

Qing-Jie Li

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

922
citations

567281

15
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1094
citing authors

#	ARTICLE	IF	CITATIONS
1	Strengthening in multi-principal element alloys with local-chemical-order roughened dislocation pathways. <i>Nature Communications</i> , 2019, 10, 3563.	12.8	330
2	A new regime for mechanical annealing and strong sample-size strengthening in body centred cubic molybdenum. <i>Nature Communications</i> , 2011, 2, 547.	12.8	84
3	Sample size effects on the large strain bursts in submicron aluminum pillars. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	67
4	From “Smaller is Stronger” to “Size-Independent Strength Plateau”: Towards Measuring the Ideal Strength of Iron. <i>Advanced Materials</i> , 2015, 27, 3385-3390.	21.0	62
5	Mechanism of hardening and damage initiation in oxygen embrittlement of body-centred-cubic niobium. <i>Acta Materialia</i> , 2019, 168, 331-342.	7.9	60
6	Sample-size-dependent surface dislocation nucleation in nanoscale crystals. <i>Acta Materialia</i> , 2018, 145, 19-29.	7.9	52
7	Sliding of coherent twin boundaries. <i>Nature Communications</i> , 2017, 8, 1108.	12.8	44
8	Cyclic deformation leads to defect healing and strengthening of small-volume metal crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13502-13507.	7.1	40
9	Flow Stress in Submicron BCC Iron Single Crystals: Sample-size-dependent Strain-rate Sensitivity and Rate-dependent Size Strengthening. <i>Materials Research Letters</i> , 2015, 3, 121-127.	8.7	28
10	In Situ Observation on Dislocation-Controlled Sublimation of Mg Nanoparticles. <i>Nano Letters</i> , 2016, 16, 1156-1160.	9.1	26
11	Designing solid solution hardening to retain uniform ductility while quadrupling yield strength. <i>Acta Materialia</i> , 2019, 179, 107-118.	7.9	25
12	Recent Progress on Zeolitic Imidazolate Frameworks and Their Derivatives in Alkali Metal “Chalcogen Batteries. <i>Advanced Energy Materials</i> , 2022, 12, 2103152.	19.5	25
13	Strongly correlated breeding of high-speed dislocations. <i>Acta Materialia</i> , 2016, 119, 229-241.	7.9	21
14	Correlating the properties of amorphous silicon with its flexibility volume. <i>Physical Review B</i> , 2017, 95, .	3.2	18
15	When “smaller is stronger”™ no longer holds. <i>Materials Research Letters</i> , 2018, 6, 283-292.	8.7	18
16	Ultrafast shape change and joining of small-volume materials using nanoscale electrical discharge. <i>Nano Research</i> , 2015, 8, 2143-2151.	10.4	15
17	Surface Rebound of Relativistic Dislocations Directly and Efficiently Initiates Deformation Twinning. <i>Physical Review Letters</i> , 2016, 117, 165501.	7.8	6
18	On the validity of using the Debye model to quantitatively correlate the shear modulus with vibrational properties in cubic metals. <i>Scripta Materialia</i> , 2019, 158, 34-37.	5.2	1