

Hai-Long Peng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

842
citations

12
h-index

26
g-index

26
ext. papers

995
ext. citations

4.4
avg, IF

4.25
L-index

#	Paper	IF	Citations
25	Crystal growth in deeply undercooled NiAl: Signature of the ordering sequence at the interface. <i>Journal of Chemical Physics</i> , 2021 , 154, 194503	3.9	0
24	Molecular-dynamics simulations on the mesophase transition induced by oscillatory shear in imidazolium-based ionic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 6496-6508	3.6	2
23	Ultrasonic vibration accelerated aging in La-based bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2020 , 535, 119967	3.9	2
22	The interaction of deformation twins with long-period stacking ordered precipitates in a magnesium alloy subjected to shock loading. <i>Acta Materialia</i> , 2020 , 188, 203-214	8.4	13
21	Atomic dynamics under oscillatory shear in metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2020 , 539, 120069	3.9	4
20	Large-scale and facile synthesis of a porous high-entropy alloy CrMnFeCoNi as an efficient catalyst. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18318-18326	13	12
19	Fe Single-Atom Catalyst for Visible-Light-Driven Photofixation of Nitrogen Sensitized by Triphenylphosphine and Sodium Iodide. <i>ACS Catalysis</i> , 2020 , 10, 5502-5510	13.1	27
18	Chemical effect on the structural and dynamical properties in Zr-Ni-Al liquids. <i>Physical Review B</i> , 2019 , 100,	3.3	4
17	Structural origin for vibration-induced accelerated aging and rejuvenation in metallic glasses. <i>Journal of Chemical Physics</i> , 2019 , 150, 204507	3.9	11
16	Experimental investigation of phase equilibria in the AlNiSc system. <i>Journal of Materials Science</i> , 2019 , 54, 10516-10528	4.3	2
15	Molecular dynamics study of mesophase transitions upon annealing of imidazolium-based ionic liquids with long-alkyl chains. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 9796-9805	3.6	8
14	Five-fold local symmetry in metallic liquids and glasses. <i>Chinese Physics B</i> , 2017 , 26, 016104	1.2	13
13	Crystal growth in fluid flow: Nonlinear response effects. <i>Physical Review Materials</i> , 2017 , 1,	3.2	9
12	Heterogeneous diffusion, viscosity, and the Stokes-Einstein relation in binary liquids. <i>Physical Review E</i> , 2016 , 93, 052607	2.4	24
11	Decoupled length scales for diffusivity and viscosity in glass-forming liquids. <i>Physical Review E</i> , 2016 , 94, 042612	2.4	8
10	Formation and dilatation of shear bands in a Cu-Zr metallic glass: A free volume perspective. <i>Journal of Applied Physics</i> , 2016 , 120, 235101	2.5	14
9	Velocity autocorrelation function in supercooled liquids: Long-time tails and anomalous shear-wave propagation. <i>Physical Review E</i> , 2016 , 94, 060601	2.4	10

8	Structural and dynamical properties of liquid Al-Au alloys. <i>Physical Review B</i> , 2015 , 92,	3.3	31
7	Stress-versus temperature-induced structural evolution in metallic glasses. <i>Applied Physics Letters</i> , 2013 , 102, 131908	3.4	10
6	Evolution of structural and dynamic heterogeneities and activation energy distribution of deformation units in metallic glass. <i>Applied Physics Letters</i> , 2013 , 102, 101903	3.4	73
5	The activation energy and volume of flow units of metallic glasses. <i>Scripta Materialia</i> , 2012 , 67, 9-12	5.6	122
4	Characterization of mechanical heterogeneity in amorphous solids. <i>Journal of Applied Physics</i> , 2012 , 112, 023516	2.5	23
3	Homogeneous deformation of metallic glass at room temperature reveals large dilatation. <i>Scripta Materialia</i> , 2011 , 64, 966-969	5.6	85
2	Structural signature of plastic deformation in metallic glasses. <i>Physical Review Letters</i> , 2011 , 106, 135503	3.4	183
1	Effect of local structures and atomic packing on glass forming ability in $\text{Cu}_x\text{Zr}_{100-x}$ metallic glasses. <i>Applied Physics Letters</i> , 2010 , 96, 021901	3.4	152