

Maylis Landeau

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

501
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

453
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulent metal-silicate mixing, fragmentation, and equilibration in magma oceans. <i>Earth and Planetary Science Letters</i> , 2014, 391, 274-287.	4.4	96
2	Performance benchmarks for a next generation numerical dynamo model. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1586-1607.	2.5	66
3	The signature of inner-core nucleation on the geodynamo. <i>Earth and Planetary Science Letters</i> , 2017, 465, 193-204.	4.4	58
4	Core merging and stratification following giant impact. <i>Nature Geoscience</i> , 2016, 9, 786-789.	12.9	54
5	Equatorially asymmetric convection inducing a hemispherical magnetic field in rotating spheres and implications for the past martian dynamo. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 185, 61-73.	1.9	44
6	Dynamo tests for stratification below the core-mantle boundary. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 271, 1-18.	1.9	37
7	Experiments on the fragmentation of a buoyant liquid volume in another liquid. <i>Journal of Fluid Mechanics</i> , 2014, 749, 478-518.	3.4	30
8	Tidal pull of the Earth strips the proto-Moon of its volatiles. <i>Icarus</i> , 2021, 364, 114451.	2.5	23
9	Sustaining Earth's magnetic dynamo. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 255-269.	29.7	21
10	Outer Core Stratification From the High Latitude Structure of the Geomagnetic Field. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	19
11	Metal-silicate mixing by large Earth-forming impacts. <i>Earth and Planetary Science Letters</i> , 2021, 564, 116888.	4.4	18
12	Rayleigh-Taylor instability in impact cratering experiments. <i>Journal of Fluid Mechanics</i> , 2022, 937, .	3.4	12
13	Convective Erosion of a Primordial Stratification Atop Earth's Core. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087109.	4.0	11
14	Laboratory experiments on rain-driven convection: Implications for planetary dynamos. <i>Earth and Planetary Science Letters</i> , 2017, 457, 403-411.	4.4	10
15	True dipole wander. <i>Geophysical Journal International</i> , 2018, 215, 1523-1529.	2.4	2