

Douglas W Oldenburg

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,534
citations

471061

17
h-index

377514

34
g-index

40
all docs

40
docs citations

40
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	Implementing geological rules within geophysical inversion: A PGI perspective. , 2021, , .		0
2	Open-source software for simulations and inversions of airborne electromagnetic data. Exploration Geophysics, 2020, 51, 38-44.	0.5	5
3	3D electromagnetic modelling and inversion: a case for open source. Exploration Geophysics, 2020, 51, 25-37.	0.5	13
4	Detecting induced polarisation effects in time-domain data: a modelling study using stretched exponentials. Exploration Geophysics, 2020, 51, 122-133.	0.5	8
5	Petrophysically and geologically guided multi-physics inversion using a dynamic Gaussian mixture model. Geophysical Journal International, 2020, 224, 40-68.	1.0	28
6	Inversions of time-domain spectral induced polarization data using stretched exponential. Geophysical Journal International, 2019, 219, 1851-1865.	1.0	3
7	Time domain electromagneticâ€induced polarisation: extracting more induced polarisation information from grounded source time domain electromagnetic data. Geophysical Prospecting, 2018, 66, 74-86.	1.0	13
8	Inversion of airborne geophysics over the DO-27/DO-18 kimberlites â€” Part 3: Induced polarization. Interpretation, 2017, 5, T327-T340.	0.5	37
9	A framework for simulation and inversion in electromagnetics. Computers and Geosciences, 2017, 107, 1-19.	2.0	72
10	On recovering distributed IP information from inductive source time domain electromagnetic data. Geophysical Journal International, 2016, 207, 174-196.	1.0	30
11	3D IP Inversion of Airborne EM data at Tli Kwi Cho. ASEG Extended Abstracts, 2015, 2015, 1-4.	0.1	3
12	Parametric 3D inversion of airborne time domain electromagnetics. ASEG Extended Abstracts, 2015, 2015, 1-2.	0.1	8
13	SimPEG: An open source framework for simulation and gradient based parameter estimation in geophysical applications. Computers and Geosciences, 2015, 85, 142-154.	2.0	199
14	3D parametric hybrid inversion of time-domain airborne electromagnetic data. Geophysics, 2015, 80, K25-K36.	1.4	42
15	Recovering IP information in airborne-time domain electromagnetic data. ASEG Extended Abstracts, 2015, 2015, 1-2.	0.1	9
16	Three-dimensional modeling of IP effects in time-domain electromagnetic data. Geophysics, 2014, 79, E303-E314.	1.4	47
17	3-D inversion of airborne electromagnetic data parallelized and accelerated by local mesh and adaptive soundings. Geophysical Journal International, 2014, 196, 1492-1507.	1.0	112
18	Inductive source induced polarization. Geophysical Journal International, 2013, 192, 602-612.	1.0	12

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19	Recovery of 3D IP distribution from airborne time-domain EM. ASEG Extended Abstracts, 2013, 2013, 1-4.	0.1	5
20	3D conductivity models of Lalor Lake VMS deposit from ground loop and airborne EM data sets. ASEG Extended Abstracts, 2013, 2013, 1-4.	0.1	10
21	Joint 3D of muon tomography and gravity data to recover density. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	10
22	3D magnetic inversion in highly magnetic environments using an octree mesh discretization. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	3
23	Practical 3D inversion of large airborne time domain electromagnetic data sets. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	7
24	The geophysical study of Drybones kimberlite using 3D Time Domain EM Inversion and 3D ZTEM inversion algorithms. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	9
25	Incorporating geologic structure into the inversion of magnetic data. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	5
26	Inversion of Large-scale ZTEM Data. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	2
27	Inductive Source Induced Polarization. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	0
28	Rapid construction of equivalent sources using wavelets. Geophysics, 2010, 75, L51-L59.	1.4	73
29	Comparison of 3D conductivity imaging from multiple EM surveys. ASEG Extended Abstracts, 2007, 2007, 1-6.	0.1	0
30	Comparison of integral equation and physical scale modeling of the electromagnetic responses of models with large conductivity contrasts. Geophysics, 2006, 71, G169-G177.	1.4	34
31	5. Inversion for Applied Geophysics: A Tutorial. , 2005, , 89-150.		128
32	3-D joint inversion of electrical and magnetometric resistivity data. ASEG Extended Abstracts, 2004, 2004, 1-4.	0.1	0
33	Electromagnetic coupling in frequency-domain induced polarization data: a method for removal. Geophysical Journal International, 2001, 145, 59-76.	1.0	42
34	2-D and 3-D IP/resistivity inversion for the interpretation of Isa-style targets. ASEG Extended Abstracts, 2001, 2001, 1-4.	0.1	0
35	3-D inversion of induced polarization data. Geophysics, 2000, 65, 1931-1945.	1.4	122
36	Computation of Cole-Cole parameters from IP data. Geophysics, 1997, 62, 436-448.	1.4	65

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37	3-D inversion of magnetic data. Geophysics, 1996, 61, 394-408.	1.4	905
38	Inversion of induced polarization data. Geophysics, 1994, 59, 1327-1341.	1.4	333
39	ASPECTS OF CHARGE ACCUMULATION IN d. c. RESISTIVITY EXPERIMENTS1. Geophysical Prospecting, 1991, 39, 803-826.	1.0	41
40	One-dimensional inversion of natural source magnetotelluric observations. Geophysics, 1979, 44, 1218-1244.	1.4	99