Interconnected multi-walled carbon nanotubes reinforced polymer-matrix composites. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 466-470	8.6	52
28	Molecular dynamics simulation of mechanical performance of graphene/graphene oxide paper based polymer composites. <i>Carbon</i> , <b>2014</b> , 67, 784-791	10.4	48
27	Anisotropic mechanical properties of diamond lattice composites structures. <i>Composite Structures</i> , <b>2014</b> , 109, 23-30	5.3	35
26	A pressurized filtration technique for fabricating carbon nanotube buckypaper: Structure, mechanical and conductive properties. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 184, 127-133	5.3	33
25	Influence of geometries of multi-walled carbon nanotubes on the pore structures of Buckypaper. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2012</b> , 43, 469-474	8.4	32
24	Compaction Behavior and Part Thickness Variation in Vacuum Infusion Molding Process. <i>Applied Composite Materials</i> , <b>2012</b> , 19, 443-458	2	30
23	Ultrathin nitrogen-doping graphene films for flexible and stretchable EMI shielding materials. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 7165-7179	4.3	29
22	Ultrathin flexible graphene films with high thermal conductivity and excellent EMI shielding performance using large-sized graphene oxide flakes.. <i>RSC Advances</i> , <b>2019</b> , 9, 1419-1427	3.7	23
21	Determining the interphase thickness and properties in carbon fiber reinforced fast and conventional curing epoxy matrix composites using peak force atomic force microscopy. <i>Composites Science and Technology</i> , <b>2019</b> , 184, 107877	8.6	22
20	Effects of free organic groups in carbon nanotubes on glass transition temperature of epoxy matrix composites. <i>Composites Science and Technology</i> , <b>2015</b> , 118, 269-275	8.6	20
19	Probing the Effect of Salinity and pH on Surface Interactions between Air Bubbles and Hydrophobic Solids: Implications for Colloidal Assembly at Air/Water Interfaces. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 1568-1577	4.5	18
18	Enhancement of pullout energy in a single-walled carbon nanotube-polyethylene composite system via auxetic effect. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 55, 188-194	8.4	17

17	Investigation of strain history in fast and conventional curing epoxy matrix composites by FBGs. <i>Composites Science and Technology</i> , <b>2018</b> , 159, 18-24	8.6	14
16	Exploration relation between interlaminar shear properties of thin-ply laminates under short-beam bending and meso-structures. <i>Journal of Composite Materials</i> , <b>2018</b> , 52, 2375-2386	2.7	14
15	Nano-engineering thermal transport performance of carbon nanotube networks with polymer intercalation: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4378-85	3.6	14
14	On the Microstructure and Electrochemical Properties of Additively Manufactured Duplex Stainless Steels Produced Using Laser-Powder Bed Fusion. <i>Corrosion</i> , <b>2020</b> , 76, 871-883	1.8	13
13	On the Characterization of a Hitherto Unreported Icosahedral Quasicrystal Phase in Additively Manufactured Aluminum Alloy AA7075. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2019</b> , 50, 529-533	2.3	13
12	Glass transition temperature of amino groups grafted carbon nanotubes reinforced epoxy resin composites: Role of strong interphase. <i>Polymer Composites</i> , <b>2018</b> , 39, E1129-E1138	3	12
11	Phase change material filled hybrid 2D / 3D graphene structure with ultra-high thermal effusivity for effective thermal management. <i>Carbon</i> , <b>2021</b> , 176, 11-20	10.4	11
10	Two-stage mechanical percolation in the epoxy resin intercalated buckypaper with high mechanical performance. <i>RSC Advances</i> , <b>2013</b> , 3, 15290	3.7	10
9	Rheological behaviors and processing windows of low viscosity epoxy resin for VIMP. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2011</b> , 26, 931-934	1	6
8	In situ reduction of graphene oxide in the poly (vinyl alcohol) matrix via microwave irradiation. <i>Polymer Composites</i> , <b>2019</b> , 40, 170-178	3	6
7	Thermal conductivity of carbon nanoring linked graphene sheets: A molecular dynamics investigation. <i>Chinese Physics B</i> , <b>2017</b> , 26, 106502	1.2	5
6	Effects of nano-SiO <sub>2</sub> on mechanical and hygric behaviors of glass fiber reinforced epoxy composites. <i>Science and Engineering of Composite Materials</i> , <b>2018</b> , 25, 253-259	1.5	3
5	A strategy to reduce delamination of adhesive joints with composite substrates. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , <b>2018</b> , 146442071880571	1.3	2
4	Graphene Films for Flexible EMI Shielding Materials with Cross-Linked Structure via Reaction with Diamine Monomers. <i>Nano</i> , <b>2020</b> , 15, 2050157	1.1	1
3	Preparation of phase change material filled hybrid 2D/3D graphene structure with ultra-high thermal effusivity for effective thermal management. <i>MethodsX</i> , <b>2021</b> , 8, 101385	1.9	1
2	Dynamic Contact Performance of Rubber Materials for Designing Wiper Blades. <i>Journal of Materials Engineering and Performance</i> , <b>2009</b> , 18, 255-262	1.6	0
1	Interaction between carbon nanotubes with functional groups and epoxy resin and its effect on thermal properties of carbon nanotubes/epoxy composites. <i>Journal of Composite Materials</i> , <b>2022</b> , 56, 1287-1298	2.7	0