Dazhi Jiang

List of Publications by Year
in descending order

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34 papers	69,888 citations	361045 20 h-index	377514 34 g-index
35 all docs	35 docs citations	35 times ranked	61522 citing authors

#	Article	IF	Citations
1	Electric Field Effect in Atomically Thin Carbon Films. Science, 2004, 306, 666-669.	6.0	56,177
2	Raman Spectrum of Graphene and Graphene Layers. Physical Review Letters, 2006, 97, 187401.	2.9	12,689
3	Review on techniques to improve the strength of adhesive joints with composite adherends. Composites Part B: Engineering, 2019, 177, 107363.	5.9	137
4	Enhanced mechanical and electrical properties of carbon nanotube buckypaper by in situ cross-linking. Carbon, 2013, 63, 125-132.	5.4	101
5	3D Bridged Carbon Nanoring/Graphene Hybrid Paper as a Highâ€Performance Lateral Heat Spreader. Small, 2015, 11, 6197-6204.	5.2	79
6	Interconnected multi-walled carbon nanotubes reinforced polymer-matrix composites. Composites Science and Technology, 2011, 71, 466-470.	3.8	63
7	Molecular dynamics simulation of mechanical performance of graphene/graphene oxide paper based polymer composites. Carbon, 2014, 67, 784-791.	5.4	60
8	Anisotropic mechanical properties of diamond lattice composites structures. Composite Structures, 2014, 109, 23-30.	3.1	49
9	Ultrathin nitrogen-doping graphene films for flexible and stretchable EMI shielding materials. Journal of Materials Science, 2019, 54, 7165-7179.	1.7	47
10	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.	1.7	45
11	A pressurized filtration technique for fabricating carbon nanotube buckypaper: Structure, mechanical and conductive properties. Microporous and Mesoporous Materials, 2014, 184, 127-133.	2.2	43
12	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.	3.8	41
13	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.	3.8	38
14	Compaction Behavior and Part Thickness Variation in Vacuum Infusion Molding Process. Applied Composite Materials, 2012, 19, 443-458.	1.3	32
15	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.	1.2	30
16	Phase change material filled hybrid 2D / 3D graphene structure with ultra-high thermal effusivity for effective thermal management. Carbon, 2021, 176, 11-20.	5.4	29
17	Effects of free organic groups in carbon nanotubes on glass transition temperature of epoxy matrix composites. Composites Science and Technology, 2015, 118, 269-275.	3.8	26
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.	1.7	26

#	Article	IF	Citations
19	On the Microstructure and Electrochemical Properties of Additively Manufactured Duplex Stainless Steels Produced Using Laser-Powder Bed Fusion. Corrosion, 2020, 76, 871-883.	0.5	25
20	Investigation of strain history in fast and conventional curing epoxy matrix composites by FBGs. Composites Science and Technology, 2018, 159, 18-24.	3.8	21
21	Nano-engineering thermal transport performance of carbon nanotube networks with polymer intercalation: a molecular dynamics study. Physical Chemistry Chemical Physics, 2014, 16, 4378.	1.3	19
22	Glass transition temperature of amino groups grafted carbon nanotubes reinforced epoxy resin composites: Role of strong interphase. Polymer Composites, 2018, 39, E1129.	2.3	19
23	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.	3.8	18
24	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.	1.1	18
25	Two-stage mechanical percolation in the epoxy resin intercalated buckypaper with high mechanical performance. RSC Advances, 2013, 3, 15290.	1.7	10
26	Rheological behaviors and processing windows of low viscosity epoxy resin for VIMP. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 931-934.	0.4	7
27	In situ reduction of graphene oxide in the poly (vinyl alcohol) matrix via microwave irradiation. Polymer Composites, 2019, 40, 170-178.	2.3	7
28	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.	0.6	6
29	Preparation of phase change material filled hybrid 2D/3D graphene structure with ultra-high thermal effusivity for effective thermal management. MethodsX, 2021, 8, 101385.	0.7	6
30	Thermal conductivity of carbon nanoring linked graphene sheets: A molecular dynamics investigation. Chinese Physics B, 2017, 26, 106502.	0.7	5
31	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.	1.2	5
32	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, 0, , 146442071880571.	0.7	4
33	Dynamic Contact Performance of Rubber Materials for Designing Wiper Blades. Journal of Materials Engineering and Performance, 2009, 18, 255-262.	1.2	1
34	Graphene Films for Flexible EMI Shielding Materials with Cross-Linked Structure via Reaction with Diamine Monomers. Nano, 2020, 15, 2050157.	0.5	1