

Juliane Dannberg

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

510
citations

933447

10
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

537
citing authors

#	ARTICLE	IF	CITATIONS
1	High accuracy mantle convection simulation through modern numerical methods – II: realistic models and problems. <i>Geophysical Journal International</i> , 2017, 210, 833-851.	2.4	187
2	Low-buoyancy thermochemical plumes resolve controversy of classical mantle plume concept. <i>Nature Communications</i> , 2015, 6, 6960.	12.8	71
3	The importance of grain size to mantle dynamics and seismological observations. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3034-3061.	2.5	57
4	Major influence of plume–ridge interaction, lithosphere thickness variations, and global mantle flow on hotspot volcanism—The example of Tristan. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 1454-1479.	2.5	41
5	Compressible magma/mantle dynamics: 3-D, adaptive simulations in ASPECT. <i>Geophysical Journal International</i> , 2016, 207, 1343-1366.	2.4	35
6	Chemical trends in ocean islands explained by plume–slab interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4351-4356.	7.1	27
7	How plume–ridge interaction shapes the crustal thickness pattern of the Réunion hotspot track. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2930-2948.	2.5	26
8	Iron isotope fractionation at the core–mantle boundary by thermodiffusion. <i>Nature Geoscience</i> , 2020, 13, 382-386.	12.9	13
9	101 geodynamic modelling: how to design, interpret, and communicate numerical studies of the solid Earth. <i>Solid Earth</i> , 2022, 13, 583-637.	2.8	12
10	On formulations of compressible mantle convection. <i>Geophysical Journal International</i> , 2020, 221, 1264-1280.	2.4	11
11	The morphology, evolution and seismic visibility of partial melt at the core–mantle boundary: implications for ULVZs. <i>Geophysical Journal International</i> , 2021, 227, 1028-1059.	2.4	11
12	Mantle convection and possible mantle plumes beneath Antarctica – insights from geodynamic models and implications for topography. <i>Geological Society Memoir</i> , 2023, 56, 253-266.	1.7	10
13	A new formulation for coupled magma/mantle dynamics. <i>Geophysical Journal International</i> , 0, , .	2.4	6