

# Ke Duan

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

528  
citations

623734

14  
h-index

752698

20  
g-index

27  
all docs

27  
docs citations

27  
times ranked

481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal enhancement to the quality factors of carbon nanotube via defects engineering. <i>Nano Materials Science</i> , 2022, 4, 259-265.	8.8	4
2	A critical role of CNT real volume fraction on nanocomposite modulus. <i>Carbon</i> , 2022, 189, 395-403.	10.3	13
3	New insights into interface interactions of CNT-reinforced epoxy nanocomposites. <i>Composites Science and Technology</i> , 2021, 204, 108638.	7.8	29
4	A multilayer coarse-grained molecular dynamics model for mechanical analysis of mesoscale graphene structures. <i>Carbon</i> , 2021, 178, 528-539.	10.3	15
5	Tuning the through-thickness orientation of 1D nanocarbons to enhance the electrical conductivity and ILSS of hierarchical CFRP composites. <i>Science and Engineering of Composite Materials</i> , 2021, 28, 453-465.	1.4	5
6	Machine-learning assisted coarse-grained model for epoxies over wide ranges of temperatures and cross-linking degrees. <i>Materials and Design</i> , 2019, 183, 108130.	7.0	32
7	Importance of Interface in the Coarse-Grained Model of CNT /Epoxy Nanocomposites. <i>Nanomaterials</i> , 2019, 9, 1479.	4.1	15
8	Vibration of nonlocal strain gradient beams incorporating Poisson's ratio and thickness effects. <i>Thin-Walled Structures</i> , 2019, 137, 377-391.	5.3	74
9	Diamond nanothreads as novel nanofillers for cross-linked epoxy nanocomposites. <i>Composites Science and Technology</i> , 2019, 174, 84-93.	7.8	30
10	Diamond nanothread based resonators: ultrahigh sensitivity and low dissipation. <i>Nanoscale</i> , 2018, 10, 8058-8065.	5.6	44
11	Pillared graphene as excellent reinforcement for polymer-based nanocomposites. <i>Materials and Design</i> , 2018, 147, 11-18.	7.0	20
12	High intrinsic dissipation of graphyne nanotubes. <i>Europhysics Letters</i> , 2018, 122, 46001.	2.0	6
13	Effect of Defects on the Thermal Transport across the Graphene/Hexagonal Boron Nitride Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14945-14953.	3.1	44
14	Enhanced interfacial strength of carbon nanotube/copper nanocomposites via Ni-coating: Molecular-dynamics insights. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 88, 259-264.	2.7	32
15	Pillared graphene as an ultra-high sensitivity mass sensor. <i>Scientific Reports</i> , 2017, 7, 14012.	3.3	49
16	Damping characteristic of Ni-coated carbon nanotube/copper composite. <i>Materials and Design</i> , 2017, 133, 455-463.	7.0	34
17	Interface mechanical properties of graphene reinforced copper nanocomposites. <i>Materials Research Express</i> , 2017, 4, 115020.	1.6	17
18	Effects of Chirality and Position of Graphene on the Bending Properties of Graphene-Embedded Copper Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 3105-3110.	0.9	3

#	ARTICLE	IF	CITATIONS
19	Ultrasonic power measurement system based on acousto-optic interaction. Review of Scientific Instruments, 2016, 87, 054903.	1.3	6
20	Subsurface damage mechanism of wafer thinning process revealed by molecular dynamics simulation. , 2016, , .		0
21	Effects of chirality and number of graphene layers on the mechanical properties of graphene-embedded copper nanocomposites. Computational Materials Science, 2016, 117, 294-299.	3.0	44
22	Mechanical response of copper nanowires under torsion. , 2015, , .		0
23	Contact resistance investigation of electrical connector with different shrink range. , 2014, , .		6
24	Effect of defects on thermal conductivity of graphene. , 2014, , .		1
25	Warping analysis of DBC substrate based on non-contact shadow moiré technology. , 2014, , .		0
26	Heat conduction study across metal/graphene interface by molecular dynamics. , 2014, , .		0
27	Analysis of insertion force of electric connector based on FEM. , 2014, , .		5