

# Alan C Lund

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11502390/publications.pdf>

Version: 2024-02-01

13  
papers

1,630  
citations

933447

10  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomistic basis for the plastic yield criterion of metallic glass. <i>Nature Materials</i> , 2003, 2, 449-452.	27.5	458
2	New regime of homogeneous flow in the deformation map of metallic glasses: elevated temperature nanoindentation experiments and mechanistic modeling. <i>Acta Materialia</i> , 2004, 52, 5879-5891.	7.9	413
3	Application of nucleation theory to the rate dependence of incipient plasticity during nanoindentation. <i>Journal of Materials Research</i> , 2004, 19, 2152-2158.	2.6	226
4	Yield surface of a simulated metallic glass. <i>Acta Materialia</i> , 2003, 51, 5399-5411.	7.9	174
5	Nanoindentation and contact-mode imaging at high temperatures. <i>Journal of Materials Research</i> , 2006, 21, 725-736.	2.6	96
6	Atomistic simulation of strain-induced amorphization. <i>Applied Physics Letters</i> , 2003, 82, 2017-2019.	3.3	76
7	Incipient plasticity during nanoindentation at elevated temperatures. <i>Applied Physics Letters</i> , 2004, 85, 1362-1364.	3.3	74
8	Driven Alloys in the Athermal Limit. <i>Physical Review Letters</i> , 2003, 91, 235505.	7.8	65
9	Topological and chemical arrangement of binary alloys during severe deformation. <i>Journal of Applied Physics</i> , 2004, 95, 4815-4822.	2.5	27
10	Molecular simulation of amorphization by mechanical alloying. <i>Acta Materialia</i> , 2004, 52, 2123-2132.	7.9	19
11	Plasticity in Nanocrystalline and Amorphous Metals: Similarities at the Atomic Scale. <i>Materials Research Society Symposia Proceedings</i> , 2003, 806, 309.	0.1	2
12	Strength Variations during Mechanical Alloying Through the Nanostructural Range. <i>Materials Research Society Symposia Proceedings</i> , 2003, 791, 1.	0.1	0
13	Amorphization of Nanolaminates during Severe Plastic Deformation: Molecular Simulations in the Cu-Zr System. <i>Materials Research Society Symposia Proceedings</i> , 2003, 778, 131.	0.1	0