

# Peng Lin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4245634/publications.pdf>

Version: 2024-02-01

10  
papers

230  
citations

1163117

8  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

187  
citing authors

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