

Michael Becken

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6020339/publications.pdf>

Version: 2024-02-01

25
papers

712
citations

567281

15
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

634
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between deep fluids, tremor and creep along the central San Andreas fault. <i>Nature</i> , 2011, 480, 87-90.	27.8	170
2	Magnetotelluric Studies at the San Andreas Fault Zone: Implications for the Role of Fluids. <i>Surveys in Geophysics</i> , 2012, 33, 65-105.	4.6	73
3	Robust processing of noisy land-based controlled-source electromagnetic data. <i>Geophysics</i> , 2013, 78, E237-E247.	2.6	54
4	Evidence for fluid and melt generation in response to an asthenospheric upwelling beneath the Hangai Dome, Mongolia. <i>Earth and Planetary Science Letters</i> , 2018, 487, 201-209.	4.4	54
5	Electromagnetic fields generated by finite-length wire sources: comparison with point dipole solutions. <i>Geophysical Prospecting</i> , 2011, 59, 361-374.	1.9	52
6	Transformation of VLF anomaly maps into apparent resistivity and phase. <i>Geophysics</i> , 2003, 68, 497-505.	2.6	44
7	Strategies for land-based controlled-source electromagnetic surveying in high-noise regions. <i>The Leading Edge</i> , 2011, 30, 1174-1181.	0.7	27
8	Compaction-Driven Fluid Localization as an Explanation for Lower Crustal Electrical Conductors in an Intracontinental Setting. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088455.	4.0	26
9	Comparison of novel semi-airborne electromagnetic data with multi-scale geophysical, petrophysical and geological data from Schleiz, Germany. <i>Journal of Applied Geophysics</i> , 2020, 182, 104172.	2.1	24
10	DESMEX: A novel system development for semi-airborne electromagnetic exploration. <i>Geophysics</i> , 2020, 85, E253-E267.	2.6	23
11	A novel semi-airborne frequency-domain controlled-source electromagnetic system: Three-dimensional inversion of semi-airborne data from the flight experiment over an ancient mining area near Schleiz, Germany. <i>Geophysics</i> , 2019, 84, E281-E292.	2.6	21
12	A UAV-borne magnetic survey for archaeological prospection of a Celtic burial site. <i>First Break</i> , 2020, 38, 61-66.	0.4	21
13	Geodynamic Modeling of Lithospheric Removal and Surface Deformation: Application to Intraplate Uplift in Central Mongolia. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021304.	3.4	19
14	2.5D controlled-source EM modeling with general 3D source geometries. <i>Geophysics</i> , 2011, 76, F387-F393.	2.6	17
15	The geophysical signature of a continental intraplate volcanic system: From surface to mantle source. <i>Earth and Planetary Science Letters</i> , 2022, 578, 117307.	4.4	16
16	Inversion of magnetotelluric data in a sparse model domain. <i>Geophysical Journal International</i> , 2016, 206, 1398-1409.	2.4	14
17	Equivalent images derived from very-low-frequency (VLF) profile data. <i>Geophysics</i> , 2005, 70, G43-G50.	2.6	13
18	Inversion of slingram electromagnetic induction data using a Born approximation. <i>Geophysics</i> , 2013, 78, E201-E212.	2.6	12

#	ARTICLE	IF	CITATIONS
19	Very high-resolution electrical resistivity imaging of buried foundations of a Roman villa near Nonnweiler, Germany. <i>Archaeological Prospection</i> , 2018, 25, 209-218.	2.2	11
20	Evaluation of a Semi-Airborne Electromagnetic Survey Based on a Multicopter Aircraft System. <i>Geosciences (Switzerland)</i> , 2022, 12, 26.	2.2	6
21	Numerical study on the style of delamination. <i>Tectonophysics</i> , 2022, 827, 229276.	2.2	5
22	2-D Joint Inversion of Semi-Airborne CSEM and LOTEM Data in Eastern Thuringia, Germany. <i>Geophysical Journal International</i> , 0, , .	2.4	4
23	Using impressed current cathodic protection systems of pipelines for electromagnetic exploration. <i>Geophysics</i> , 2018, 83, B155-B165.	2.6	3
24	Electromagnetic modelling with topography on regular grids with equivalent materials. <i>Geophysical Journal International</i> , 2020, 220, 2021-2038.	2.4	3
25	The Bayankhongor Metal Belt (Mongolia): Constraints on Crustal Architecture and Implications for Mineral Emplacement from 3-D Electrical Resistivity Models. <i>Environmental Sciences Proceedings</i> , 2021, 6, 32.	0.3	0