Lianghui Guo

List of Publications by Year
in descending order

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32	434	840776 11	752698 20
papers	citations	h-index	g-index

32	32	32	275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Compositional Variation in the Crust of Peninsular Ranges and Surrounding Regions, Southern California, Revealed by Fullâ€Wave Seismic and Gravity Joint Inversion. Journal of Geophysical Research: Solid Earth, 2021, 126, .	3.4	4
2	High resolution crustal model of SE Tibet from joint inversion of seismic P-wave travel-times and Bouguer gravity anomalies and its implication for the crustal channel flow. Tectonophysics, 2020, 792, 228580.	2.2	13
3	A wavenumber-domain iterative approach for 3D imaging of magnetic anomalies and gradients with depth constraints. Journal of Geophysics and Engineering, 2019, 16, 1032-1047.	1.4	3
4	Crustal thickness and Poisson's ratios of South China revealed from joint inversion of receiver function and gravity data. Earth and Planetary Science Letters, 2019, 510, 142-152.	4.4	64
5	A Wavenumber-Domain Iterative Approach for Rapid 3-D Imaging of Gravity Anomalies and Gradients. IEEE Access, 2019, 7, 34179-34188.	4.2	8
6	The Apparent Density Mapping Approach in Spherical Coordinates and the Crustal Density Distribution of Chinese Mainland. IEEE Access, 2019, 7, 160705-160717.	4.2	1
7	A wavenumber-domain iterative approach for apparent density mapping of an undulant layer and its application in central South China. Geophysics, 2019, 84, G1-G11.	2.6	4
8	Estimating crustal thickness and Vp/Vs ratio with joint constraints of receiver function and gravity data. Geophysical Journal International, 2018, 213, 1334-1344.	2.4	9
9	Potential-field evidence for the tectonic boundaries of the central and western Jiangnan belt in South China. Precambrian Research, 2018, 309, 45-55.	2.7	51
10	The Crustal Structure of the Northâ€“South Earthquake Belt in China Revealed from Deep Seismic Soundings and Gravity Data. Pure and Applied Geophysics, 2018, 175, 193-205.	1.9	3
11	An empirical mode decomposition based noise cancelation method for potential field data along with a new stopping criterion. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	2
12	Compensation for aircraft effects of magnetic gradient tensor measurements in a towed bird. Exploration Geophysics, 2018, 49, 713-725.	1.1	11
13	3-D wavelet-based fusion approach for comprehensively analyzing multiple physical-property voxel models inverted from potential-field data. Journal of Applied Geophysics, 2017, 139, 47-53.	2.1	7
14	The crust structure of the North-South earthquake belt in China revealed from integrated analyses of the deep seismic soundings and gravity data. , 2017, , .		0
15	The Identification of Magnetic Stripes: Corrected Age of Seafloor Spreading in the South China Sea Basin. , 2017, , .		0
16	The frequency-domain approach for fast multi-parameter magnetic forward modeling of a 3D voxel-based model. , 2017, , .		0
17	Apparent magnetization mapping in the presence of strong remanent magnetization: The space-domain inversion approach. Geophysics, 2016, 81, J11-J24.	2.6	6
18	Apparent magnetization mapping in the presence of strong remanent magnetization: The space-domain inversion approach. Geophysics, 2016, 81, J25-J38.	2.6	3

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19	A 3-D wavelet-based fusion technique for integrated interpretation of various physical-property models inversed from gravity and magnetic data. , 2015, , .		0
20	A Hybrid Positive-and-Negative Curvature Approach for Detection of the Edges of Magnetic Anomalies, and Its Application in the South China Sea. Pure and Applied Geophysics, 2015, 172, 2701-2710.	1.9	10
21	Three-dimensional cross-gradient joint inversion of gravity and normalized magnetic source strength data in the presence of remanent magnetization. Journal of Applied Geophysics, 2015, 119, 51-60.	2.1	42
22	A 3D space-domain approach for magnetic basement depth inversion in the presence of remanent magnetization. , 2015, , .		0
23	A correlation-based approach for determining the threshold value of singular value decomposition filtering for potential field data denoising. Journal of Geophysics and Engineering, 2014, 11, 055007.	1.4	19
24	Three-dimensional correlation imaging for total amplitude magnetic anomaly and normalized source strength in the presence of strong remanent magnetization. Journal of Applied Geophysics, 2014, 111, 121-128.	2.1	23
25	Preferential filtering for gravity anomaly separation. Computers and Geosciences, 2013, 51, 247-254.	4.2	60
26	The antisymmetric factor method for magnetic reduction to the pole at low latitudes. Journal of Applied Geophysics, 2013, 92, 103-109.	2.1	18
27	The Antisymmetric Factor Method for Magnetic Reduction to the Pole at Low Latitudes. , 2013, , .		0
28	Global correlation imaging of magnetic total field gradients. Journal of Geophysics and Engineering, 2012, 9, 508-515.	1.4	9
29	GICUDA: A parallel program for 3D correlation imaging of large scale gravity and gravity gradiometry data on graphics processing units with CUDA. Computers and Geosciences, 2012, 46, 119-128.	4.2	30
30	3D correlation imaging of the vertical gradient of gravity data. Journal of Geophysics and Engineering, 2011, 8, 6-12.	1.4	22
31	3D correlation imaging of magnetic total field anomaly and its vertical gradient. Journal of Geophysics and Engineering, 2011, 8, 287-293.	1.4	11
32	Crustal thickness and Poisson's ratios in eastern China estimated jointly by receiver function and gravity data. Geophysical Journal International, 0, , .	2.4	1