

Junfeng Cui

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,180
citations

567281

15
h-index

501196

28
g-index

28
all docs

28
docs citations

28
times ranked

1102
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced tribological properties of aligned graphene-epoxy composites. <i>Friction</i> , 2022, 10, 854-865.	6.4	18
2	Origin and evolution of a crack in silicon induced by a single grain grinding. <i>Journal of Manufacturing Processes</i> , 2022, 75, 617-626.	5.9	40
3	Quantitatively investigating the self-attraction of nanowires. <i>Nano Research</i> , 2022, 15, 3729-3736.	10.4	3
4	Dynamics of the charging-induced imaging instability in transmission electron microscopy. <i>Nanoscale Advances</i> , 2021, 3, 3035-3040.	4.6	5
5	An <i>in situ</i> TEM nanoindentation-induced new nanostructure in cadmium zinc telluride. <i>Nanoscale</i> , 2021, 13, 7169-7175.	5.6	1
6	Deformation mechanism and in-situ TEM compression behavior of TB8 β^2 titanium alloy with gradient structure. <i>Journal of Materials Science and Technology</i> , 2021, 84, 105-115.	10.7	22
7	Black phosphorene-cellulose nanofiber hybrid paper as flexible heat spreader. <i>2D Materials</i> , 2021, 8, 045029.	4.4	5
8	New findings and current controversies on oxidation of benzyl alcohol by a copper complex. <i>Materials Advances</i> , 2020, 1, 441-449.	5.4	2
9	Self-healing on mismatched fractured composite surfaces of SiC with a diameter of 180 nm. <i>Nanoscale</i> , 2020, 12, 19617-19627.	5.6	3
10	Unprecedented Piezoresistance Coefficient in Strained Silicon Carbide. <i>Nano Letters</i> , 2019, 19, 6569-6576.	9.1	62
11	Enhanced Thermal Conductivity of Epoxy Composites Filled with 2D Transition Metal Carbides (MXenes) with Ultralow Loading. <i>Scientific Reports</i> , 2019, 9, 9135.	3.3	104
12	Ultrahigh Recovery of Fracture Strength on Mismatched Fractured Amorphous Surfaces of Silicon Carbide. <i>ACS Nano</i> , 2019, 13, 7483-7492.	14.6	54
13	High Density Static Charges Governed Surface Activation for Long-Range Motion and Subsequent Growth of Au Nanocrystals. <i>Nanomaterials</i> , 2019, 9, 328.	4.1	1
14	Deformation induced new pathways in silicon. <i>Nanoscale</i> , 2019, 11, 9862-9868.	5.6	10
15	In situ real-time study buckling behavior of boron nitride nanotubes with axial compression by TEM. <i>Chinese Chemical Letters</i> , 2019, 30, 1401-1404.	9.0	6
16	Deformation induced complete amorphization at nanoscale in a bulk silicon. <i>AIP Advances</i> , 2019, 9, .	1.3	5
17	Thermodynamic description of the Fe-Cu-C system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2019, 64, 225-235.	1.6	14
18	A tetranuclear nickel(II) complex for water oxidation: Meeting new challenges. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2857-2867.	7.1	59

#	ARTICLE	IF	CITATIONS
19	Environment friendly chemical mechanical polishing of copper. <i>Applied Surface Science</i> , 2019, 467-468, 5-11.	6.1	214
20	<i>In situ</i> TEM observation of rebonding on fractured silicon carbide. <i>Nanoscale</i> , 2018, 10, 6261-6269.	5.6	37
21	Enhanced thermal conductivity of epoxy composites filled with tetrapod-shaped ZnO. <i>RSC Advances</i> , 2018, 8, 12337-12343.	3.6	41
22	Direct formation of wafer-scale single-layer graphene films on the rough surface substrate by PECVD. <i>Carbon</i> , 2018, 129, 456-461.	10.3	60
23	A transparent electrode with water-oxidizing activity. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 22896-22904.	7.1	30
24	Origin and evolution of a fivefold twin on the surface of a nickel alloy. <i>Materials Letters</i> , 2018, 229, 111-113.	2.6	8
25	New Deformation-Induced Nanostructure in Silicon. <i>Nano Letters</i> , 2018, 18, 4611-4617.	9.1	182
26	In Situ TEM Study of Interaction between Dislocations and a Single Nanotwin under Nanoindentation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29451-29456.	8.0	30
27	A novel approach of mechanical chemical grinding. <i>Journal of Alloys and Compounds</i> , 2017, 726, 514-524.	5.5	150
28	Nanoscale solely amorphous layer in silicon wafers induced by a newly developed diamond wheel. <i>Scientific Reports</i> , 2016, 6, 35269.	3.3	14