Peng Lin

List of Publications by Year
in descending order

10	230	1163117 8	1474206 9
papers	citations	h-index	g-index

10	10	10	187
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Theoretical and numerical investigations of single arm dislocation source controlled plastic flow in FCC micropillars. International Journal of Plasticity, 2014, 55, 279-292.	8.8	88
2	Numerical investigations of helical dislocations based on coupled glide-climb model. International Journal of Plasticity, 2017, 92, 2-18.	8.8	37
3	Numerical study of the size-dependent deformation morphology in micropillar compressions by a dislocation-based crystal plasticity model. International Journal of Plasticity, 2016, 87, 32-47.	8.8	30
4	A stochastic crystal plasticity model with size-dependent and intermittent strain bursts characteristics at micron scale. International Journal of Solids and Structures, 2015, 69-70, 267-276.	2.7	24
5	Implementation of annihilation and junction reactions in vector density-based continuum dislocation dynamics. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 045003.	2.0	20
6	On the implementation of dislocation reactions in continuum dislocation dynamics modeling of mesoscale plasticity. Journal of the Mechanics and Physics of Solids, 2021, 149, 104327.	4.8	11
7	On the computational solution of vector-density based continuum dislocation dynamics models: A comparison of two plastic distortion and stress update algorithms. International Journal of Plasticity, 2021, 138, 102943.	8.8	9
8	Study of two hardening mechanism caused by geometrically necessary dislocations in thin films with passivation layer. International Journal of Solids and Structures, 2019, 160, 59-67.	2.7	8
9	Incorporating point defect generation due to jog formation into the vector density-based continuum dislocation dynamics approach. Journal of the Mechanics and Physics of Solids, 2021, 156, 104609.	4.8	3
10	Situating the Vector Density Approach Among Contemporary Continuum Theories of Dislocation Dynamics. Journal of Engineering Materials and Technology, Transactions of the ASME, 2022, 144, .	1.4	0