

Rejuvenation of metallic glasses by non-affine thermal

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Universal enthalpy-entropy compensation rule for the deformation of metallic glasses. Physical Review B, 2015, 92, .	1.1	19
2	Effect of dynamical heterogeneity on heat capacity at glass transition in typical silicate glasses. Journal of Applied Physics, 2015, 118, .	1.1	3
3	Cryogenic rejuvenation. Nature Materials, 2015, 14, 867-868.	13.3	63
4	Search for the Heisenberg spin glass on rewired cubic lattices with antiferromagnetic interaction. Journal of Physics: Conference Series, 2016, 759, 012012.	0.3	0
5	The Effect of Thermal Cycling Treatments on the Thermal Stability and Mechanical Properties of a Ti-Based Bulk Metallic Glass Composite. Metals, 2016, 6, 274.	1.0	10
6	Bulk Metallic Glasses as Structural Materials: A Review. Advanced Engineering Materials, 2016, 18, 1308-1331.	1.6	207
7	Isochemical control over structural state and mechanical properties in Pd-based metallic glass by sputter deposition at elevated temperatures. APL Materials, 2016, 4, 086104.	2.2	14
8	Universal structural parameter to quantitatively predict metallic glass properties. Nature Communications, 2016, 7, 13733.	5.8	124
9	Unifying interatomic potential, $\langle i \rangle g \langle /i \rangle \hat{a} \epsilon \% (\langle i \rangle r \langle /i \rangle)$, elasticity, viscosity, and fragility of metallic glasses: analytical model, simulations, and experiments. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 084001.	0.9	21
10	Intrinsic correlation between $\hat{\tau}^2$ -relaxation and spatial heterogeneity in a metallic glass. Nature Communications, 2016, 7, 11516.	5.8	197
11	Electronic hybridisation implications for the damage-tolerance of thin film metallic glasses. Scientific Reports, 2016, 6, 36556.	1.6	26
12	Prediction of pressure-promoted thermal rejuvenation in metallic glasses. Npj Computational Materials, 2016, 2, .	3.5	67
13	Compressive plasticity of a La-based glass-crystal composite at cryogenic temperatures. Materials and Design, 2016, 101, 146-151.	3.3	11
14	Stored energy in metallic glasses due to strains within the elastic limit. Philosophical Magazine, 2016, 96, 1643-1663.	0.7	97
15	Correlation between local elastic heterogeneities and overall elastic properties in metallic glasses. Acta Materialia, 2016, 121, 266-276.	3.8	41
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17	Rate dependent of strength in metallic glasses at different temperatures. Scientific Reports, 2016, 6, 27747.	1.6	12
18	Transition from stress-driven to thermally activated stress relaxation in metallic glasses. Physical Review B, 2016, 94, .	1.1	65

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19	Unveiling atomic-scale features of inherent heterogeneity in metallic glass by molecular dynamics simulations. <i>Physical Review B</i> , 2016, 93, .	1.1	39
20	Memory Effect Manifested by a Boson Peak in Metallic Glass. <i>Physical Review Letters</i> , 2016, 116, 175901.	2.9	51
21	Thermomechanical processing of metallic glasses: extending the range of the glassy state. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	240
22	Mesoscale engineering of photonic glass for tunable luminescence. <i>NPG Asia Materials</i> , 2016, 8, e318-e318.	3.8	72
23	Macroscopic tensile plasticity by scalarizing stress distribution in bulk metallic glass. <i>Scientific Reports</i> , 2016, 6, 21929.	1.6	28
24	Towards the Better: Intrinsic Property Amelioration in Bulk Metallic Glasses. <i>Scientific Reports</i> , 2016, 6, 27271.	1.6	17
25	Proposed correlation of structure network inherited from producing techniques and deformation behavior for Ni-Ti-Mo metallic glasses via atomistic simulations. <i>Scientific Reports</i> , 2016, 6, 29722.	1.6	14
26	Structural Signature of Plasticity Unveiled by Nano-Scale Viscoelastic Contact in a Metallic Glass. <i>Scientific Reports</i> , 2016, 6, 29357.	1.6	21
27	Room-temperature dynamic quasi-elastic mechanical behavior of a Zr-Cu-Fe-Al bulk metallic glass. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 450-456.	0.8	7
28	Crossover and normal structural relaxation in naturally aged glassy Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ . <i>Intermetallics</i> , 2016, 74, 53-59.	1.8	4
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39	Decoding flow unit evolution upon annealing from fracture morphology in metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 686, 65-72.	2.6	7
40	Transformation of Dipeptide-Based Organogels into Chiral Crystals by Cryogenic Treatment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2660-2663.	7.2	106
41	Transformation of Dipeptide-Based Organogels into Chiral Crystals by Cryogenic Treatment. <i>Angewandte Chemie</i> , 2017, 129, 2704-2707.	1.6	25
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44	Amorphous physics and materials: Secondary relaxation and dynamic heterogeneity in metallic glasses: A brief review. <i>Chinese Physics B</i> , 2017, 26, 016402.	0.7	51
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54	Ti-Fe-Sn-Nb hypoeutectic alloys with superb yield strength and significant strain-hardening. <i>Scripta Materialia</i> , 2017, 135, 59-62.	2.6	16

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56	Transition of Temporal Scaling Behavior in Percolation Assisted Shear-branching Structure during Plastic Deformation. <i>Scientific Reports</i> , 2017, 7, 45083.	1.6	7
57	Atomic origin for rejuvenation of a Zr-based metallic glass at cryogenic temperature. <i>Journal of Alloys and Compounds</i> , 2017, 718, 254-259.	2.8	22
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66	Modulation of plastic flow in metallic glasses via nanoscale networks of chemical heterogeneities. <i>Acta Materialia</i> , 2017, 140, 116-129.	3.8	21
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71	Cycle rapid cooling treatment effect on the magnetic properties and giant magnetoimpedance properties of Co-based amorphous alloy ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 198-205.	1.0	6
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124	Finite-temperature stress calculations in atomic models using moments of position. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 265901.	0.7	6
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134	Rejuvenation by weakening the medium range order in Zr ₄₆ Cu ₄₆ Al ₈ metallic glass with pressure preloading: A molecular dynamics simulation study. <i>Materials and Design</i> , 2018, 158, 248-255.	3.3	52
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155	Rejuvenation Behavior and New Classification of β -relaxation Region in Pd-based Metallic Glass. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2019, 68, 191-198.	0.1	4
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