Wendelin J Wright

List of Publications by Year in Descending Order

25 papers	1,226 citations	14 h-index	28 g-index
28 ext. papers	1,367 ext. citations	4.1 avg, IF	4.13 L-index

#	Paper	IF	Citations
25	A predictive analytical model of thermal conductivity for aluminum/transition metal high-entropy alloys. *Scripta Materialia*, **2022**, 208, 114330	5.6	3
24	Applied-force oscillations in avalanche dynamics. *Physical Review E*, **2020**, 101, 053003	2.4	2
23	From critical behavior to catastrophic runaways: comparing sheared granular materials with bulk metallic glasses. *Granular Matter*, **2019**, 21, 1	2.6	6
22	Force oscillations distort avalanche shapes. *Materials Research Letters*, **2019**, 7, 496-502	7.4	10
21	Why the Crackling Deformations of Single Crystals, Metallic Glasses, Rock, Granular Materials, and the Earthcs Crust Are So Surprisingly Similar. *Frontiers in Physics*, **2019**, 7,	3.9	2
20	Nanomechanics of slip avalanches in amorphous plasticity. *Journal of the Mechanics and Physics of Solids*, **2018**, 114, 158-171	5	29
19	Influence of Impact Conditions on Feedstock Deposition Behavior of Cold-Sprayed Fe-Based Metallic Glass. *Journal of Thermal Spray Technology*, **2018**, 27, 843-856	2.5	9
18	Aftershocks in slowly compressed bulk metallic glasses: Experiments and theory. *Physical Review E*, **2018**, 97, 063005	2.4	6
17	Slip statistics for a bulk metallic glass composite reflect its ductility. *Journal of Applied Physics*, **2018** , 124, 185101	2.5	10
16	Universal slip dynamics in metallic glasses and granular matter - linking frictional weakening with inertial effects. *Scientific Reports*, **2017**, 7, 43376	4.9	27
15	Avalanche statistics from data with low time resolution. *Physical Review E*, **2016**, 94, 052135	2.4	10
14	Experimental evidence for both progressive and simultaneous shear during quasistatic compression of a bulk metallic glass. *Journal of Applied Physics*, **2016**, 119, 084908	2.5	30
13	Universal Quake Statistics: From Compressed Nanocrystals to Earthquakes. *Scientific Reports*, **2015**, 5, 16493	4.9	82
12	Bulk metallic glasses deform via slip avalanches. *Physical Review Letters*, **2014**, 112, 155501	7.4	154
11	Shear bands in metallic glasses are not necessarily hot. *APL Materials*, **2014**, 2, 096110	5.7	23
10	High□speed imaging of a bulk metallic glass during uniaxial compression. *Applied Physics Letters*, **2013**, 102, 241920	3.4	45
9	Compression testing of metallic glass at small length scales: Effects on deformation mode and stability. *Acta Materialia*, **2010**, 58, 5789-5796	8.4	85

8	Storage and loss stiffnesses and moduli as determined by dynamic nanoindentation. *Journal of Materials Research*, **2009**, 24, 863-871	2.5	18
7	Studies of shear band velocity using spatially and temporally resolved measurements of strain during quasistatic compression of a bulk metallic glass. *Acta Materialia*, **2009**, 57, 4639-4648	8.4	102
6	Shape memory polymers based on uniform aliphatic urethane networks. *Journal of Applied Polymer Science*, **2007**, 106, 540-551	2.9	79
5	An improved analysis for viscoelastic damping in dynamic nanoindentation. *International Journal of Surface Science and Engineering*, **2007**, 1, 274	1	12
4	Enhancement of strength and stiffness of Nylon 6 filaments through carbon nanotubes reinforcement. *Applied Physics Letters*, **2006**, 88, 083119	3.4	58
3	The Prospects for Mechanical Ratcheting of Bulk Metallic Glasses. *Materials Research Society Symposia Proceedings*, **2003**, 806, 19		1
2	Free volume coalescence and void formation in shear bands in metallic glass. *Journal of Applied Physics*, **2003**, 93, 1432-1437	2.5	174
1	Localized heating during serrated plastic flow in bulk metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 319-321, 229-232	5.3	249