## Shear bands in metallic glasses

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**Citation Report** 

#	Article	IF	CITATIONS
1	Localized shear deformation and softening of bulk metallic glass: stress or temperature driven?. Scientific Reports, 2013, 3, 2798.	1.6	60
2	Influence of the shot-peening intensity on the structure and near-surface mechanical properties of Ti40Zr10Cu38Pd12 bulk metallic glass. Applied Physics Letters, 2013, 103, 211907.	1.5	18
3	Experimental and Theoretical Advances in Amorphous Alloys. Advances in Materials Science and Engineering, 2014, 2014, 1-2.	1.0	6
4	Effective temperature dynamics of shear bands in metallic glasses. Physical Review E, 2014, 90, 062405.	0.8	17
5	Cold Spraying of Amorphous Cu50Zr50 Alloys. Journal of Thermal Spray Technology, 2014, 24, 108.	1.6	10
6	Simulation study of mechanical properties of bulk metallic glass systems: martensitic inclusions and twinned precipitates. Modelling and Simulation in Materials Science and Engineering, 2014, 22, 085008.	0.8	3
7	Nonlinear glassy rheology. Current Opinion in Colloid and Interface Science, 2014, 19, 549-560.	3.4	48
8	Plastic deformation studies of Zr-based bulk metallic glassy samples with a low aspect ratio. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 616, 288-296.	2.6	25
9	Nanocrystalline Phase Formation inside Shear Bands of Pd-Cu-Si Metallic Glass. Advances in Materials Science and Engineering, 2014, 2014, 1-4.	1.0	4
10	Density scaling and quasiuniversality of flow-event statistics for athermal plastic flows. Physical Review E, 2014, 90, 052304.	0.8	14
11	Origin of yielding in metallic glass: Stress-induced flow. Applied Physics Letters, 2014, 104, 251901.	1.5	10
12	Evolution of hidden localized flow during glass-to-liquid transition in metallic glass. Nature Communications, 2014, 5, 5823.	5.8	251
13	Room Temperature Homogeneous Ductility of Micrometer‣ized Metallic Glass. Advanced Materials, 2014, 26, 5715-5721.	11.1	68
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15	Shear bands in metallic glasses are not necessarily hot. APL Materials, 2014, 2, .	2.2	25
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17	The β-relaxation in metallic glasses. National Science Review, 2014, 1, 429-461.	4.6	199
18	Analysis of Cooperativity in Metallic Glass Forming Liquids. Materials Science Forum, 0, 783-786, 1889-1894.	0.3	3

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20	Damage-tolerant Zr–Cu–Al-based bulk metallic glasses with record-breaking fracture toughness. Journal of Materials Research, 2014, 29, 1489-1499.	1.2	50
21	Uniting superhardness and damage-tolerance in a nanosandwich-structured Ti–B–N coating. Scripta Materialia, 2014, 74, 88-91.	2.6	16
22	Shear-induced volumetric strain in CuZr metallic glass. International Journal of Engineering Science, 2014, 83, 99-106.	2.7	5
23	Extended defects, ideal strength and actual strengths of finite-sized metallic glasses. Acta Materialia, 2014, 73, 149-166.	3.8	31
24	Evolution of crystallite size, lattice parameter and internal strain in Al precipitates during high energy ball milling of partly amorphous Al87Ni8La5 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 604, 27-33.	2.6	32
25	Stabilized shear banding of ZrCu-based metallic glass composites under tensile loading. Journal of Materials Science, 2014, 49, 2164-2170.	1.7	38
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36	Effect of size and base-element on the jerky flow dynamics in metallic glass. Acta Materialia, 2014, 63, 180-190.	3.8	54

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40	Influence of cyclic loading on the onset of failure in a Zr-based bulk metallic glass. Journal of Materials Science, 2014, 49, 6716-6721.	1.7	11
41	Shear Banding of Colloidal Glasses: Observation of a Dynamic First-Order Transition. Physical Review Letters, 2014, 113, 208301.	2.9	41
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44	Synthesis and mechanical response of disordered colloidal micropillars. Physical Chemistry Chemical Physics, 2014, 16, 10274-10285.	1.3	11
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