

Lucile Dezerald

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

269
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	Ab initio informed yield criterion across body-centered cubic transition metals. <i>Acta Materialia</i> , 2022, 236, 118098.	7.9	9
2	Screw dislocations in BCC transition metals: from ab initio modeling to yield criterion. <i>Comptes Rendus Physique</i> , 2021, 22, 83-116.	0.9	7
3	Using first-principles calculations to predict the mechanical properties of transmuted tungsten under first wall fusion power-plant conditions. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 345901.	1.8	3
4	Simulating the mechanisms of serrated flow in interstitial alloys with atomic resolution over diffusive timescales. <i>Nature Communications</i> , 2020, 11, 1227.	12.8	16
5	Electronic Structure Calculations of Oxygen Atom Transport Energetics in the Presence of Screw Dislocations in Tungsten. <i>Metals</i> , 2019, 9, 252.	2.3	17
6	Non-glide effects and dislocation core fields in BCC metals. <i>Npj Computational Materials</i> , 2019, 5, .	8.7	31
7	Production of H ₂ by water radiolysis in cement paste under electron irradiation: A joint experimental and theoretical study. <i>Cement and Concrete Research</i> , 2017, 100, 110-118.	11.0	13
8	Plastic anisotropy and dislocation trajectory in BCC metals. <i>Nature Communications</i> , 2016, 7, 11695.	12.8	119
9	Cement As a Waste Form for Nuclear Fission Products: The Case of ⁹⁰ Sr and Its Daughters. <i>Environmental Science & Technology</i> , 2015, 49, 13676-13683.	10.0	19
10	Stability of self-interstitial clusters with C15 Laves phase structure in iron. <i>Journal of Nuclear Materials</i> , 2014, 449, 219-224.	2.7	35