Michael Becken

List of Publications by Year
in descending order

25	712	567281 15	642732 23
papers	citations	h-index	g-index

25	25	25	634
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The geophysical signature of a continental intraplate volcanic system: From surface to mantle source. Earth and Planetary Science Letters, 2022, 578, 117307.	4.4	16
2	Evaluation of a Semi-Airborne Electromagnetic Survey Based on a Multicopter Aircraft System. Geosciences (Switzerland), 2022, 12, 26.	2.2	6
3	Numerical study on the style of delamination. Tectonophysics, 2022, 827, 229276.	2.2	5
4	The Bayankhongor Metal Belt (Mongolia): Constraints on Crustal Architecture and Implications for Mineral Emplacement from 3-D Electrical Resistivity Models. Environmental Sciences Proceedings, 2021, 6, 32.	0.3	0
5	Geodynamic Modeling of Lithospheric Removal and Surface Deformation: Application to Intraplate Uplift in Central Mongolia. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021304.	3.4	19
6	Electromagnetic modelling with topography on regular grids with equivalent materials. Geophysical Journal International, 2020, 220, 2021-2038.	2.4	3
7	Comparison of novel semi-airborne electromagnetic data with multi-scale geophysical, petrophysical and geological data from Schleiz, Germany. Journal of Applied Geophysics, 2020, 182, 104172.	2.1	24
8	Compactionâ€Driven Fluid Localization as an Explanation for Lower Crustal Electrical Conductors in an Intracontinental Setting. Geophysical Research Letters, 2020, 47, e2020GL088455.	4.0	26
9	DESMEX: A novel system development for semi-airborne electromagnetic exploration. Geophysics, 2020, 85, E253-E267.	2.6	23
10	A UAV-borne magnetic survey for archaeological prospection of a Celtic burial site. First Break, 2020, 38, 61-66.	0.4	21
11	A novel semiairborne frequency-domain controlled-source electromagnetic system: Three-dimensional inversion of semiairborne data from the flight experiment over an ancient mining area near Schleiz, Germany. Geophysics, 2019, 84, E281-E292.	2.6	21
12	Evidence for fluid and melt generation in response to an asthenospheric upwelling beneath the Hangai Dome, Mongolia. Earth and Planetary Science Letters, 2018, 487, 201-209.	4.4	54
13	Using impressed current cathodic protection systems of pipelines for electromagnetic exploration. Geophysics, 2018, 83, B155-B165.	2.6	3
14	Veryâ€highâ€resolution electrical resistivity imaging of buried foundations of a Roman villa near Nonnweiler, Germany. Archaeological Prospection, 2018, 25, 209-218.	2.2	11
15	Inversion of magnetotelluric data in a sparse model domain. Geophysical Journal International, 2016, 206, 1398-1409.	2.4	14
16	Inversion of slingram electromagnetic induction data using a Born approximation. Geophysics, 2013, 78, E201-E212.	2.6	12
17	Robust processing of noisy land-based controlled-source electromagnetic data. Geophysics, 2013, 78, E237-E247.	2.6	54
18	Magnetotelluric Studies at the San Andreas Fault Zone: Implications for the Role of Fluids. Surveys in Geophysics, 2012, 33, 65-105.	4.6	73

#	Article	IF	Citations
19	Correlation between deep fluids, tremor and creep along the central San Andreas fault. Nature, 2011, 480, 87-90.	27.8	170
20	2.5D controlled-source EM modeling with general 3D source geometries. Geophysics, 2011, 76, F387-F393.	2.6	17
21	Strategies for land-based controlled-source electromagnetic surveying in high-noise regions. The Leading Edge, 2011, 30, 1174-1181.	0.7	27
22	Electromagnetic fields generated by finite-length wire sources: comparison with point dipole solutions. Geophysical Prospecting, 2011, 59, 361-374.	1.9	52
23	Equivalent images derived from very-low-frequency (VLF) profile data. Geophysics, 2005, 70, G43-G50.	2.6	13
24	Transformation of VLF anomaly maps into apparent resistivity and phase. Geophysics, 2003, 68, 497-505.	2.6	44
25	2-D Joint Inversion of Semi-Airborne CSEM and LOTEM Data in Eastern Thuringia, Germany. Geophysical Journal International, 0, , .	2.4	4