

# Kenni Dinesen Petersen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5629987/publications.pdf>

Version: 2024-02-01

18  
papers

489  
citations

840776

11  
h-index

839539

18  
g-index

18  
all docs

18  
docs citations

18  
times ranked

597  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-Scale Mantle Convection Produces Stratigraphic Sequences in Sedimentary Basins. <i>Science</i> , 2010, 329, 827-830.	12.6	74
2	Wilson cycle passive margins: Control of orogenic inheritance on continental breakup. <i>Gondwana Research</i> , 2016, 39, 131-144.	6.0	66
3	Structural inheritance in the North Atlantic. <i>Earth-Science Reviews</i> , 2020, 206, 102975.	9.1	60
4	Design and testing of a horizontal rock bed for high temperature thermal energy storage. <i>Applied Energy</i> , 2019, 251, 113345.	10.1	47
5	An $\sim 460$ -Million-Year Periodicity Is Common to Marine $^{87}\text{Sr}/^{86}\text{Sr}$ , Fossil Biodiversity, and Large-Scale Sedimentation: What Does the Periodicity Reflect?. <i>Journal of Geology</i> , 2012, 120, 217-226.	1.4	40
6	Using core complex geometry to constrain fault strength. <i>Geophysical Research Letters</i> , 2013, 40, 3863-3867.	4.0	35
7	LIP formation and protracted lower mantle upwelling induced by rifting and delamination. <i>Scientific Reports</i> , 2018, 8, 16578.	3.3	28
8	Eduction, extension, and exhumation of ultrahigh-pressure rocks in metamorphic core complexes due to subduction initiation. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2564-2581.	2.5	26
9	Markov chain Monte Carlo inversion of mantle temperature and source composition, with application to Reykjanes Peninsula, Iceland. <i>Earth and Planetary Science Letters</i> , 2020, 532, 116007.	4.4	21
10	Mantle temperature as a control on the time scale of thermal evolution of extensional basins. <i>Earth and Planetary Science Letters</i> , 2015, 409, 61-70.	4.4	17
11	The Jan Mayen microplate complex and the Wilson cycle. <i>Geological Society Special Publication</i> , 2019, 470, 393-414.	1.3	14
12	Making Coulomb angle-oriented shear bands in numerical tectonic models. <i>Tectonophysics</i> , 2015, 657, 94-101.	2.2	13
13	Evolution of the west Greenland margin: offshore thermostratigraphic data and modelling. <i>Journal of the Geological Society</i> , 2012, 169, 515-530.	2.1	11
14	The Role of Crustal Strength in Controlling Magmatism and Melt Chemistry During Rifting and Breakup. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 534-550.	2.5	11
15	Long-term exhumation of a Palaeoproterozoic orogen and the role of pre-existing heterogeneous thermal crustal properties: a fission-track study of SE Baffin Island. <i>Journal of the Geological Society</i> , 2013, 170, 877-891.	2.1	10
16	A sub-crustal piercing point for North Atlantic reconstructions and tectonic implications. <i>Geology</i> , 2015, , G37245.1.	4.4	9
17	The Importance of Icelandic Ice Sheet Growth and Retreat on Mantle $\text{CO}_2$ Flux. <i>Geophysical Research Letters</i> , 2019, 46, 6451-6458.	4.0	6
18	Reply to "Finding harzburgite in the mantle. A comment on Brown et al. (2020): "Markov chain Monte Carlo inversion of mantle temperature and source composition, with application to Reykjanes Peninsula, Iceland" by Shorttle et al.. <i>Earth and Planetary Science Letters</i> , 2020, 548, 116502.	4.4	1