Kaiguang Zhu

List of Publications by Year
in descending order

17 papers	97 citations	1478505 6 h-index	1474206 9 g-index
17 all docs	17 docs citations	17 times ranked	100 citing authors

#	ARTICLE	IF	CITATIONS
1	An Optimized Air-Core Coil Sensor with a Magnetic Flux Compensation Structure Suitable to the Helicopter TEM System. Sensors, 2016, 16, 508.	3.8	18
2	Infrared and Visible Image Fusion with a Generative Adversarial Network and a Residual Network. Applied Sciences (Switzerland), 2020, 10, 554.	2.5	18
3	Time-dependent magnetometric resistivity anomalies of groundwater contamination: Synthetic results from computational hydro-geophysical modeling. Applied Geophysics, 2008, 5, 322-330.	0.6	8
4	Evaluation of Pre-Earthquake Anomalies of Borehole Strain Network by Using Receiver Operating Characteristic Curve. Remote Sensing, 2021, 13, 515.	4.0	7
5	Extracting borehole strain precursors associated with the Lushan earthquake through principal component analysis. Annals of Geophysics, 2018, 61, .	1.0	7
6	Noise removal for airborne time domain electromagnetic data based on minimum noise fraction. Exploration Geophysics, 2018, 49, 127-133.	1.1	6
7	Detecting Earthquake-Related Borehole Strain Data Anomalies With Variational Mode Decomposition and Principal Component Analysis: A Case Study of the Wenchuan Earthquake. IEEE Access, 2019, 7, 157997-158006.	4.2	6
8	HTEM noise frequency characteristics simulation and influencing analysis. , 2015, , .		4
9	Detecting Earthquake-Related Anomalies of a Borehole Strain Network Based on Multi-Channel Singular Spectrum Analysis. Entropy, 2020, 22, 1086.	2.2	4
10	Suppression of motion noise based on a linear–homomorphic filtering algorithm in airborne electromagnetic survey. Geophysical Prospecting, 2021, 69, 1102-1115.	1.9	4
11	Numerical investigation of the influence of volcanic facies architecture on hydrothermal fluid migration: Example of the Mount Read Volcanics, western Tasmania, Australia. Journal of Geochemical Exploration, 2006, 89, 474-479.	3.2	3
12	Negentropy anomaly analysis of the borehole strain associated with the &lt;i&gt;M&lt;/i&gt;&lt;sub&gt;s&lt;/sub&gt;Â8.0 Wenchuan earthquake. Nonlinear Processes in Geophysics, 2019, 26, 371-380.	1.3	3
13	Airborne electromagnetic data levelling based on inequality-constrained polynomial fitting. Exploration Geophysics, 2020, 51, 600-608.	1.1	3
14	Numerical simulation of coil motion noise in airborne time-domain electromagnetic survey. , 2017, , .		2
15	Borehole Strain Observations Based on a State-Space Model and ApNe Analysis Associated With the 2013 Lushan Earthquake. IEEE Access, 2021, 9, 12167-12179.	4.2	2
16	The characteristics analysis of strain variation associated with Wenchuan earthquake using principal component analysis. Annals of Geophysics, 2020, 63, .	1.0	1
17	The fault detection of transmitting current encoded by m-sequence using triple-correlation function in helicopter-borne electromagnetic method. Review of Scientific Instruments, 2022, 93, 074501.	1.3	1