

# Wendelin J Wright

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Localized heating during serrated plastic flow in bulk metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 319-321, 229-232	5.3	249
24	Free volume coalescence and void formation in shear bands in metallic glass. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 1432-1437	2.5	174
23	Bulk metallic glasses deform via slip avalanches. <i>Physical Review Letters</i> , <b>2014</b> , 112, 155501	7.4	154
22	Studies of shear band velocity using spatially and temporally resolved measurements of strain during quasistatic compression of a bulk metallic glass. <i>Acta Materialia</i> , <b>2009</b> , 57, 4639-4648	8.4	102
21	Compression testing of metallic glass at small length scales: Effects on deformation mode and stability. <i>Acta Materialia</i> , <b>2010</b> , 58, 5789-5796	8.4	85
20	Universal Quake Statistics: From Compressed Nanocrystals to Earthquakes. <i>Scientific Reports</i> , <b>2015</b> , 5, 16493	4.9	82
19	Shape memory polymers based on uniform aliphatic urethane networks. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 106, 540-551	2.9	79
18	Enhancement of strength and stiffness of Nylon 6 filaments through carbon nanotubes reinforcement. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 083119	3.4	58
17	High-speed imaging of a bulk metallic glass during uniaxial compression. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 241920	3.4	45
16	Experimental evidence for both progressive and simultaneous shear during quasistatic compression of a bulk metallic glass. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 084908	2.5	30
15	Nanomechanics of slip avalanches in amorphous plasticity. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2018</b> , 114, 158-171	5	29
14	Universal slip dynamics in metallic glasses and granular matter - linking frictional weakening with inertial effects. <i>Scientific Reports</i> , <b>2017</b> , 7, 43376	4.9	27
13	Shear bands in metallic glasses are not necessarily hot. <i>APL Materials</i> , <b>2014</b> , 2, 096110	5.7	23
12	Storage and loss stiffnesses and moduli as determined by dynamic nanoindentation. <i>Journal of Materials Research</i> , <b>2009</b> , 24, 863-871	2.5	18
11	An improved analysis for viscoelastic damping in dynamic nanoindentation. <i>International Journal of Surface Science and Engineering</i> , <b>2007</b> , 1, 274	1	12
10	Force oscillations distort avalanche shapes. <i>Materials Research Letters</i> , <b>2019</b> , 7, 496-502	7.4	10
9	Avalanche statistics from data with low time resolution. <i>Physical Review E</i> , <b>2016</b> , 94, 052135	2.4	10

8	Slip statistics for a bulk metallic glass composite reflect its ductility. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 185101	2.5	10
7	Influence of Impact Conditions on Feedstock Deposition Behavior of Cold-Sprayed Fe-Based Metallic Glass. <i>Journal of Thermal Spray Technology</i> , <b>2018</b> , 27, 843-856	2.5	9
6	From critical behavior to catastrophic runaways: comparing sheared granular materials with bulk metallic glasses. <i>Granular Matter</i> , <b>2019</b> , 21, 1	2.6	6
5	Aftershocks in slowly compressed bulk metallic glasses: Experiments and theory. <i>Physical Review E</i> , <b>2018</b> , 97, 063005	2.4	6
4	A predictive analytical model of thermal conductivity for aluminum/transition metal high-entropy alloys. <i>Scripta Materialia</i> , <b>2022</b> , 208, 114330	5.6	3
3	Applied-force oscillations in avalanche dynamics. <i>Physical Review E</i> , <b>2020</b> , 101, 053003	2.4	2
2	Why the Crackling Deformations of Single Crystals, Metallic Glasses, Rock, Granular Materials, and the Earth's Crust Are So Surprisingly Similar. <i>Frontiers in Physics</i> , <b>2019</b> , 7,	3.9	2
1	The Prospects for Mechanical Ratcheting of Bulk Metallic Glasses. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 806, 19		1