

# Peter Michael Derlet

## List of Publications by Year in descending order

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16  
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940533

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docs citations

17  
times ranked

566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometrical control of disorder-induced magnetic domains in planar synthetic antiferromagnets. Physical Review Materials, 2022, 6, .	2.4	1
2	Micro-plasticity in a fragile model binary glass. Acta Materialia, 2021, 209, 116771.	7.9	16
3	Viscosity and transport in a model fragile metallic glass. Physical Review Materials, 2021, 5, .	2.4	4
4	Observation of Transient and Asymptotic Driven Structural States of Tungsten Exposed to Radiation. Physical Review Letters, 2020, 125, 225503.	7.8	38
5	Microscopic structure of a heavily irradiated material. Physical Review Materials, 2020, 4, .	2.4	45
6	Correlated disorder in a model binary glass through a local SU(2) bonding topology. Physical Review Materials, 2020, 4, .	2.4	8
7	Continuous magnetic phase transition in artificial square ice. Physical Review B, 2019, 99, .	3.2	41
8	Continuous ground-state degeneracy of classical dipoles on regular lattices. Physical Review B, 2019, 100, .	3.2	9
9	Magnetic charge and moment dynamics in artificial kagome spin ice. Physical Review B, 2017, 96, .	3.2	31
10	Thermal processing and enthalpy storage of a binary amorphous solid: A molecular dynamics study. Journal of Materials Research, 2017, 32, 2668-2679.	2.6	26
11	Local structural excitations in model glass systems under applied load. Physical Review B, 2016, 93, .	3.2	23
12	Local structural excitations in model glasses. Physical Review B, 2014, 89, .	3.2	34
13	Landau-Heisenberg Hamiltonian model for FeRh. Physical Review B, 2012, 85, .	3.2	46
14	Thermal-activation model for freezing and the elastic robustness of bulk metallic glasses. Physical Review B, 2011, 84, .	3.2	12
15	Atomistic Simulations of Dislocations in Confined Volumes. MRS Bulletin, 2009, 34, 184-189.	3.5	50
16	Interatomic potentials for materials with interacting electrons. Journal of Computer-Aided Materials Design, 2007, 14, 129-140.	0.7	28