

Sebastian Ritterbex

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5016055/publications.pdf>

Version: 2024-02-01

8
papers

99
citations

1684188
5
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	Pure climb creep mechanism drives flow in Earth's lower mantle. <i>Science Advances</i> , 2017, 3, e1601958.	10.3	37
2	Viscosity of hcp iron at Earth's inner core conditions from density functional theory. <i>Scientific Reports</i> , 2020, 10, 6311.	3.3	20
3	Vacancies in MgO at ultrahigh pressure: About mantle rheology of super-Earths. <i>Icarus</i> , 2018, 305, 350-357.	2.5	11
4	Deformation across the mantle transition zone: A theoretical mineral physics view. <i>Earth and Planetary Science Letters</i> , 2020, 547, 116438.	4.4	11
5	Modeling dislocation glide and lattice friction in Mg ₂ SiO ₄ wadsleyite in conditions of the Earth's transition zone. <i>American Mineralogist</i> , 2016, 101, 2085-2094.	1.9	8
6	Ab Initio Study on the Lower Mantle Minerals. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 99-119.	11.0	5
7	Novel configurations of VN4 and VN4H defects in diamond platelets: Structure, energetics and vibrational properties. <i>Diamond and Related Materials</i> , 2020, 108, 107957.	3.9	5
8	On low temperature glide of dissociated $\sim 110^\circ$ dislocations in strontium titanate. <i>Philosophical Magazine</i> , 2018, 98, 1397-1411.	1.6	2