

Yifan Ye

List of Publications by Year in descending order

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16
papers

2,537
citations

840119

11
h-index

940134

16
g-index

16
all docs

16
docs citations

16
times ranked

2423
citing authors

#	ARTICLE	IF	CITATIONS
1	High-entropy alloy: challenges and prospects. <i>Materials Today</i> , 2016, 19, 349-362.	8.3	1,698
2	Design of high entropy alloys: A single-parameter thermodynamic rule. <i>Scripta Materialia</i> , 2015, 104, 53-55.	2.6	209
3	A geometric model for intrinsic residual strain and phase stability in high entropy alloys. <i>Acta Materialia</i> , 2015, 94, 152-161.	3.8	141
4	Universal secondary relaxation and unusual brittle-to-ductile transition in metallic glasses. <i>Materials Today</i> , 2017, 20, 293-300.	8.3	114
5	The generalized thermodynamic rule for phase selection in multicomponent alloys. <i>Intermetallics</i> , 2015, 59, 75-80.	1.8	108
6	Atomic-scale distorted lattice in chemically disordered equimolar complex alloys. <i>Acta Materialia</i> , 2018, 150, 182-194.	3.8	89
7	Elemental segregation in solid-solution high-entropy alloys: Experiments and modeling. <i>Journal of Alloys and Compounds</i> , 2016, 681, 167-174.	2.8	46
8	Softening-induced plastic flow instability and indentation size effect in metallic glass. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 77, 70-85.	2.3	36
9	Atomistic mechanism of elastic softening in metallic glass under cyclic loading revealed by molecular dynamics simulations. <i>Intermetallics</i> , 2016, 68, 5-10.	1.8	23
10	The general effect of atomic size misfit on glass formation in conventional and high-entropy alloys. <i>Intermetallics</i> , 2016, 78, 30-41.	1.8	22
11	Probing Stochastic Nano-Scale Inelastic Events in Stressed Amorphous Metal. <i>Scientific Reports</i> , 2014, 4, 6699.	1.6	13
12	Static atomic-scale structural heterogeneity and its effects on glass formation and dynamics of metallic glasses. <i>Intermetallics</i> , 2018, 101, 133-143.	1.8	12
13	The kinetic origin of delayed yielding in metallic glasses. <i>Applied Physics Letters</i> , 2016, 108, 251901.	1.5	8
14	The breakdown of strength size scaling in spherical nanoindentation and microcompression of metallic glasses. <i>Scripta Materialia</i> , 2017, 130, 283-287.	2.6	7
15	The thermal history effect on shear band initiation in metallic glass. <i>Journal of Applied Physics</i> , 2016, 119, 245113.	1.1	6
16	Unusual vortex-like atomic motion observed for viscoelasticity in metallic glass. <i>Computational Materials Science</i> , 2018, 155, 104-111.	1.4	5