

Alan G Jones

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

212
papers

9,585
citations

49
h-index

89
g-index

223
ext. papers

10,571
ext. citations

4.3
avg, IF

6.1
L-index

#	Paper	IF	Citations
212	Characterising thermal water circulation in fractured bedrock using a multidisciplinary approach: a case study of St. Gorman's Well, Ireland.. <i>Hydrogeology Journal</i> , 2021 , 29, 2595-2611	3.1	2
211	The nature of the southern West African craton lithosphere inferred from its electrical resistivity. <i>Precambrian Research</i> , 2021 , 358, 106190	3.9	1
210	A pioneering geophysicist: Rosemary Hutton. <i>Geological Society Special Publication</i> , 2021 , 506, 215-229	1.7	1
209	Shaping the Surface Deformation of Central and South Tibetan Plateau: Insights From Magnetotelluric Array Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB019206	3.6	7
208	A geothermal aquifer in the dilation zones on the southern margin of the Dublin Basin. <i>Geophysical Journal International</i> , 2020 , 220, 1717-1734	2.6	1
207	Structure of the Lithosphere Beneath the Barotse Basin, Western Zambia, From Magnetotelluric Data. <i>Tectonics</i> , 2019 , 38, 666-686	4.3	7
206	Subsurface Characterization of the Pennsylvanian Clare Basin, Western Ireland, by Means of Joint Interpretation of Electromagnetic Geophysical Data and Well-Log Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 6200-6222	3.6	4
205	Tectonics of the northern Canadian Cordillera imaged using modern magnetotelluric analysis. <i>Tectonophysics</i> , 2019 , 765, 102-128	3.1	4
204	Multi-stage evolution of the Ordos lithosphere from stochastic inversion of elevation, geoid, surface heat flow, Rayleigh wave dispersion data and magnetotelluric data. <i>Acta Geologica Sinica</i> , 2019 , 93, 101-101	0.7	
203	Beyond chi-squared: Additional measures of the closeness of a model to data ¹ . <i>ASEG Extended Abstracts</i> , 2019 , 2019, 1-6	0.2	
202	Geophysical evidence for crustal and mantle weak zones controlling intra-plate seismicity in the 2017 Botswana earthquake sequence. <i>Earth and Planetary Science Letters</i> , 2019 , 506, 175-183	5.3	15
201	Quantitative geothermal interpretation of electrical resistivity models of the Rathlin Basin, Northern Ireland. <i>Geothermics</i> , 2019 , 77, 175-187	4.3	4
200	Imaging Precambrian lithospheric structure in Zambia using electromagnetic methods. <i>Gondwana Research</i> , 2018 , 54, 38-49	5.1	27
199	New geoelectrical characterization of a continental collision zone in the Central Eastern Pyrenees: Constraints from 3-D joint inversion of electromagnetic data. <i>Tectonophysics</i> , 2018 , 742-743, 168-179	3.1	13
198	Correcting for static shift of magnetotelluric data with airborne electromagnetic measurements: a case study from Rathlin Basin, Northern Ireland. <i>Solid Earth</i> , 2017 , 8, 637-660	3.3	4
197	Geochemical and geophysical constraints on the dynamic topography of the Southern African Plateau. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 3556-3575	3.6	13
196	Crustal structure of southern Burkina Faso inferred from magnetotelluric, gravity and magnetic data. <i>Precambrian Research</i> , 2017 , 300, 261-272	3.9	7

195	Geomagnetically induced currents in the Irish power network during geomagnetic storms. <i>Space Weather</i> , 2016 , 14, 1136-1154	3.7	32
194	Extensional extrusion: Insights into south-eastward expansion of Tibetan Plateau from magnetotelluric array data. <i>Earth and Planetary Science Letters</i> , 2016 , 454, 78-85	5.3	33
193	Understanding hydrothermal circulation patterns at a low-enthalpy thermal spring using audio-magnetotelluric data: A case study from Ireland. <i>Journal of Applied Geophysics</i> , 2016 , 132, 1-16	1.7	11
192	Proton conduction and hydrogen diffusion in olivine: an attempt to reconcile laboratory and field observations and implications for the role of grain boundary diffusion in enhancing conductivity. <i>Physics and Chemistry of Minerals</i> , 2016 , 43, 237-265	1.6	17
191	A layer stripping approach for monitoring resistivity variations using surface magnetotelluric responses. <i>Journal of Applied Geophysics</i> , 2016 , 132, 100-115	1.7	6
190	Compositional multivariate statistical analysis of thermal groundwater provenance: A hydrogeochemical case study from Ireland. <i>Applied Geochemistry</i> , 2016 , 75, 171-188	3.5	40
189	3-D multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle: III. Thermochemical tomography in the Western-Central U.S.. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 7337-7370	3.6	47
188	The advantages of complementing MT profiles in 3-D environments with geomagnetic transfer function and interstation horizontal magnetic transfer function data: results from a synthetic case study. <i>Geophysical Journal International</i> , 2016 , 207, 1818-1836	2.6	12
187	Magnetotelluric array data analysis from north-west Fennoscandia. <i>Tectonophysics</i> , 2015 , 653, 1-19	3.1	19
186	Joint inversions of three types of electromagnetic data explicitly constrained by seismic observations: results from the central Okavango Delta, Botswana. <i>Geophysical Journal International</i> , 2015 , 202, 1429-1452	2.6	26
185	Imaging the mantle lithosphere of the Precambrian Grenville Province: large-scale electrical resistivity structures. <i>Geophysical Journal International</i> , 2015 , 201, 1040-1061	2.6	13
184	Constraints on the evolution of crustal flow beneath Northern Tibet. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 4237-4260	3.6	29
183	Deep conductivity anomaly of the Darling Fault Zone - implications for fluid transport in the Perth Basin. <i>ASEG Extended Abstracts</i> , 2015 , 2015, 1-4	0.2	0
182	Reexamination of magnetotelluric responses and electrical anisotropy of the lithospheric mantle in the Grenville Province, Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 1890-1908	3.6	18
181	Interpretation of resistivity and magnetic anomalies from the Fox River Sill, Trans Hudson Orogen, Canada. <i>ASEG Extended Abstracts</i> , 2015 , 2015, 1-5	0.2	1
180	Structure of the Central Altyn Tagh Fault revealed by magnetotelluric data: New insights into the structure of the northern margin of the India-Asia collision. <i>Earth and Planetary Science Letters</i> , 2015 , 415, 67-79	5.3	43
179	The lithosphere-sthenosphere system beneath Ireland from integrated geophysical-petrological modeling II: 3D thermal and compositional structure. <i>Lithos</i> , 2014 , 189, 49-64	2.9	28
178	Structures and geometries of the Tajo Basin crust, Spain: Results of a magnetotelluric investigation compared to seismic and thermal models. <i>Tectonics</i> , 2014 , 33, 1710-1737	4.3	4

177	The Eyjafjallajökull volcanic system, Iceland: insights from electromagnetic measurements. <i>Geophysical Journal International</i> , 2014 , 199, 1187-1204	2.6	12
176	Northward channel flow in northern Tibet revealed from 3D magnetotelluric modelling. <i>Physics of the Earth and Planetary Interiors</i> , 2014 , 235, 13-24	2.3	18
175	Robust magnetotelluric inversion. <i>Geophysical Journal International</i> , 2014 , 196, 1365-1374	2.6	4
174	A new methodology to estimate magnetotelluric (MT) tensor relationships: Estimation of Local transfer-functions by Combining Interstation Transfer-functions (ELICIT). <i>Geophysical Journal International</i> , 2014 , 198, 484-494	2.6	15
173	Geoelectrical baseline model of the subsurface of the Hontomí site (Spain) for CO2 geological storage in a deep saline aquifer: A 3D magnetotelluric characterisation. <i>International Journal of Greenhouse Gas Control</i> , 2014 , 27, 120-138	4.2	19
172	Magnetotelluric investigations of the lithosphere beneath the central Rae craton, mainland Nunavut, Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 2415-2439	3.6	21
171	Crustal and lithospheric scale structures of the Precambrian Superior-Grenville margin. <i>Tectonophysics</i> , 2014 , 614, 146-169	3.1	29
170	The lithosphere-asthenosphere system beneath Ireland from integrated geophysical-petrological modeling II: Observations, 1D and 2D hypothesis testing and modeling. <i>Lithos</i> , 2014 , 189, 28-48	2.9	19
169	Three-dimensional electrical structure of the crust and upper mantle in Ordos Block and adjacent area: Evidence of regional lithospheric modification. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 2414-2425	3.6	45
168	Reconciling different equations for proton conduction using the Meyer-Neldel compensation rule. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 337-349	3.6	14
167	Integrated geophysical-petrological modeling of lithosphere-asthenosphere boundary in central Tibet using electromagnetic and seismic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 3965-3988	3.6	33
166	Compensation of the Meyer-Neldel Compensation Law for H diffusion in minerals. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 2616-2631	3.6	18
165	The inability of magnetotelluric off-diagonal impedance tensor elements to sense oblique conductors in three-dimensional inversion. <i>Geophysical Journal International</i> , 2014 , 196, 1351-1364	2.6	25
164	The electrical resistivity of Canada's lithosphere and correlation with other parameters: contributions from Lithoprobe and other programmes. <i>Canadian Journal of Earth Sciences</i> , 2014 , 51, 573-617	1.5	18
163	An audio-magnetotelluric investigation of the Otjiwarongo and Katima Mulilo regions, Namibia. <i>Geophysics</i> , 2014 , 79, B151-B171	3.1	4
162	Magnetotelluric inversion based on mutual information. <i>Geophysical Journal International</i> , 2014 , 199, 242-252	2.6	9
161	Implications for the lithospheric geometry of the Iapetus suture beneath Ireland based on electrical resistivity models from deep-probing magnetotellurics. <i>Geophysical Journal International</i> , 2014 , 198, 737-759	2.6	21
160	Velocity-conductivity relations for cratonic lithosphere and their application: Example of Southern Africa. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 806-827	3.6	25

159	Imaging and observing the electrical Moho. <i>Tectonophysics</i> , 2013 , 609, 423-436	3.1	26
158	A novel anisotropic inversion approach for magnetotelluric data from subsurfaces with orthogonal geoelectric strike directions. <i>Geophysical Journal International</i> , 2013 , 195, 1576-1593	2.6	6
157	Tectonic model of the Limpopo belt: Constraints from magnetotelluric data. <i>Precambrian Research</i> , 2013 , 226, 143-156	3.9	31
156	3-D multi-observable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. II: General methodology and resolution analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 1650-1676	3.6	60
155	Lithospheric structure of an Archean craton and adjacent mobile belt revealed from 2-D and 3-D inversion of magnetotelluric data: Example from southern Congo craton in northern Namibia. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 4378-4397	3.6	31
154	Magnetotelluric 3-D inversion – review of two successful workshops on forward and inversion code testing and comparison. <i>Geophysical Journal International</i> , 2013 , 193, 1216-1238	2.6	55
153	3-D multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. I: a priori petrological information and geophysical observables. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 2586-2617	3.6	90
152	Magnetotelluric soundings from the Central Rae Domain of the Churchill Province, Nunavut 2013 ,		2
151	Lithospheric geometry revealed by deep-probing magnetotelluric surveying, Melville Peninsula, Nunavut 2013 ,		4
150	Distortion decomposition of the magnetotelluric impedance tensors from a one-dimensional anisotropic Earth. <i>Geophysical Journal International</i> , 2012 , 189, 268-284	2.6	28
149	Lithospheric structure in the Baikal – central Mongolia region from integrated geophysical-petrological inversion of surface-wave data and topographic elevation. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13, n/a-n/a	3.6	45
148	The Magnetotelluric Method: Theory and Practice 2012 ,		228
147	Comment on Deep resistivity cross section of the intraplate Atlas Mountains (NW Africa): New evidence of anomalous mantle and related Quaternary volcanism – <i>Tectonics</i> , 2012 , 31, n/a-n/a	4.3	4
146	Water in cratonic lithosphere: Calibrating laboratory-determined models of electrical conductivity of mantle minerals using geophysical and petrological observations. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13, n/a-n/a	3.6	58
145	Penetration of crustal melt beyond the Kunlun Fault into northern Tibet. <i>Nature Geoscience</i> , 2012 , 5, 330-335	18.3	81
144	Crustal structure and rheology of the Longmenshan and Wenchuan Mw 7.9 earthquake epicentral area from magnetotelluric data. <i>Geology</i> , 2012 , 40, 1139-1142	5	124
143	Joint inversion of long-period magnetotelluric data and surface-wave dispersion curves for anisotropic structure: Application to data from Central Germany. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	28
142	Lithospheric structures and Precambrian terrane boundaries in northeastern Botswana revealed through magnetotelluric profiling as part of the Southern African Magnetotelluric Experiment. <i>Journal of Geophysical Research</i> , 2011 , 116,		50

141	Electrical lithosphere beneath the Kaapvaal craton, southern Africa. <i>Journal of Geophysical Research</i> , 2011 , 116,		67
140	Electrical conductivity of continental lithospheric mantle from integrated geophysical and petrological modeling: Application to the Kaapvaal Craton and Rehoboth Terrane, southern Africa. <i>Journal of Geophysical Research</i> , 2011 , 116,		57
139	Three-dimensional galvanic distortion of three-dimensional regional conductivity structures: Comment on Three-dimensional joint inversion for magnetotelluric resistivity and static shift distributions in complex media. By Yutaka Sasaki and Max A. Meju. <i>Journal of Geophysical Research</i> , 2011 , 116,		26
138	Electrical signature of modern and ancient tectonic processes in the crust of the Atlas mountains of Morocco. <i>Physics of the Earth and Planetary Interiors</i> , 2011 , 185, 82-88	2.3	15
137	Artefacts of isotropic inversion applied to magnetotelluric data from an anisotropic Earth. <i>Geophysical Journal International</i> , 2011 , 187, 677-689	2.6	13
136	How the crust meets the mantle: Lithoprobe perspectives on the Mohorovičić discontinuity and crust-mantle transition. This article is one of a series of papers published in this Special Issue on the theme Lithoprobe parameters, processes, and the evolution of a continent.. <i>Canadian Journal of Earth Sciences</i> , 2010 , 47, 245-254	1.5	74
135	Joint inversion of receiver functions, surface wave dispersion, and magnetotelluric data. <i>Journal of Geophysical Research</i> , 2010 , 115,		56
134	Internal structure of the western flank of the Cumbre Vieja volcano, La Palma, Canary Islands, from land magnetotelluric imaging. <i>Journal of Geophysical Research</i> , 2010 , 115,		11
133	Conductivity structure and rheological property of lithosphere in Southern Tibet inferred from super-broadband magnetotelluric sounding. <i>Science China Earth Sciences</i> , 2010 , 53, 189-202	4.6	26
132	Europe from the bottom up: A statistical examination of the central and northern European lithosphere-asthenosphere boundary from comparing seismological and electromagnetic observations. <i>Lithos</i> , 2010 , 120, 14-29	2.9	72
131	The elusive lithosphere-asthenosphere boundary (LAB) beneath cratons. <i>Lithos</i> , 2009 , 109, 1-22	2.9	311
130	Velocity-conductivity relationships for mantle mineral assemblages in Archean cratonic lithosphere based on a review of laboratory data and Hashin-Shtrikman extremal bounds. <i>Lithos</i> , 2009 , 109, 131-143	2.9	75
129	Area selection for diamonds using magnetotellurics: Examples from southern Africa. <i>Lithos</i> , 2009 , 112, 83-92	2.9	51
128	Lithospheric structure, evolution and diamond prospectivity of the Rehoboth Terrane and western Kaapvaal Craton, southern Africa: Constraints from broadband magnetotellurics. <i>Lithos</i> , 2009 , 112, 93-105	2.9	74
127	Lithospheric geometry of the Wopmay orogen from a Slave craton to Bear Province magnetotelluric transect. <i>Journal of Geophysical Research</i> , 2009 , 114,		44
126	Geoelectric structure of the northeastern Williston basin and underlying Precambrian lithosphere. Earth Science Sector (ESS) Contribution 20080509.. <i>Canadian Journal of Earth Sciences</i> , 2009 , 46, 441-464	1.5	12
125	Robust processing of magnetotelluric data in the AMT dead band using the continuous wavelet transform. <i>Geophysics</i> , 2008 , 73, F223-F234	3.1	49
124	Joint inversion of teleseismic receiver functions and magnetotelluric data using a genetic algorithm: Are seismic velocities and electrical conductivities compatible?. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	43

123	Features of faults in the central and northern Tibetan plateau based on results of INDEPTH (III)-MT. <i>Frontiers of Earth Science</i> , 2007 , 1, 121-128		6
122	Electromagnetic imaging of a complex ore body: 3D forward modeling, sensitivity tests, and down-mine measurements. <i>Geophysics</i> , 2007 , 72, F85-F95	3.1	18
121	The geometry of the Iapetus Suture Zone in central Ireland deduced from a magnetotelluric study. <i>Physics of the Earth and Planetary Interiors</i> , 2007 , 161, 134-141	2.3	21
120	Source field effects in the auroral zone: Evidence from the Slave craton (NW Canada). <i>Physics of the Earth and Planetary Interiors</i> , 2007 , 164, 21-35	2.3	5
119	TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. <i>Global and Planetary Change</i> , 2007 , 58, 1-118	4.2	102
118	Electromagnetic interrogation of the anisotropic Earth: Looking into the Earth with polarized spectacles. <i>Physics of the Earth and Planetary Interiors</i> , 2006 , 158, 281-291	2.3	47
117	Electrical anisotropy of South African lithosphere compared with seismic anisotropy from shear-wave splitting analyses. <i>Physics of the Earth and Planetary Interiors</i> , 2006 , 158, 226-239	2.3	49
116	Tectonic fabric of the subcontinental lithosphere: Evidence from seismic, magnetotelluric and mechanical anisotropy. <i>Physics of the Earth and Planetary Interiors</i> , 2006 , 158, 85-91	2.3	16
115	Conductivity Structure of Crust and Upper Mantle Beneath the Northern Tibetan Plateau: Results of Super-Wide Band Magnetotelluric Sounding. <i>Chinese Journal of Geophysics</i> , 2006 , 49, 1098-1110		14
114	Electromagnetic image of the Trans-Hudson orogen ? THO94 transect. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 479-493	1.5	7
113	Electromagnetic images of the Trans-Hudson orogen: the North American Central Plains anomaly revealed. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 457-478	1.5	62
112	Electrical-resistivity imaging of the central Trans-Hudson orogen. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 495-515	1.5	5
111	Upper mantle temperature determined from combining mineral composition, electrical conductivity laboratory studies and magnetotelluric field observations: Application to the intermontane belt, Northern Canadian Cordillera. <i>Earth and Planetary Science Letters</i> , 2005 , 236, 258-268	5.3	47
110	Central Baffin electromagnetic experiment (CBEX): Mapping the North American Central Plains (NACP) conductivity anomaly in the Canadian arctic. <i>Physics of the Earth and Planetary Interiors</i> , 2005 , 150, 107-122	2.3	22
109	Crustal structure of the India-Asia collision zone, southern Tibet, from INDEPTH MT investigations. <i>Physics of the Earth and Planetary Interiors</i> , 2005 , 150, 227-237	2.3	39
108	Structure of the crust in the vicinity of the Banggong-Nujiang suture in central Tibet from INDEPTH magnetotelluric data. <i>Journal of Geophysical Research</i> , 2005 , 110,		33
107	A new methodology for the acquisition and processing of audio-magnetotelluric (AMT) data in the AMT dead band. <i>Geophysics</i> , 2005 , 70, G119-G126	3.1	26
106	Improving Bahr's invariant parameters using the WAL approach. <i>Geophysical Journal International</i> , 2005 , 163, 38-41	2.6	26

105	Crustal rheology of the Himalaya and Southern Tibet inferred from magnetotelluric data. <i>Nature</i> , 2005 , 438, 78-81	50.4	337
104	Geoelectric structure of the Proterozoic Wopmay Orogen and adjacent terranes, Northwest Territories, Canada. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 955-981	1.5	19
103	The electrical resistivity structure of Archean to Tertiary lithosphere along 3200 km of SNORCLE profiles, northwestern Canada. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 1257-1275	1.5	39
102	Geophysical transect across a Paleoproterozoic continent?continent collision zone: The Trans-Hudson Orogen. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 385-402	1.5	35
101	Lithospheric magnetotelluric imaging in Canada: significance to diamond exploration. <i>ASEG Extended Abstracts</i> , 2004 , 2004, 1-4	0.2	
100	Precise temperature estimation in the Tibetan crust from seismic detection of the quartz transition. <i>Geology</i> , 2004 , 32, 601	5	94
99	Area selection for diamond exploration using deep-probing electromagnetic surveying. <i>Lithos</i> , 2004 , 77, 765-782	2.9	25
98	Crustal and upper mantle structure of northern Tibet imaged with magnetotelluric data. <i>Journal of Geophysical Research</i> , 2004 , 109,		120
97	Lithospheric structure of the Yukon, northern Canadian Cordillera, obtained from magnetotelluric data. <i>Journal of Geophysical Research</i> , 2004 , 109,		36
96	Lithospheric anisotropy structure inferred from collocated teleseismic and magnetotelluric observations: Great Slave Lake shear zone, northern Canada. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	41
95	Okak Bay AMT data-set case study: Lessons in dimensionality and scale. <i>Geophysics</i> , 2003 , 68, 70-91	3.1	31
94	The electrical structure of the Slave craton. <i>Lithos</i> , 2003 , 71, 505-527	2.9	116
93	The Slave-Kaapvaal workshop: a tale of two cratons. <i>Lithos</i> , 2003 , 71, ix-xi	2.9	7
92	Lithosphere development in the Slave craton: a linked crustal and mantle perspective. <i>Lithos</i> , 2003 , 71, 575-589	2.9	106
91	Partial melt or aqueous fluid in the mid-crust of Southern Tibet? Constraints from INDEPTH magnetotelluric data. <i>Geophysical Journal International</i> , 2003 , 153, 289-304	2.6	181
90	POLARIS Update: Fall 2002. <i>Seismological Research Letters</i> , 2003 , 74, 41-43	3	2
89	Central Baffin Electromagnetic Experiment (CBEX), Phase 2 2003 ,		2
88	Two-dimensional interpretation of three-dimensional magnetotelluric data: an example of limitations and resolution. <i>Geophysical Journal International</i> , 2002 , 150, 127-139	2.6	101

87	Atmospheric sources for audio-magnetotelluric (AMT) sounding. <i>Geophysics</i> , 2002 , 67, 448-458	3.1	63
86	Chapter 13 Decomposition of three-dimensional magnetotelluric data. <i>Methods in Geochemistry and Geophysics</i> , 2002 , 235-250		7
85	Audio-magnetotellurics (AMT) for steeply-dipping mineral targets: importance of multi-component measurements at each site 2002 ,		3
84	A simple method for deriving the uniform field MT responses in auroral zones. <i>Earth, Planets and Space</i> , 2002 , 54, 443-450	2.9	28
83	Magnetotelluric and teleseismic study across the Snowbird Tectonic Zone, Canadian Shield: A Neoproterozoic mantle suture?. <i>Geophysical Research Letters</i> , 2002 , 29, 10-1-10-4	4.9	48
82	Magnetotelluric response and geoelectric structure of the Great Slave Lake shear zone. <i>Earth and Planetary Science Letters</i> , 2002 , 196, 35-50	5.3	29
81	Electromagnetic images of a strike-slip fault: The Tintina fault Northern Canadian. <i>Geophysical Research Letters</i> , 2002 , 29, 66-1-66-4	4.9	27
80	Central Baffin electromagnetic experiment (CBEX) 2002 ,		2
79	Electric lithosphere of the Slave craton. <i>Geology</i> , 2001 , 29, 423	5	94
78	The electric Moho. <i>Nature</i> , 2001 , 409, 331-3	50.4	62
77	Detection of widespread fluids in the Tibetan crust by magnetotelluric studies. <i>Science</i> , 2001 , 292, 716-933.3	33.3	336
76	Regional electrical resistivity structure of the southern Canadian Cordillera and its physical interpretation. <i>Journal of Geophysical Research</i> , 2001 , 106, 30755-30769		23
75	Multisite, multifrequency tensor decomposition of magnetotelluric data. <i>Geophysics</i> , 2001 , 66, 158-173	3.1	297
74	Imaging the continental upper mantle using electromagnetic methods. <i>Lithos</i> , 1999 , 48, 57-80	2.9	170
73	Geoelectric response and crustal electrical-conductivity structure of the Flin Flon Belt, Trans-Hudson Orogen, Canada. <i>Canadian Journal of Earth Sciences</i> , 1999 , 36, 1917-1938	1.5	13
72	Tectonic evolution of the Superior Boundary Zone from coincident seismic reflection and magnetotelluric profiles. <i>Tectonics</i> , 1999 , 18, 430-451	4.3	32
71	Imaging the continental upper mantle using electromagnetic methods. <i>Developments in Geotectonics</i> , 1999 , 24, 57-80		6
70	Waves of the future: Superior inferences from collocated seismic and electromagnetic experiments. <i>Tectonophysics</i> , 1998 , 286, 273-298	3.1	38

69	Spectral analyses of the KTB sonic and density logs using robust nonparametric methods. <i>Journal of Geophysical Research</i> , 1997 , 102, 18391-18403		20
68	Introduction to Special Section: The KTB Deep Drill Hole. <i>Journal of Geophysical Research</i> , 1997 , 102, 18175-18177		12
67	Electric and Magnetic Field Galvanic Distortion Decomposition of BC87 Data.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997 , 49, 767-789		34
66	The Longest Conductivity Anomaly in the World Explained: Sulphides in Fold Hinges Causing Very High Electrical Anisotropy. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997 , 49, 1619-1629		59
65	Robust Processing of Magnetotelluric Data from the Auroral Zone. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997 , 49, 1451-1468		26
64	Introduction to MT-DIW2 Special Issue.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997 , 49, 727-737		8
63	Deep electrical conductivity structures of the Appalachian Orogen in the southeastern U.S.. <i>Geophysical Research Letters</i> , 1996 , 23, 1597-1600	4.9	23
62	Magnetotelluric Experiment probes deep physical state of southeastern United States. <i>Eos</i> , 1996 , 77, 329	1.5	8
61	Partially Molten Middle Crust Beneath Southern Tibet: Synthesis of Project INDEPTH Results. <i>Science</i> , 1996 , 274, 1684-8	33.3	914
60	Electrically Conductive Crust in Southern Tibet from INDEPTH Magnetotelluric Surveying. <i>Science</i> , 1996 , 274, 1694-6	33.3	167
59	Multi-site, multi-frequency tensor decomposition of magnetotelluric data 1996 ,		3
58	Electrical characteristics of rock samples from the La Ronge Domain of the Trans-Hudson Orogen, northern Saskatchewan 1996 ,		2
57	Coincident conductive and reflective middle and lower crust in southern British Columbia. <i>Geophysical Journal International</i> , 1995 , 120, 111-131	2.6	50
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