

# Katrin Schulz

## List of Publications by Year in descending order

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Version: 2024-02-01

6  
papers

132  
citations

1684188

5  
h-index

1872680

6  
g-index

6  
all docs

6  
docs citations

6  
times ranked

64  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dislocation multiplication by cross-slip and glissile reaction in a dislocation based continuum formulation of crystal plasticity. <i>Journal of the Mechanics and Physics of Solids</i> , 2019, 132, 103695.	4.8	43
2	Dislocation multiplication in stage II deformation of fcc multi-slip single crystals. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 119, 319-333.	4.8	34
3	A mesoscale continuum approach of dislocation dynamics and the approximation by a Runge-Kutta discontinuous Galerkin method. <i>International Journal of Plasticity</i> , 2019, 120, 248-261.	8.8	23
4	Internal stresses in a homogenized representation of dislocation microstructures. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 84, 528-544.	4.8	17
5	Data-driven exploration and continuum modeling of dislocation networks. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2020, 28, 065001.	2.0	10
6	Microstructure evolution of compressed micropillars investigated by in situ HR-EBSD analysis and dislocation density simulations. <i>Comptes Rendus Physique</i> , 2021, 22, 267-293.	0.9	5