

# David Schlaphorst

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2375277/publications.pdf>

Version: 2024-02-01

11  
papers

332  
citations

1040056

9  
h-index

1199594

12  
g-index

24  
all docs

24  
docs citations

24  
times ranked

360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable water input controls evolution of the Lesser Antilles volcanic arc. <i>Nature</i> , 2020, 582, 525-529.	27.8	81
2	Back-propagating supershear rupture in the 2016 Mw 7.1 Romanche transform fault earthquake. <i>Nature Geoscience</i> , 2020, 13, 647-653.	12.9	46
3	Water, oceanic fracture zones and the lubrication of subducting plate boundaries—insights from seismicity. <i>Geophysical Journal International</i> , 2016, 204, 1405-1420.	2.4	42
4	Lateral variation in crustal structure along the Lesser Antilles arc from petrology of crustal xenoliths and seismic receiver functions. <i>Earth and Planetary Science Letters</i> , 2019, 516, 12-24.	4.4	42
5	A dynamic lithosphere–asthenosphere boundary near the equatorial Mid-Atlantic Ridge. <i>Earth and Planetary Science Letters</i> , 2021, 566, 116949.	4.4	35
6	Gaps, tears and seismic anisotropy around the subducting slabs of the Antilles. <i>Tectonophysics</i> , 2017, 698, 65-78.	2.2	21
7	Probing layered arc crust in the Lesser Antilles using receiver functions. <i>Royal Society Open Science</i> , 2018, 5, 180764.	2.4	16
8	The Role of the Seismically Slow Central–East Atlantic Anomaly in the Genesis of the Canary and Madeira Volcanic Provinces. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092874.	4.0	14
9	Investigation of core–mantle boundary topography and lowermost mantle with P4KP waves. <i>Geophysical Journal International</i> , 2016, 204, 1060-1071.	2.4	12
10	Tidal Triggering of Microseismicity at the Equatorial Mid–Atlantic Ridge, Inferred From the PL–LAB Experiment. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022251.	3.4	10
11	Variation in Upper Plate Crustal and Lithospheric Mantle Structure in the Greater and Lesser Antilles From Ambient Noise Tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009800.	2.5	7