

Katharine Flores

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5197381/publications.pdf>

Version: 2024-02-01

17
papers

1,615
citations

516710

16
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

1381
citing authors

#	ARTICLE	IF	CITATIONS
1	Mean stress effects on flow localization and failure in a bulk metallic glass. <i>Acta Materialia</i> , 2001, 49, 2527-2537.	7.9	203
2	Structural Aspects of Metallic Glasses. <i>MRS Bulletin</i> , 2007, 32, 629-634.	3.5	162
3	Local heating associated with crack tip plasticity in Zr-Ti-Ni-Cu-Be bulk amorphous metals. <i>Journal of Materials Research</i> , 1999, 14, 638-643.	2.6	149
4	Characterization of Free Volume in a Bulk Metallic Glass Using Positron Annihilation Spectroscopy. <i>Journal of Materials Research</i> , 2002, 17, 1153-1161.	2.6	149
5	On the microstructure-tensile property correlations in bulk metallic glass matrix composites with crystalline dendrites. <i>Acta Materialia</i> , 2012, 60, 5089-5100.	7.9	126
6	Characterization of free volume changes associated with shear band formation in Zr- and Cu-based bulk metallic glasses. <i>Intermetallics</i> , 2004, 12, 1073-1080.	3.9	120
7	Evaluation of microstructure and mechanical property variations in Al _x CoCrFeNi high entropy alloys produced by a high-throughput laser deposition method. <i>Intermetallics</i> , 2018, 95, 110-118.	3.9	107
8	Compression testing of metallic glass at small length scales: Effects on deformation mode and stability. <i>Acta Materialia</i> , 2010, 58, 5789-5796.	7.9	97
9	Sub-nanometer open volume regions in a bulk metallic glass investigated by positron annihilation. <i>Acta Materialia</i> , 2007, 55, 3403-3411.	7.9	94
10	Structural evolution and kinetics in Cu-Zr metallic liquids from molecular dynamics simulations. <i>Physical Review B</i> , 2013, 88, .	3.2	85
11	High-throughput discovery and characterization of multicomponent bulk metallic glass alloys. <i>Acta Materialia</i> , 2016, 120, 426-434.	7.9	70
12	Mode II fracture behavior of a Zr-based bulk metallic glass. <i>Journal of the Mechanics and Physics of Solids</i> , 2006, 54, 2418-2435.	4.8	61
13	Fracture and deformation of bulk metallic glasses and their composites. <i>Intermetallics</i> , 2004, 12, 1025-1029.	3.9	55
14	Laser deposition of a Cu-based metallic glass powder on a Zr-based glass substrate. <i>Journal of Materials Research</i> , 2008, 23, 2692-2703.	2.6	52
15	Chemical Reactions of Portland Cement with Aqueous CO ₂ and Their Impacts on Cement's Mechanical Properties under Geologic CO ₂ Sequestration Conditions. <i>Environmental Science & Technology</i> , 2015, 49, 6335-6343.	10.0	50
16	Are hints about glass forming ability hidden in the liquid structure?. <i>Acta Materialia</i> , 2019, 171, 163-169.	7.9	18
17	Machine learning formation enthalpies of intermetallics. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	17