Dazhi Jiang

List of Publications by Year in Descending Order

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	Interaction between carbon nanotubes with functional groups and epoxy resin and its effect on thermal properties of carbon nanotubes/epoxy composites. *Journal of Composite Materials*, **2022**, 56, 1287-1298	2.7	0
33	Phase change material filled hybrid 2D / 3D graphene structure with ultra-high thermal effusivity for effective thermal management. *Carbon*, **2021**, 176, 11-20	10.4	11
32	Preparation of phase change material filled hybrid 2D/3D graphene structure with ultra-high thermal effusivity for effective thermal management. *MethodsX*, **2021**, 8, 101385	1.9	1
31	On the Microstructure and Electrochemical Properties of Additively Manufactured Duplex Stainless Steels Produced Using Laser-Powder Bed Fusion. *Corrosion*, **2020**, 76, 871-883	1.8	13
30	Graphene Films for Flexible EMI Shielding Materials with Cross-Linked Structure via Reaction with Diamine Monomers. *Nano*, **2020**, 15, 2050157	1.1	1
29	Review on techniques to improve the strength of adhesive joints with composite adherends. *Composites Part B: Engineering*, **2019**, 177, 107363	10	64
28	Ultrathin flexible graphene films with high thermal conductivity and excellent EMI shielding performance using large-sized graphene oxide flakes.. *RSC Advances*, **2019**, 9, 1419-1427	3.7	23
27	Ultrathin nitrogen-doping graphene films for flexible and stretchable EMI shielding materials. *Journal of Materials Science*, **2019**, 54, 7165-7179	4.3	29
26	Determining the interphase thickness and properties in carbon fiber reinforced fast and conventional curing epoxy matrix composites using peak force atomic force microscopy. *Composites Science and Technology*, **2019**, 184, 107877	8.6	22
25	On the Characterization of a Hitherto Unreported Icosahedral Quasicrystal Phase in Additively Manufactured Aluminum Alloy AA7075. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 529-533	2.3	13
24	In situ reduction of graphene oxide in the poly (vinyl alcohol) matrix via microwave irradiation. *Polymer Composites*, **2019**, 40, 170-178	3	6
23	Investigation of strain history in fast and conventional curing epoxy matrix composites by FBGs. *Composites Science and Technology*, **2018**, 159, 18-24	8.6	14
22	Exploration relation between interlaminar shear properties of thin-ply laminates under short-beam bending and meso-structures. *Journal of Composite Materials*, **2018**, 52, 2375-2386	2.7	14
21	Effects of nano-SiO2 on mechanical and hygric behaviors of glass fiber reinforced epoxy composites. *Science and Engineering of Composite Materials*, **2018**, 25, 253-259	1.5	3
20	Glass transition temperature of amino groups grafted carbon nanotubes reinforced epoxy resin composites: Role of strong interphase. *Polymer Composites*, **2018**, 39, E1129-E1138	3	12
19	A strategy to reduce delamination of adhesive joints with composite substrates. *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, **2018**, 1464420718805711	1.3	2
18	Probing the Effect of Salinity and pH on Surface Interactions between Air Bubbles and Hydrophobic Solids: Implications for Colloidal Assembly at Air/Water Interfaces. *Chemistry - an Asian Journal*, **2017**, 12, 1568-1577	4.5	18

17	Thermal conductivity of carbon nanoring linked graphene sheets: A molecular dynamics investigation. *Chinese Physics B*, **2017**, 26, 106502	1.2	5
16	Effects of free organic groups in carbon nanotubes on glass transition temperature of epoxy matrix composites. *Composites Science and Technology*, **2015**, 118, 269-275	8.6	20
15	3D Bridged Carbon Nanoring/Graphene Hybrid Paper as a High-Performance Lateral Heat Spreader. *Small*, **2015**, 11, 6197-204	11	63
14	Nano-engineering thermal transport performance of carbon nanotube networks with polymer intercalation: a molecular dynamics study. *Physical Chemistry Chemical Physics*, **2014**, 16, 4378-85	3.6	14
13	Molecular dynamics simulation of mechanical performance of graphene/graphene oxide paper based polymer composites. *Carbon*, **2014**, 67, 784-791	10.4	48
12	Anisotropic mechanical properties of diamond lattice composites structures. *Composite Structures*, **2014**, 109, 23-30	5.3	35
11	A pressurized filtration technique for fabricating carbon nanotube buckypaper: Structure, mechanical and conductive properties. *Microporous and Mesoporous Materials*, **2014**, 184, 127-133	5.3	33
10	Two-stage mechanical percolation in the epoxy resin intercalated buckypaper with high mechanical performance. *RSC Advances*, **2013**, 3, 15290	3.7	10
9	Enhanced mechanical and electrical properties of carbon nanotube buckypaper by in situ cross-linking. *Carbon*, **2013**, 63, 125-132	10.4	87
8	Enhancement of pullout energy in a single-walled carbon nanotube-polyethylene composite system via auxetic effect. *Composites Part A: Applied Science and Manufacturing*, **2013**, 55, 188-194	8.4	17
7	Influence of geometries of multi-walled carbon nanotubes on the pore structures of Buckypaper. *Composites Part A: Applied Science and Manufacturing*, **2012**, 43, 469-474	8.4	32
6	Compaction Behavior and Part Thickness Variation in Vacuum Infusion Molding Process. *Applied Composite Materials*, **2012**, 19, 443-458	2	30
5	Rheological behaviors and processing windows of low viscosity epoxy resin for VIMP. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 931-934	1	6
4	Interconnected multi-walled carbon nanotubes reinforced polymer-matrix composites. *Composites Science and Technology*, **2011**, 71, 466-470	8.6	52
3	Dynamic Contact Performance of Rubber Materials for Designing Wiper Blades. *Journal of Materials Engineering and Performance*, **2009**, 18, 255-262	1.6	0
2	Raman spectrum of graphene and graphene layers. *Physical Review Letters*, **2006**, 97, 187401	7.4	11029
1	Electric field effect in atomically thin carbon films. *Science*, **2004**, 306, 666-9	33.3	47045