

Dazhi Jiang

List of Publications by Year in descending order

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34
papers

69,888
citations

411340

20
h-index

425179

34
g-index

35
all docs

35
docs citations

35
times ranked

70559
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric Field Effect in Atomically Thin Carbon Films. <i>Science</i> , 2004, 306, 666-669.	6.0	56,177
2	Raman Spectrum of Graphene and Graphene Layers. <i>Physical Review Letters</i> , 2006, 97, 187401.	2.9	12,689
3	Review on techniques to improve the strength of adhesive joints with composite adherends. <i>Composites Part B: Engineering</i> , 2019, 177, 107363.	5.9	137
4	Enhanced mechanical and electrical properties of carbon nanotube buckypaper by in situ cross-linking. <i>Carbon</i> , 2013, 63, 125-132.	5.4	101
5	3D Bridged Carbon Nanoring/Graphene Hybrid Paper as a High-Performance Lateral Heat Spreader. <i>Small</i> , 2015, 11, 6197-6204.	5.2	79
6	Interconnected multi-walled carbon nanotubes reinforced polymer-matrix composites. <i>Composites Science and Technology</i> , 2011, 71, 466-470.	3.8	63
7	Molecular dynamics simulation of mechanical performance of graphene/graphene oxide paper based polymer composites. <i>Carbon</i> , 2014, 67, 784-791.	5.4	60
8	Anisotropic mechanical properties of diamond lattice composites structures. <i>Composite Structures</i> , 2014, 109, 23-30.	3.1	49
9	Ultrathin nitrogen-doping graphene films for flexible and stretchable EMI shielding materials. <i>Journal of Materials Science</i> , 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. <i>RSC Advances</i> , 2019, 9, 1419-1427.	1.7	45
11	A pressurized filtration technique for fabricating carbon nanotube buckypaper: Structure, mechanical and conductive properties. <i>Microporous and Mesoporous Materials</i> , 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. <i>Composites Science and Technology</i> , 2019, 184, 107877.	3.8	41
13	Influence of geometries of multi-walled carbon nanotubes on the pore structures of Buckypaper. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 469-474.	3.8	38
14	Compaction Behavior and Part Thickness Variation in Vacuum Infusion Molding Process. <i>Applied Composite Materials</i> , 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. <i>Journal of Composite Materials</i> , 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. <i>Carbon</i> , 2021, 176, 11-20.	5.4	29
17	Effects of free organic groups in carbon nanotubes on glass transition temperature of epoxy matrix composites. <i>Composites Science and Technology</i> , 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. <i>Chemistry - an Asian Journal</i> , 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. <i>Corrosion</i> , 2020, 76, 871-883.	0.5	25
20	Investigation of strain history in fast and conventional curing epoxy matrix composites by FBGs. <i>Composites Science and Technology</i> , 2018, 159, 18-24.	3.8	21
21	Nano-engineering thermal transport performance of carbon nanotube networks with polymer intercalation: a molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4378.	1.3	19
22	Glass transition temperature of amino groups grafted carbon nanotubes reinforced epoxy resin composites: Role of strong interphase. <i>Polymer Composites</i> , 2018, 39, E1129.	2.3	19
23	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> , 2013, 55, 188-194.	3.8	18
24	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> , 2019, 50, 529-533.	1.1	18
25	Two-stage mechanical percolation in the epoxy resin intercalated buckypaper with high mechanical performance. <i>RSC Advances</i> , 2013, 3, 15290.	1.7	10
26	Rheological behaviors and processing windows of low viscosity epoxy resin for VIMP. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 931-934.	0.4	7
27	<i>In situ</i> reduction of graphene oxide in the poly (vinyl alcohol) matrix via microwave irradiation. <i>Polymer Composites</i> , 2019, 40, 170-178.	2.3	7
28	Effects of nano-SiO ₂ on mechanical and hygric behaviors of glass fiber reinforced epoxy composites. <i>Science and Engineering of Composite Materials</i> , 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. <i>MethodsX</i> , 2021, 8, 101385.	0.7	6
30	Thermal conductivity of carbon nanoring linked graphene sheets: A molecular dynamics investigation. <i>Chinese Physics B</i> , 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. <i>Journal of Composite Materials</i> , 2022, 56, 1287-1298.	1.2	5
32	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> , 0, , 146442071880571.	0.7	4
33	Dynamic Contact Performance of Rubber Materials for Designing Wiper Blades. <i>Journal of Materials Engineering and Performance</i> , 2009, 18, 255-262.	1.2	1
34	Graphene Films for Flexible EMI Shielding Materials with Cross-Linked Structure via Reaction with Diamine Monomers. <i>Nano</i> , 2020, 15, 2050157.	0.5	1