Kate M Selway

List of Publications by Year
in descending order

29 papers	903 citations	516710 16 h-index	526287 27 g-index
31 all docs	31 docs citations	31 times ranked	875 citing authors

#	Article	IF	Citations
1	The seismic mid-lithosphere discontinuity. Earth and Planetary Science Letters, 2015, 414, 45-57.	4.4	177
2	On the Causes of Electrical Conductivity Anomalies in Tectonically Stable Lithosphere. Surveys in Geophysics, 2014, 35, 219-257.	4.6	174
3	Water content of the Tanzanian lithosphere from magnetotelluric data: Implications for cratonic growth and stability. Earth and Planetary Science Letters, 2014, 388, 175-186.	4.4	56
4	Magnetotelluric constraints on subduction polarity: Reversing reconstruction models for Proterozoic Australia. Geology, 2009, 37, 799-802.	4.4	45
5	Uplift of the central transantarctic mountains. Nature Communications, 2017, 8, 1588.	12.8	42
6	Surface wave imaging of the weakly extended Malawi Rift from ambient-noise and teleseismic Rayleigh waves from onshore and lake-bottom seismometers. Geophysical Journal International, 2017, 209, 1892-1905.	2.4	42
7	Negligible effect of hydrogen content on plate strength in East Africa. Nature Geoscience, 2015, 8, 543-546.	12.9	35
8	The uppermost mantle seismic velocity and viscosity structure of central West Antarctica. Earth and Planetary Science Letters, 2017, 472, 38-49.	4.4	29
9	Acquisition of a Unique Onshore/Offshore Geophysical and Geochemical Dataset in the Northern Malawi (Nyasa) Rift. Seismological Research Letters, 2016, 87, 1406-1416.	1.9	28
10	A small, unextractable melt fraction as the cause for the low velocity zone. Earth and Planetary Science Letters, 2019, 517, 117-124.	4.4	27
11	Thick lithosphere, deep crustal earthquakes and no melt: a triple challenge to understanding extension in the western branch of the East African Rift. Geophysical Journal International, 2016, 204, 985-998.	2.4	24
12	MATE: An Analysis Tool for the Interpretation of Magnetotelluric Models of the Mantle. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009126.	2.5	23
13	Identifying the lithospheric structure of a Precambrian orogen using magnetotellurics: The Capricorn Orogen, Western Australia. Precambrian Research, 2009, 168, 185-196.	2.7	22
14	A simple 2-D explanation for negative phases in TE magnetotelluric data. Geophysical Journal International, 2012, 188, 945-958.	2.4	22
15	Upper Mantle Melt Distribution From Petrologically Constrained Magnetotellurics. Geochemistry, Geophysics, Geosystems, 2019, 20, 3328-3346.	2.5	19
16	The uppermost mantle seismic velocity structure of West Antarctica from Rayleigh wave tomography: Insights into tectonic structure and geothermal heat flow. Earth and Planetary Science Letters, 2019, 522, 219-233.	4.4	18
17	Magnetotelluric investigation of the Vestfold Hills and Rauer Group, East Antarctica. Journal of Geophysical Research: Solid Earth, 2016, 121, 2258-2273.	3.4	17
18	Magnetotelluric evidence for massive sulphide mineralization in intruded sediments of the outer VÃ¸ring Basin, mid-Norway. Tectonophysics, 2017, 706-707, 196-205.	2.2	14

#	Article	IF	Citations
19	Are Xenoliths From Southwestern Kaapvaal Craton Representative of the Broader Mantle? Constraints From Magnetotelluric Modeling. Geophysical Research Letters, 2021, 48, e2021GL092570.	4.0	12
20	Thermochemical structure and evolution of cratonic lithosphere in central and southern Africa. Nature Geoscience, 2022, 15, 405-410.	12.9	12
21	Electrical conductivity of the lithosphere-asthenosphere system. Physics of the Earth and Planetary Interiors, 2021, 313, 106661.	1.9	10
22	Probing the Southern African Lithosphere With Magnetotellurics: 2. Linking Electrical Conductivity, Composition, and Tectonomagmatic Evolution. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	10
23	A 3D lithospheric electrical resistivity model of the Gawler Craton, Southern Australia. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2007, 116, 13-21.	0.8	9
24	Magnetotelluric Constraints on the Temperature, Composition, Partial Melt Content, and Viscosity of the Upper Mantle Beneath Svalbard. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC008985.	2.5	9
25	Constraints on volumes and patterns of asthenospheric melt from the spaceâ€time distribution of seamounts. Geophysical Research Letters, 2017, 44, 7203-7210.	4.0	8
26	Probing the Southern African Lithosphere With Magnetotellurics â€"Part I: Model Construction. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	3
27	Two-dimensional Magnetotelluric Analysis of Three-dimensional Bodies: a Case Study From South Australia. Exploration Geophysics, 2006, 37, 231-238.	1.1	0
28	Utilising 3-D magnetotelluric models of southern African mantle to constrain hydrogen content and compositional variations.. ASEG Extended Abstracts, 2019, 2019, 1-3.	0.1	0
29	MT conductivity signatures of mineral systems: 3D MT over the Eastern Goldfields Super Terrane, Yilgarn Craton. ASEG Extended Abstracts, 2019, 2019, 1-2.	0.1	0