

Shi-Dong Feng

List of Publications by Year in descending order

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17
papers

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1163117

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17
all docs

17
docs citations

17
times ranked

146
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallization pathways of liquid-bcc transition for a model iron by fast quenching. Scientific Reports, 2015, 5, 16956.	3.3	29
2	On the formation of shear bands in a metallic glass under tailored complex stress fields. Journal of Materials Science and Technology, 2020, 53, 112-117.	10.7	24
3	Effects of Aspect Ratio on the Shear Band Arrangements of Zr-Based Metallic Glasses. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1119-1124.	2.2	14
4	Structural disorder in metallic glass-forming liquids. Scientific Reports, 2016, 6, 27708.	3.3	11
5	Entropic Nature of the Debye Relaxation in Glass-Forming Monoalcohols. Journal of Physical Chemistry Letters, 2020, 11, 5792-5797.	4.6	11
6	Correlation between initial structure and athermal quasi-static compressive deformation in a metallic glass. Journal of Alloys and Compounds, 2017, 699, 274-277.	5.5	10
7	Effects of minor addition of Al and Ag elements on the atomic structure and mechanical property of ZrCu-based metallic glasses. Journal of Non-Crystalline Solids, 2020, 550, 120385.	3.1	10
8	Related Structure Characters and Stability of Structural Defects in a Metallic Glass. Materials, 2018, 11, 468.	2.9	9
9	Heterogeneous microstructure of Zr ₄₆ Cu ₄₆ Al ₈ nanoglasses studied by quantifying glass-glass interfaces. Journal of Non-Crystalline Solids, 2020, 546, 120265.	3.1	9
10	Control of shear band formation in metallic glasses through introducing nanoscale pores. Journal of Non-Crystalline Solids, 2021, 569, 120994.	3.1	8
11	Isochronal Superposition of the Structural α -Relaxation and Invariance of Its Relation to the β -Relaxation to Changes of Thermodynamic Conditions in Methyl <i>m</i> -Toluate. Journal of Physical Chemistry B, 2020, 124, 6690-6697.	2.6	7
12	Experimental evidence of co-existence of equilibrium and nonequilibrium in two-glass-transition miscible mixtures. Physical Chemistry Chemical Physics, 2020, 22, 25631-25637.	2.8	6
13	Identifying the structural relaxation dynamics in a strongly asymmetric binary glass former. Journal of Chemical Physics, 2021, 154, 144504.	3.0	5
14	Severe deformation-induced microstructural heterogeneities in Cu ₆₄ Zr ₃₆ metallic glass. Modelling and Simulation in Materials Science and Engineering, 2022, 30, 065005.	2.0	4
15	Molecular Dynamics Simulation of Structural Signals of Shear-Band Formation in Zr ₄₆ Cu ₄₆ Al ₈ Metallic Glasses. Materials, 2018, 11, 2564.	2.9	3
16	Understanding of glass-forming ability of Zr-Cu alloys from the perspective of vibrational entropy of crystalline phases. Journal of Applied Physics, 2022, 131, .	2.5	3
17	Unveiling the strong dependence of the α -relaxation dispersion on mixing thermodynamics in binary glass-forming liquids. Physical Chemistry Chemical Physics, 2021, 23, 5644-5651.	2.8	2