Benedikt Bochtler

List of Publications by Year
in descending order

20	415	623188 14	794141 19
papers	citations	h-index	g-index

20	20	20	264
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermo-physical characterization of the Fe67Mo6Ni3.5Cr3.5P12C5.5B2.5 bulk metallic glass forming alloy. Acta Materialia, 2016, 118, 129-139.	3.8	50
2	The kinetic fragility of Pt-P- and Ni-P-based bulk glass-forming liquids and its thermodynamic and structural signature. Acta Materialia, 2017, 132, 118-127.	3.8	36
3	On the high glass-forming ability of Pt-Cu-Ni/Co-P-based liquids. Acta Materialia, 2017, 141, 109-119.	3.8	32
4	Development and characterization of titanium-based bulk metallic glasses. Journal of Alloys and Compounds, 2019, 790, 337-346.	2.8	32
5	On the bulk glass formation in the ternary Pd-Ni-S system. Acta Materialia, 2018, 158, 13-22.	3.8	29
6	Thermodynamic and kinetic studies of the Cuâ€“Zrâ€“Al(â€“Sn) bulk metallic glass-forming system. Journal of Alloys and Compounds, 2020, 844, 156126.	2.8	26
7	Consolidation of amorphous powder by thermoplastic forming and subsequent mechanical testing. Materials and Design, 2018, 140, 188-195.	3.3	25
8	Thermoplastic forming of additively manufactured Zr-based bulk metallic glass: A processing route for surface finishing of complex structures. Materials and Design, 2021, 198, 109368.	3.3	25
9	Sulfur-bearing metallic glasses: A new family of bulk glass-forming alloys. Scripta Materialia, 2018, 146, 73-76.	2.6	23
10	Signatures of structural differences in Ptâ€“P- and Pdâ€“P-based bulk glass-forming liquids. Communications Physics, 2019, 2, .	2.0	21
11	Equilibrium viscosity and structural change in the Cu47.5Zr45.1Al7.4 bulk glass-forming liquid. Acta Materialia, 2020, 184, 69-78.	3.8	20
12	Wave-Vector Dependence of the Dynamics in Supercooled Metallic Liquids. Physical Review Letters, 2020, 125, 055701.	2.9	18
13	Indications for a fragile-to-strong transition in the high- and low-temperature viscosity of the Fe43Cr16Mo16C15B10 bulk metallic glass-forming alloy. Applied Physics Letters, 2017, 111, .	1.5	15
14	On the thermodynamics and its connection to structure in the Pt-Pd-Cu-Ni-P bulk metallic glass forming system. Acta Materialia, 2021, 220, 117300.	3.8	15
15	Effect of sulfur on the glass-forming ability, phase transformation, and thermal stability of Cu-Zr-Al bulk metallic glass. Acta Materialia, 2021, 212, 116923.	3.8	12
16	Thermoplastic forming of amorphous metals. Journal of Physics Condensed Matter, 2020, 32, 244002.	0.7	11
17	Impact of Sulfur on the melt dynamics of glass forming Ti75Ni25â^'xSx. Applied Physics Letters, 2020, 117, .	1.5	10
18	High-temperature rotating cylinder rheometer for studying metallic glass forming liquids. Review of Scientific Instruments, 2018, 89, 113904.	0.6	9

#	Article	IF	Citations
19	Bulk metallic glass formation in the (Ti,Zr)â€“(Ni,Cu)â€“S system. Journal of Physics Condensed Matter, 2020, 32, 264003.	0.7	6
20	Changes in the crystallization sequence upon sulfur addition in the Zr52.5Cu17.9Ni14.6Al10Ti5 bulk metallic glass-forming liquid revealed by in situ high-energy x-ray diffraction. Physical Review Materials, 2021, 5, .	0.9	0