

Dongdong Qu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/144597/publications.pdf>

Version: 2024-02-01

27
papers

439
citations

840776

11
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	Zr-Cu-Ni-Al bulk metallic glasses with superhigh glass-forming ability. Acta Materialia, 2009, 57, 1290-1299.	7.9	118
2	Introducing a strain-hardening capability to improve the ductility of bulk metallic glasses via severe plastic deformation. Acta Materialia, 2012, 60, 253-260.	7.9	72
3	Cuboid-like nanostructure strengthened equiatomic Ti-Zr-Nb-Ta medium entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140169.	5.6	32
4	Properties of CuGa ₂ Formed Between Liquid Ga and Cu Substrates at Room Temperature. Journal of Electronic Materials, 2020, 49, 128-139.	2.2	29
5	Structural origins for the high plasticity of a Zr-Cu-Ni-Al bulk metallic glass. Acta Materialia, 2013, 61, 321-330.	7.9	25
6	On the Atomic Anisotropy of Thermal Expansion in Bulk Metallic Glass. Advanced Engineering Materials, 2011, 13, 861-864.	3.5	17
7	Intermetallic formation mechanisms and properties in room-temperature Ga soldering. Journal of Alloys and Compounds, 2020, 826, 154221.	5.5	17
8	New Approaches to the Computer Simulation of Amorphous Alloys: A Review. Materials, 2011, 4, 716-781.	2.9	14
9	Inhomogeneous structure and glass-forming ability in Zr-based bulk metallic glasses. Journal of Non-Crystalline Solids, 2010, 356, 39-45.	3.1	13
10	Shear bands in a bulk metallic glass after large plastic deformation. Scripta Materialia, 2012, 67, 332-335.	5.2	13
11	Super-high compressive plastic deformation behaviors of Zr-based metallic glass at room temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 541, 199-203.	5.6	11
12	Variability of Poisson's Ratio and Enhanced Ductility in Amorphous Metal. Advanced Engineering Materials, 2013, 15, 347-351.	3.5	11
13	Effects of Ni and Cu Antisite Substitution on the Phase Stability of CuGa ₂ from Liquid Ga/Cu-Ni Interfacial Reaction. ACS Applied Materials & Interfaces, 2019, 11, 32523-32532.	8.0	10
14	A metric to gauge local distortion in metallic glasses and supercooled liquids. Acta Materialia, 2014, 72, 229-238.	7.9	9
15	Characterization of space fractal dimensionality and structure evolution in $T_i C_{62}$	3.2	8
16	Undercooling behavior of Zr-Cu-Ni-Al bulk metallic glasses investigated by in situ synchrotron high energy X-ray diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 555, 36-43.	5.6	7
17	The Interaction of Sn-Ga Alloys and Au Coated Cu Substrates. Solid State Phenomena, 0, 273, 3-8.	0.3	6
18	Electrochemically enhanced Cu ₆ Sn ₅ anodes with tailored crystal orientation and ordered atomic arrangements for lithium-ion battery applications. Acta Materialia, 2020, 201, 341-349.	7.9	5

#	ARTICLE	IF	CITATIONS
19	MECHANICAL PROPERTY OF A NEW Zr-BASED BULK METALLIC GLASS WITH CERTAIN PLASTICITY AT LOW TEMPERATURE. International Journal of Modern Physics B, 2009, 23, 1331-1336.	2.0	4
20	Pressure-induced polyamorphism in lanthanide-solute metallic glasses. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700078.	2.4	4
21	Reducing Cracking in Solder Joint Interfacial Cu ₆ Sn ₅ with Modified Reflow Profile. Transactions of the Japan Institute of Electronics Packaging, 2020, 13, E19-004-1-E19-004-11.	0.4	4
22	Microstructure and Electrochemical Behavior of a 3D-Printed Ti-6Al-4V Alloy. Materials, 2022, 15, 4473.	2.9	4
23	Effect of Deposition Parameters on Microstructure of the Ti-Mg Immiscible Alloy Thin Film Deposited by Multi-Arc Ion Plating. Metals, 2019, 9, 1229.	2.3	2
24	On the distribution of the trace elements V and Cr in an Al-Zn-Si alloy coating on a steel substrate. Materialia, 2020, 11, 100669.	2.7	2
25	Effect of Trace Elements on the Liquid Structure of Sn-Cu Alloys Investigated by High Energy X-Ray Diffraction. Solid State Phenomena, 0, 273, 101-106.	0.3	1
26	Inhibition of cracking in Cu ₆ Sn ₅ intermetallic compounds at the interface of lead-free solder joint by controlling the reflow cooling conditions. , 2019, , .		1
27	Pressure-induced polyamorphism in lanthanide-solute metallic glasses (Phys. Status Solidi RRL 6/2017). Physica Status Solidi - Rapid Research Letters, 2017, 11, 1770332.	2.4	0