

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	3-D inversion of magnetic data. <i>Geophysics</i> , 1996, 61, 394-408.	1.4	905
2	Inversion of induced polarization data. <i>Geophysics</i> , 1994, 59, 1327-1341.	1.4	333
3	SimPEG: An open source framework for simulation and gradient based parameter estimation in geophysical applications. <i>Computers and Geosciences</i> , 2015, 85, 142-154.	2.0	199
4	5. Inversion for Applied Geophysics: A Tutorial. , 2005, , 89-150.		128
5	3-D inversion of induced polarization data. <i>Geophysics</i> , 2000, 65, 1931-1945.	1.4	122
6	3-D inversion of airborne electromagnetic data parallelized and accelerated by local mesh and adaptive soundings. <i>Geophysical Journal International</i> , 2014, 196, 1492-1507.	1.0	112
7	One-dimensional inversion of natural source magnetotelluric observations. <i>Geophysics</i> , 1979, 44, 1218-1244.	1.4	99
8	Rapid construction of equivalent sources using wavelets. <i>Geophysics</i> , 2010, 75, L51-L59.	1.4	73
9	A framework for simulation and inversion in electromagnetics. <i>Computers and Geosciences</i> , 2017, 107, 1-19.	2.0	72
10	Computation of Cole-Cole parameters from IP data. <i>Geophysics</i> , 1997, 62, 436-448.	1.4	65
11	Three-dimensional modeling of IP effects in time-domain electromagnetic data. <i>Geophysics</i> , 2014, 79, E303-E314.	1.4	47
12	Electromagnetic coupling in frequency-domain induced polarization data: a method for removal. <i>Geophysical Journal International</i> , 2001, 145, 59-76.	1.0	42
13	3D parametric hybrid inversion of time-domain airborne electromagnetic data. <i>Geophysics</i> , 2015, 80, K25-K36.	1.4	42
14	ASPECTS OF CHARGE ACCUMULATION IN d. c. RESISTIVITY EXPERIMENTS1. <i>Geophysical Prospecting</i> , 1991, 39, 803-826.	1.0	41
15	Inversion of airborne geophysics over the DO-27/DO-18 kimberlites " Part 3: Induced polarization. <i>Interpretation</i> , 2017, 5, T327-T340.	0.5	37
16	Comparison of integral equation and physical scale modeling of the electromagnetic responses of models with large conductivity contrasts. <i>Geophysics</i> , 2006, 71, G169-G177.	1.4	34
17	On recovering distributed IP information from inductive source time domain electromagnetic data. <i>Geophysical Journal International</i> , 2016, 207, 174-196.	1.0	30
18	Petrophysically and geologically guided multi-physics inversion using a dynamic Gaussian mixture model. <i>Geophysical Journal International</i> , 2020, 224, 40-68.	1.0	28

#	ARTICLE	IF	CITATIONS
19	Time domain electromagneticâ€induced polarisation: extracting more induced polarisation information from grounded source time domain electromagnetic data. <i>Geophysical Prospecting</i> , 2018, 66, 74-86.	1.0	13
20	3D electromagnetic modelling and inversion: a case for open source. <i>Exploration Geophysics</i> , 2020, 51, 25-37.	0.5	13
21	Inductive source induced polarization. <i>Geophysical Journal International</i> , 2013, 192, 602-612.	1.0	12
22	Joint 3D of muon tomography and gravity data to recover density. <i>ASEG Extended Abstracts</i> , 2012, 2012, 1-4.	0.1	10
23	3D conductivity models of Lalor Lake VMS deposit from ground loop and airborne EM data sets. <i>ASEG Extended Abstracts</i> , 2013, 2013, 1-4.	0.1	10
24	The geophysical study of Drybones kimberlite using 3D Time Domain EM Inversion and 3D ZTEM inversion algorithms. <i>ASEG Extended Abstracts</i> , 2012, 2012, 1-4.	0.1	9
25	Recovering IP information in airborne-time domain electromagnetic data. <i>ASEG Extended Abstracts</i> , 2015, 2015, 1-2.	0.1	9
26	Parametric 3D inversion of airborne time domain electromagnetics. <i>ASEG Extended Abstracts</i> , 2015, 2015, 1-2.	0.1	8
27	Detecting induced polarisation effects in time-domain data: a modelling study using stretched exponentials. <i>Exploration Geophysics</i> , 2020, 51, 122-133.	0.5	8
28	Practical 3D inversion of large airborne time domain electromagnetic data sets. <i>ASEG Extended Abstracts</i> , 2012, 2012, 1-4.	0.1	7
29	Incorporating geologic structure into the inversion of magnetic data. <i>ASEG Extended Abstracts</i> , 2012, 2012, 1-4.	0.1	5
30	Recovery of 3D IP distribution from airborne time-domain EM. <i>ASEG Extended Abstracts</i> , 2013, 2013, 1-4.	0.1	5
31	Open-source software for simulations and inversions of airborne electromagnetic data. <i>Exploration Geophysics</i> , 2020, 51, 38-44.	0.5	5
32	3D magnetic inversion in highly magnetic environments using an octree mesh discretization. <i>ASEG Extended Abstracts</i> , 2012, 2012, 1-4.	0.1	3
33	3D IP Inversion of Airborne EM data at Tli Kwi Cho. <i>ASEG Extended Abstracts</i> , 2015, 2015, 1-4.	0.1	3
34	Inversions of time-domain spectral induced polarization data using stretched exponential. <i>Geophysical Journal International</i> , 2019, 219, 1851-1865.	1.0	3
35	Inversion of Large-scale ZTEM Data. <i>ASEG Extended Abstracts</i> , 2012, 2012, 1-4.	0.1	2
36	3-D joint inversion of electrical and magnetometric resistivity data. <i>ASEG Extended Abstracts</i> , 2004, 2004, 1-4.	0.1	0

#	ARTICLE	IF	CITATIONS
37	Implementing geological rules within geophysical inversion: A PGI perspective. , 2021, , .		0
38	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
39	Comparison of 3D conductivity imaging from multiple EM surveys. ASEG Extended Abstracts, 2007, 2007, 1-6.	0.1	0
40	Inductive Source Induced Polarization. ASEG Extended Abstracts, 2012, 2012, 1-4.	0.1	0