

Qing-Yun Di

List of Publications by Year in descending order

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78
papers

541
citations

687363

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794594

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79
all docs

79
docs citations

79
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	New methods of controlled-source electromagnetic detection in China. <i>Science China Earth Sciences</i> , 2020, 63, 1268-1277.	5.2	41
2	Application of the CSAMT method to groundwater exploration in a metropolitan environment. <i>Geophysics</i> , 2013, 78, B201-B209.	2.6	38
3	Investigation of geological structures with a view to HLRW disposal, as revealed through 3D inversion of aeromagnetic and gravity data and the results of CSAMT exploration. <i>Journal of Applied Geophysics</i> , 2016, 135, 204-211.	2.1	28
4	Geophysical survey over molybdenum mines using the newly developed M-TEM system. <i>Journal of Applied Geophysics</i> , 2018, 158, 65-70.	2.1	27
5	Determining areas of leakage in the Da Ye Dam using multi-electrode resistivity. <i>Bulletin of Engineering Geology and the Environment</i> , 2010, 69, 105-109.	3.5	24
6	Migration of ground-penetrating radar data with a finite element method that considers attenuation and dispersion. <i>Geophysics</i> , 2004, 69, 472-477.	2.6	22
7	Geophysical Evidence through a CSAMT Survey of the Deep Geological Structure at a Potential Radioactive Waste Site at Beishan, Gansu, China. <i>Journal of Environmental and Engineering Geophysics</i> , 2013, 18, 43-54.	0.5	22
8	An application of CSAMT for detecting weak geological structures near the deeply buried long tunnel of the Shijiazhuang-Taiyuan passenger railway line in the Taihang Mountains. <i>Engineering Geology</i> , 2020, 268, 105517.	6.3	19
9	Multi-geophysical Investigation of Geological Structures in a Pre-selected High-level Radioactive Waste Disposal Area in Northwestern China. <i>Journal of Environmental and Engineering Geophysics</i> , 2013, 18, 137-146.	0.5	18
10	Effects of bedding orientation on the failure pattern and acoustic emission activity of shale under uniaxial compression. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	2.9	18
11	Application of the CSAMT Method for Exploring Deep Coal Mines in Fujian Province, Southeastern China. <i>Journal of Environmental and Engineering Geophysics</i> , 2010, 15, 243-249.	0.5	15
12	Geophysical exploration for a long deep tunnel to divert water from the Yangtze to the Yellow River, China. <i>Bulletin of Engineering Geology and the Environment</i> , 2012, 71, 195-200.	3.5	15
13	Laterally constrained inversion for CSAMT data interpretation. <i>Journal of Applied Geophysics</i> , 2015, 121, 63-70.	2.1	15
14	Pseudo-2-D Transdimensional Bayesian Inversion of the Full Waveform TEM Response From PRBS Source. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 7602-7610.	6.3	15
15	"Earth" ionosphere™ mode controlled source electromagnetic method. <i>Geophysical Journal International</i> , 2015, 202, 1848-1858.	2.4	14
16	A comparative study of inline and broadside time-domain controlled-source electromagnetic methods for mapping resistive targets on land. <i>Geophysics</i> , 2019, 84, B235-B246.	2.6	14
17	2.5-D CSAMT Modeling with Finite Element Method Over 2-D Complex Earth Media. <i>Chinese Journal of Geophysics</i> , 2004, 47, 825-829.	0.2	13
18	Field testing of the surface electromagnetic prospecting system. <i>Applied Geophysics</i> , 2017, 14, 449-458.	0.6	13

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19	An Applied Study on Prevention of Water Bursting Disaster in Mines with the High Resolution V6 System. Chinese Journal of Geophysics, 2002, 45, 787-792.	0.2	10
20	Demonstration of the newly developed MTEM systems for gold detection in China. Geological Journal, 2020, 55, 1763-1770.	1.3	9
21	Anti-interference Test for the New SEP Instrument: CSAMT Study at Dongguashan Copper Mine, China. Journal of Environmental and Engineering Geophysics, 2017, 22, 339-352.	0.5	9
22	Equivalent Transformation from TEM Field Sounding Data to Plane-Wave Electromagnetic Sounding Data. Chinese Journal of Geophysics, 2006, 49, 1386-1393.	0.2	8
23	Particle Swarm Optimization Method for Stochastic Inversion of MTEM Data. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1832-1836.	3.1	8
24	The optimal survey area of the semi-airborne TEM method. Journal of Applied Geophysics, 2020, 172, 103884.	2.1	8
25	An alternative tool to controlled-source audio-frequency magnetotellurics method for prospecting deeply buried ore deposits. Science Bulletin, 2020, 65, 611-615.	9.0	8
26	Lithospheric structures across the Qiman Tagh and western Qaidam Basin revealed by magnetotelluric data collected using a self-developed SEP system. Science China Earth Sciences, 2021, 64, 1813-1820.	5.2	8
27	Summary of technology for a comprehensive geophysical exploration of gold mine in North China Craton. Science China Earth Sciences, 2021, 64, 1524-1536.	5.2	8
28	Time-domain inversion of GPR data containing attenuation due to conductive losses. Geophysics, 2006, 71, K103-K109.	2.6	7
29	CSAMT Static Shift Recognition and Correction Using Radon Transformation. IEEE Geoscience and Remote Sensing Letters, 2018, 15, 1001-1005.	3.1	6
30	Imaging underground electric structure over a potential HLRW disposal site. Journal of Applied Geophysics, 2018, 155, 102-109.	2.1	6
31	3-D Magnetotelluric Inversion and Application Using the Edge-Based Finite Element With Hexahedral Mesh. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	6
32	The full-time apparent resistivity definition of the multi-channel transient electromagnetic method. Computers and Geosciences, 2021, 153, 104770.	4.2	6
33	2D Multitransient Electromagnetic Response Modeling of South China Shale Gas Earth Model Using an Approximation of Finite Difference Time Domain with Uniaxial Perfectly Matched Layer. Discrete Dynamics in Nature and Society, 2016, 2016, 1-20.	0.9	5
34	A Perfectly Matched Layer Metric for the Electromagnetic Diffusion Field. IEEE Transactions on Antennas and Propagation, 2021, 69, 928-939.	5.1	5
35	Qualitative analysis of MTEM response using instantaneous attributes. Journal of Applied Geophysics, 2017, 146, 37-45.	2.1	4
36	Development of the emerging electromagnetic methods for deep earth exploration. Acta Geologica Sinica, 2019, 93, 313-317.	1.4	4

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37	Insight into skywave theory and breakthrough applications in resource exploration. National Science Review, 2021, 8, nwab046.	9.5	4
38	3-D parallel inversion of multichannel transient electromagnetic data using a moving footprint. Geophysical Journal International, 2021, 226, 1783-1799.	2.4	4
39	Forward Modeling of the Electromagnetic Field Due to a Line Source in Frequency Domain Using the Finite Element Method. Chinese Journal of Geophysics, 2006, 49, 1700-1709.	0.2	3
40	Forward modeling for "earth-ionosphere" mode electromagnetic field. Journal of Central South University, 2016, 23, 2305-2313.	3.0	3
41	Analysis on equivalence effect of the grounded-wire transient electromagnetic method. Journal of Applied Geophysics, 2020, 181, 104142.	2.1	3
42	Strength of the Electric Dipole Source Field in Multilayer Spherical Media. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	3
43	Numerical simulation of seismic waves in 3-D orthorhombic poroelastic medium with microseismic source implementation. Geophysical Journal International, 2021, 227, 1012-1027.	2.4	3
44	2D numerical study on the effect of conductor between the transmitter and survey area in CSEM exploration. Applied Geophysics, 2009, 6, 311-318.	0.6	2
45	Adaptive Processing for EM Telemetry Signal Recovery: Field Data from Sichuan Province. Energies, 2020, 13, 5873.	3.1	2
46	Deep Geological Structures Associated With Terrestrial Volcanic Hydrothermal Metallogenic System: Evidence From Geophysical Survey in Taoheemu Superlarge Silver-Polymetallic Deposit, Inner Mongolia. Earth and Space Science, 2020, 7, e2019EA000939.	2.6	2
47	Propagation of ELF Electromagnetic Waves Over a Curved Stratified Ground and its Application in Geophysical Prospecting. IEEE Access, 2021, 9, 145563-145572.	4.2	2
48	2-D finite element modeling for seismic wave response in media with sand bodies. Physics of the Earth and Planetary Interiors, 2000, 120, 245-254.	1.9	1
49	TIME-DOMAIN FINITE-ELEMENT WAVE FORM INVERSION OF ACOUSTIC WAVE EQUATION. Journal of Computational Acoustics, 2004, 12, 387-396.	1.0	1
50	Successful applications of CSAMT for deep geothermal exploration in urban areas. , 2006, , .		1
51	A new infinitesimal computational approach to calculating frequency-domain electromagnetic response. Journal of Applied Geophysics, 2018, 159, 312-318.	2.1	1
52	Removal of the airwave effect by main-part decomposition of the anomalous field of MCSEM data. Applied Geophysics, 2018, 15, 3-10.	0.6	1
53	Correction of receiver noise in half-airborne transient electromagnetic method with electric source. , 2019, , .		1
54	Soft-Switching Technology of Three-Phase Six-Switch PFC Rectifier. Energies, 2020, 13, 5130.	3.1	1

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55	Determination of the absorption coefficient of radar waves in solid earth media. Journal of Applied Geophysics, 2020, 177, 104043.	2.1	1
56	EMT simulation and effect of TTI anisotropic media in EMT signal. Petroleum Science, 2021, 18, 106-122.	4.9	1
57	Pade Approximant ELF VED Fields in the Earth's Ionosphere Cavity. Radio Science, 2021, 56, e2020RS007226.	1.6	1
58	CSAMT investigation for geological structures in a high-level radioactive waste preselected site. , 2015, , .		1
59	Ground-wire Source TEM 3D Full Time Multinary Inversion Using Adaptive Regulation. Journal of Environmental and Engineering Geophysics, 2020, 25, 403-413.	0.5	1
60	Demodulation of EM Telemetry Data Using Fuzzy Wavelet Neural Network with Logistic Response. Applied Sciences (Switzerland), 2021, 11, 10877.	2.5	1
61	A Spherical "Earth" Ionosphere Model for Deep Resource Exploration Using Artificial ELF-EM Field. Remote Sensing, 2022, 14, 3088.	4.0	1
62	CSAMT research survey for preventing water bursting disaster in mining. , 2005, , .		0
63	The contrast of frequency response characteristics between long bipole and circle current sources. , 2011, , .		0
64	Multi-transient electromagnetic (MTEM) response modeling using finite difference time domain method. , 2015, , .		0
65	Joint exploration for geological structures with CSAMT and Seismic method in preselected areas of high-level radioactive waste. , 2015, , .		0
66	Synchronization method for logging telemetry based on OFDM. , 2015, , .		0
67	EM telemetry assessment for horizontal drilling in part of the Tarim basin through numerical simulation. Acta Geologica Sinica, 2019, 93, 305-309.	1.4	0
68	Study on Electrical Properties of Multilayered Spherical Earth by Wireless Electromagnetic Method. IEEE Access, 2021, 9, 54090-54100.	4.2	0
69	Forward and inversion modeling of the three-dimensional integral equation basing on born approximation. , 2011, , .		0
70	The contrast of response characteristics between large power long bipole and circle current source. , 2011, , .		0
71	Forward modeling of the three-dimensional integral equation based on Born approximation. , 2011, , .		0
72	"Earth" ionosphere mode electromagnetic forward modeling. , 2011, , .		0

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73	The Contrast of EM Characteristics among Different Sources for Earth-ionosphere Model. , 2013, , .		0
74	Distortion of Galvanic Effect Caused by Anomalous Body of Survey Areas in CSAMT. , 2013, , .		0
75	Geophysical application in preselecting a high-level radioactive waste site. , 2015, , .		0
76	The forward modeling of the wireless electromagnetic method based on "Earth-ionosphere" mode. , 2019, , .		0
77	The distribution of currents on a drill rod in a layered medium. , 2019, , .		0
78	Direct synthesis of time domain pseudo-random 3D electromagnetic response with a band-limited source. Journal of Applied Geophysics, 2022, , 104624.	2.1	0