

Liu Jianxin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2105381/publications.pdf>

Version: 2024-02-01

123
papers

1,431
citations

393982

19
h-index

414034

32
g-index

123
all docs

123
docs citations

123
times ranked

1211
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of Brittleness and Anisotropy Parameters in Transversely Isotropic Media With Vertical Axis of Symmetry. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-9.	2.7	8
2	Seismic Characterization of Decoupled Orthorhombic Fractures Based on Observed Surface Azimuthal Amplitude Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	2.7	7
3	Detection of Natural Tilted Fractures From Azimuthal Seismic Amplitude Data Based on Linear-Slip Theory. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-14.	2.7	8
4	Detection of boulder using GEM-2 EM system based on three-dimensional inversion algorithm. <i>Journal of Applied Geophysics</i> , 2022, 196, 104516.	0.9	0
5	An efficient multigrid solver based on a four-color cell-block Gauss-Seidel smoother for 3D magnetotelluric forward modeling. <i>Geophysics</i> , 2022, 87, E121-E133.	1.4	17
6	Lactic Acid Bacteria Mixture Isolated From Wild Pig Alleviated the Gut Inflammation of Mice Challenged by <i>Escherichia coli</i> . <i>Frontiers in Immunology</i> , 2022, 13, 822754.	2.2	7
7	Deep metallogenic mechanism in southeastern China based on receiver function data. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 273-284.	1.7	2
8	Fecal Microbiota Transplantation Donor and Dietary Fiber Intervention Collectively Contribute to Gut Health in a Mouse Model. <i>Frontiers in Immunology</i> , 2022, 13, 842669.	2.2	2
9	Deep-neural-networks-based approaches for Biot's squirt model in rock physics. <i>Acta Geophysica</i> , 2022, 70, 593-607.	1.0	2
10	Extension of the regularization technique to controlled-source electromagnetic modeling in general anisotropic conductivity media. <i>Geophysics</i> , 2022, 87, E243-E251.	1.4	2
11	Gut health benefit and application of postbiotics in animal production. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 38.	2.1	19
12	Heterologous expression and characterization of two novel glucanases derived from sheep rumen microbiota. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 87.	1.7	5
13	Efficient 2D Modeling of Magnetic Anomalies Using NUFFT in the Fourier Domain. <i>Pure and Applied Geophysics</i> , 2022, 179, 2311-2325.	0.8	5
14	A Feasibility Study of CSEM in Geological Advance Forecast with Horizontal Casing Well. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 638.	0.8	1
15	Analysis and Application of the Sparse Prior in Probabilistic Prediction of Elastic Parameters. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-9.	2.7	0
16	Fluid Discrimination Based on Inclusion-Based Method for Tight Sandstone Reservoirs. <i>Surveys in Geophysics</i> , 2022, 43, 1469-1496.	2.1	7
17	Groundwater Detection Using the Pseudo-3D Resistivity Method: A History of Case Studies. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6788.	1.3	5
18	A Mori-Tanaka scheme-based model for gas-water two-phase cracked rocks and its application. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 105, 104690.	2.1	1

#	ARTICLE	IF	CITATIONS
19	Azimuthal amplitude variation with offset parameterization and inversion for fracture weaknesses in tilted transversely isotropic media. <i>Geophysics</i> , 2021, 86, C1-C18.	1.4	18
20	Olive oil cake extract stabilizes the physiological condition of lipopolysaccharide-challenged piglets by reducing oxidative stress and inflammatory responses and modulating the ileal microbiome. <i>Food and Function</i> , 2021, 12, 10171-10183.	2.1	7
21	A Comparison of Different Divergence-free Solutions for 3D Anisotropic CSEM Modeling Using Staggered Finite Difference Method. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 660, 012133.	0.2	0
22	Stability analysis-based reformulation of wave equations for poro-elastic media saturated with two fluids. <i>Geophysical Journal International</i> , 2021, 226, 327-344.	1.0	2
23	Wave Equations of Porous Media Saturated With Two Immiscible Fluids Based on the Volume Averaging Method. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	2
24	Numerical Modeling of Marine Self-Potential from a Seafloor Hydrothermal Ore Deposit. <i>Pure and Applied Geophysics</i> , 2021, 178, 1731-1744.	0.8	5
25	3D Density Structure of the Lunar Mascon Basins Revealed by a High-Efficient Gravity Inversion of the GRAIL Data. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006841.	1.5	16
26	Inversion of self-potential anomalies caused by simple polarized bodies based on particle swarm optimization. <i>Journal of Central South University</i> , 2021, 28, 1797-1812.	1.2	4
27	Encapsulated Mixture of Methyl Salicylate and Tributyrin Modulates Intestinal Microbiota and Improves Growth Performance of Weaned Piglets. <i>Microorganisms</i> , 2021, 9, 1342.	1.6	4
28	Zoeppritz-equations-based amplitude variation with angle inversion for Russell fluid factor in a gas-bearing reservoir. <i>Journal of Petroleum Science and Engineering</i> , 2021, , 109204.	2.1	1
29	Seismic characterization of fractured reservoirs with elastic impedance difference versus angle and azimuth: A low-frequency poroelasticity perspective. <i>Geophysics</i> , 2021, 86, M123-M139.	1.4	19
30	<i>Bacillus amyloliquefaciens</i> -9 Reduces Somatic Cell Count and Modifies Fecal Microbiota in Lactating Goats. <i>Marine Drugs</i> , 2021, 19, 404.	2.2	5
31	Fast numerical simulation of 2D gravity anomaly based on nonuniform fast Fourier transform in mixed space-wavenumber domain. <i>Journal of Applied Geophysics</i> , 2021, 194, 104465.	0.9	4
32	Three-dimensional controlled-source electromagnetic forward modeling by edge-based finite element with a divergence correction. <i>Geophysics</i> , 2021, 86, E367-E382.	1.4	10
33	Crustal structure and deformation in southeastern China revealed by receiver functions. <i>Journal of Asian Earth Sciences</i> , 2021, 221, 104937.	1.0	7
34	Geophysical electromagnetic modeling and evaluation: A review. <i>Journal of Applied Geophysics</i> , 2021, 194, 104438.	0.9	4
35	Efficient Filter Generation Based on Particle Swarm Optimization Algorithm. <i>IEEE Access</i> , 2021, 9, 22816-22823.	2.6	4
36	<i>L. reuteri</i> ZJ617 inhibits inflammatory and autophagy signaling pathways in gut-liver axis in piglet induced by lipopolysaccharide. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 110.	2.1	9

#	ARTICLE	IF	CITATIONS
37	Effect of Fiber and Fecal Microbiota Transplantation Donor on Recipient Mice Gut Microbiota. <i>Frontiers in Microbiology</i> , 2021, 12, 757372.	1.5	6
38	Estimating Effective Stress Parameter and Fracture Parameters in Shale-Gas Fractured Reservoirs Using Azimuthal Fourier Coefficients. <i>Surveys in Geophysics</i> , 2021, 42, 1377-1400.	2.1	8
39	Sources of rare earth elements REE+Y (REY) in Bayili Coal Mine from Wensu County of Xinjiang, China. <i>Transactions of Nonferrous Metals Society of China</i> , 2021, 31, 3105-3115.	1.7	3
40	Intermittent Fasting Reshapes the Gut Microbiota and Metabolome and Reduces Weight Gain More Effectively Than Melatonin in Mice. <i>Frontiers in Nutrition</i> , 2021, 8, 784681.	1.6	15
41	Sensitivity and Resolution of Controlled-Source Electromagnetic Method for Gas Hydrate Stable Zone. <i>Energies</i> , 2021, 14, 8318.	1.6	5
42	Impairment of Intestinal Barrier Function Induced by Early Weaning via Autophagy and Apoptosis Associated With Gut Microbiome and Metabolites. <i>Frontiers in Immunology</i> , 2021, 12, 804870.	2.2	11
43	Robust Seismic Image Interpolation With Mathematical Morphological Constraint. <i>IEEE Transactions on Image Processing</i> , 2020, 29, 819-829.	6.0	27
44	An Efficient Preconditioner for 3-D Finite Difference Modeling of the Electromagnetic Diffusion Process in the Frequency Domain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 500-509.	2.7	21
45	Inversion for magnetotelluric data using the particle swarm optimization and regularized least squares. <i>Journal of Applied Geophysics</i> , 2020, 181, 104156.	0.9	9
46	A coupled anisotropic fluid indicator for seismic characterization of tight gas-bearing fractured reservoirs. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103552.	2.1	4
47	Geosciences in Central South University: A state-of-the-art review. <i>Journal of Central South University</i> , 2020, 27, 975-996.	1.2	8
48	2.5D self-potential forward modeling by natural-infinite element coupling method. <i>Journal of Applied Geophysics</i> , 2020, 179, 104077.	0.9	3
49	A time-lapse CSEM monitoring study for hydraulic fracturing in shale gas reservoir. <i>Marine and Petroleum Geology</i> , 2020, 120, 104545.	1.5	9
50	A feasibility study of the wide-field electromagnetic method for hidden ore deposits prospecting. <i>Journal of Applied Geophysics</i> , 2020, 179, 104121.	0.9	3
51	Optimal Third-Order Symplectic Integration Modeling of Seismic Acoustic Wave Propagation. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 754-762.	1.1	1
52	Stable Finite-Difference Methods for Elastic Wave Modeling with Characteristic Boundary Conditions. <i>Mathematics</i> , 2020, 8, 1039.	1.1	5
53	<i>Lactobacillus rhamnosus</i> GG Attenuates Lipopolysaccharide-Induced Inflammation and Barrier Dysfunction by Regulating MAPK/NF- κ B Signaling and Modulating Metabolome in the Piglet Intestine. <i>Journal of Nutrition</i> , 2020, 150, 1313-1323.	1.3	37
54	Electromagnetic methods for mineral exploration in China: A review. <i>Ore Geology Reviews</i> , 2020, 118, 103357.	1.1	50

#	ARTICLE	IF	CITATIONS
55	Moho Beneath Tibet Based on a Joint Analysis of Gravity and Seismic Data. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008849.	1.0	22
56	Effect of Displacement Current on the Finite-Difference Modeling of Natural Source Electromagnetic Diffusion. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2744.	1.3	0
57	Numerical modeling of biogeobattery system from microbial degradation of underground organic contaminant. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	9
58	3D Forward Modeling of Seepage Self-potential Using Finite-infinite Element Coupling Method. <i>Journal of Environmental and Engineering Geophysics</i> , 2020, 25, 381-390.	1.0	7
59	Inversion of reservoir parameters based on the rock physics model and neural ODEs. , 2020, , .		0
60	An Efficient Footprint-Guided Compact Finite Element Algorithm for 3-D Airborne Electromagnetic Modeling. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019, 16, 1809-1813.	1.4	12
61	Geophysical Field Data Interpolation Using Stochastic Partial Differential Equations for Gold Exploration in Dayaoshan, Guangxi, China. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 14.	0.8	5
62	Forward plane-wave electromagnetic model in three dimensions using hybrid finite volume integral equation scheme. <i>Geophysical Prospecting</i> , 2019, 67, 2213-2226.	1.0	3
63	Three-Dimensional Wide-Band Electromagnetic Forward Modelling Using Potential Technique. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1328.	1.3	4
64	Efficient Large-Scale Forward Modeling and Inversion of Gravitational Fields in Spherical Coordinates With Application to Lunar Mascons. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4157-4173.	1.4	22
65	Enhancement in photocatalytic performance of AgCl decorated with h-WO ₃ and mechanism insight. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	7
66	Corrections to "An Efficient Preconditioner for 3D Finite Difference Modeling of the Electromagnetic Diffusion Process in the Frequency Domain" [DOI: 10.1109/TGRS.2019.2937742]. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 9512-9512.	2.7	0
67	Frequency-domain magnetotelluric footprint analysis for 3D earths. <i>Journal of Geophysics and Engineering</i> , 2019, 16, 1151-1163.	0.7	11
68	Application of the CSAMT Method to Pb-Zn Mineral Deposits: A Case Study in Jianshui, China. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 726.	0.8	17
69	Comparison of structured and unstructured grids in marine controlled source electromagnetic inversions for offshore hydrocarbon exploration. <i>Marine and Petroleum Geology</i> , 2019, 100, 204-211.	1.5	4
70	2.5D electric resistivity forward modeling with element-free Galerkin method. <i>Journal of Applied Geophysics</i> , 2019, 162, 47-57.	0.9	4
71	Effect of data error correlations on trans-dimensional MT Bayesian inversions. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	10
72	Three-dimensional finite element modeling of CSEM response accelerated by a divergence correction technique. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
73	Urban ground exploration using Pseudo-3D conducting electrical method. , 2019, , .		0
74	Efficient hierarchical trans-dimensional Bayesian inversion of magnetotelluric data. Geophysical Journal International, 2018, 213, 1751-1767.	1.0	51
75	Removal of galvanic distortion effects in 3D magnetotelluric data by an equivalent source technique. Geophysics, 2018, 83, E95-E110.	1.4	12
76	High-accuracy 3D Fourier forward modeling of gravity field based on the Gauss-FFT technique. Journal of Applied Geophysics, 2018, 150, 294-303.	0.9	22
77	Three-dimensional land FD-CSEM forward modeling using edge finite-element method. Journal of Central South University, 2018, 25, 131-140.	1.2	3
78	Three-dimensional Land FD-CSEM Regularized Inversion Based on Edge Finite-element Method. Journal of Environmental and Engineering Geophysics, 2018, 23, 211-222.	1.0	4
79	Two-dimensional regularized inversion of AMT data based on rotation invariant of Central impedance tensor. Earth and Planetary Physics, 2018, 2, 1-8.	0.4	1
80	Comparison of Detection Capability by the Controlled Source Electromagnetic Method for Hydrocarbon Exploration. Energies, 2018, 11, 1839.	1.6	2
81	Extracellular Biosynthesis, Characterization and Cytotoxic Effect of Silver Nanoparticles by <i>Streptomyces coelicoflavus</i> KS-3. Journal of Nanoscience and Nanotechnology, 2018, 18, 8133-8141.	0.9	8
82	A hybrid solver based on the integral equation method and vector finite-element method for 3D controlled-source electromagnetic method modeling. Geophysics, 2018, 83, E319-E333.	1.4	26
83	An element-free Galerkin method based on adaptive background cells for 2.5D DC resistivity modeling. , 2018, , .		1
84	Three-dimensional electromagnetic forward-modelling using gauge potential technique. , 2018, , .		0
85	Three Dimensional Magnetotelluric Forward Modelling using Gauge Potential Approach. , 2018, , .		0
86	Optimization for extracellular biosynthesis of silver nanoparticles by <i>Penicillium aculeatum</i> Su1 and their antimicrobial activity and cytotoxic effect compared with silver ions. Materials Science and Engineering C, 2017, 77, 963-971.	3.8	113
87	Dynamic imaging of metallic contamination plume based on self-potential data. Transactions of Nonferrous Metals Society of China, 2017, 27, 1822-1830.	1.7	12
88	Sequential and simultaneous joint inversion of resistivity and IP sounding data using particle swarm optimization. Journal of Earth Science (Wuhan, China), 2017, 28, 709-718.	1.1	4
89	Effect of Surface Modification of Silver Nanoparticles on the Proliferation of Human Lung Squamous Cell Carcinoma (HTB182) and Bronchial Epithelial (HBE) Cells In Vitro. Journal of Biomedical Nanotechnology, 2017, 13, 1281-1291.	0.5	21
90	Modelling magnetic field data using stochastic partial differential equations. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
91	Protection of Bovine Mammary Epithelial Cells from Hydrogen Peroxide-Induced Oxidative Cell Damage by Resveratrol. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15.	1.9	69
92	Effects of Chinese Propolis in Protecting Bovine Mammary Epithelial Cells against Mastitis Pathogens-Induced Cell Damage. <i>Mediators of Inflammation</i> , 2016, 2016, 1-12.	1.4	35
93	Structure of the Upper Mantle and Transition Zone Beneath the South China Block Imaged by Finite Frequency Tomography. <i>Acta Geologica Sinica</i> , 2016, 90, 1637-1652.	0.8	10
94	Performance evaluation for intelligent optimization algorithms in self-potential data inversion. <i>Journal of Central South University</i> , 2016, 23, 2659-2668.	1.2	11
95	Kinetic behavior in self-assembly process of associative polymer solutions. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 215-221.	1.2	5
96	Comparison of marine controlled-source electromagnetic data acquisition systems by a reservoir sensitivity index: analyzing the effect of water depths. <i>Acta Oceanologica Sinica</i> , 2016, 35, 113-119.	0.4	5
97	Influence of Surfactant and Charged Monomer Concentrations on Micro-Block Length of Associative Polymers by Micellar Polymerization. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1083-1088.	1.3	0
98	Three-dimensional controlled-source EM modeling with an energized well casing by finite element. , 2015, , .		1
99	Three-dimensional controlled-source electromagnetic modelling with a well casing as a grounded source: a hybrid method of moments and finite element scheme. <i>Geophysical Prospecting</i> , 2015, 63, 1491-1507.	1.0	47
100	Crustal structure and deformation under the Longmenshan and its surroundings revealed by receiver function data. <i>Physics of the Earth and Planetary Interiors</i> , 2015, 244, 11-22.	0.7	39
101	Elastic thickness of the Himalayan-Tibetan orogen estimated from the fan wavelet coherence method, and its implications for lithospheric structure. <i>Earth and Planetary Science Letters</i> , 2015, 409, 1-14.	1.8	39
102	Investigation of a new acetogen isolated from an enrichment of the tammar wallaby forestomach. <i>BMC Microbiology</i> , 2014, 14, 314.	1.3	34
103	Elastic thickness, mechanical anisotropy and deformation of the southeastern Tibetan Plateau. <i>Tectonophysics</i> , 2014, 637, 45-56.	0.9	18
104	Frequency- and spatial-correlated noise on layered magnetotelluric inversion. <i>Geophysical Journal International</i> , 2014, 199, 1205-1213.	1.0	13
105	Development of multi-channel observation and inversion for IP electrical sounding method. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 816-823.	1.7	2
106	Three-dimensional magnetotelluric regularized inversion based on smoothness-constrained model. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 509-513.	1.7	2
107	Establishment and Characterization of an Omasal Epithelial Cell Model Derived from Dairy Calves for the Study of Small Peptide Absorption. <i>PLoS ONE</i> , 2014, 9, e88993.	1.1	13
108	Spindle-shaped microfluidic chamber with uniform perfusion flows. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 839-845.	1.0	4

#	ARTICLE	IF	CITATIONS
109	Integrated interpretation of dual frequency induced polarization measurement based on wavelet analysis and metal factor methods. Transactions of Nonferrous Metals Society of China, 2013, 23, 1465-1471.	1.7	4
110	3D finite element numerical simulation of advanced detection in roadway for DC focus method. Transactions of Nonferrous Metals Society of China, 2013, 23, 2187-2193.	1.7	2
111	Three-dimensional Land FD-CSEM Forward Modeling Using Edge Finite-element Method. , 2013, , .		0
112	Peptide Nucleic Acids (PNAs) Patterning by an Automated Microarray Synthesis System Through Photolithography. Journal of Nanoscience and Nanotechnology, 2013, 13, 2061-2067.	0.9	4
113	Crustal structure and deformation of the SE Tibetan plateau revealed by receiver function data. Earth and Planetary Science Letters, 2012, 349-350, 186-197.	1.8	128
114	Non-linearity in Bayesian 1-D magnetotelluric inversion. Geophysical Journal International, 2011, 185, 663-675.	1.0	36
115	A decorrelation-based hybrid global search algorithm for inversion of 1D magnetotelluric data. Journal of Geophysics and Engineering, 2011, 8, 225-232.	0.7	2
116	Copper Pattern on Self-Assembled Monolayer Through Microcontact Printing. Journal of Nanoscience and Nanotechnology, 2010, 10, 3072-3077.	0.9	0
117	Association of TP53 codon 72 polymorphism with cervical cancer risk in Chinese women. Cancer Genetics and Cytogenetics, 2010, 197, 174-178.	1.0	11
118	Computer Optimization in Biomechanics in Large Strain Level Compression Test. , 2010, , .		0
119	Two-dimensional diffraction tomography algorithm of underground objects located in planar multilayer medium¹. , 2010, , .		2
120	Ground penetrating radar imaging algorithm of targets located in unknown subsurface environment based on compressive sensing. , 2010, , .		0
121	Three-dimensional forward modeling for magnetotelluric sounding by finite element method. Central South University, 2009, 16, 136-142.	0.5	13
122	Improved watershed algorithm for dowels image segmentation. , 2008, , .		14
123	Seismic Characterization of Naturally Fractured Reservoirs with Monoclinic Symmetry Induced by Horizontal and Tilted Fractures from Amplitude Variation with Offset and Azimuth. Surveys in Geophysics, 0, , .	2.1	7