# Lianghui Guo

List of Publications by Year
in descending order

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|---|---|---|---|
| 32<br>papers | 434<br>citations | 840776<br>11<br>h-index | 752698<br>20<br>g-index |
| 32<br>all docs | 32<br>docs citations | 32<br>times ranked | 275<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | Preferential filtering for gravity anomaly separation. Computers and Geosciences, 2013, 51, 247-254. | 4.2 | 60 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 3D correlation imaging of the vertical gradient of gravity data. Journal of Geophysics and Engineering, 2011, 8, 6-12. | 1.4 | 22 |
| 8 | 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 |
| 9 | The antisymmetric factor method for magnetic reduction to the pole at low latitudes. Journal of Applied Geophysics, 2013, 92, 103-109. | 2.1 | 18 |
| 10 | 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 |
| 11 | 3D correlation imaging of magnetic total field anomaly and its vertical gradient. Journal of Geophysics and Engineering, 2011, 8, 287-293. | 1.4 | 11 |
| 12 | Compensation for aircraft effects of magnetic gradient tensor measurements in a towed bird. Exploration Geophysics, 2018, 49, 713-725. | 1.1 | 11 |
| 13 | 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 |
| 14 | Global correlation imaging of magnetic total field gradients. Journal of Geophysics and Engineering, 2012, 9, 508-515. | 1.4 | 9 |
| 15 | 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 |
| 16 | A Wavenumber-Domain Iterative Approach for Rapid 3-D Imaging of Gravity Anomalies and Gradients. IEEE Access, 2019, 7, 34179-34188. | 4.2 | 8 |
| 17 | 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 |
| 18 | Apparent magnetization mapping in the presence of strong remanent magnetization: The space-domain inversion approach. Geophysics, 2016, 81, J11-J24. | 2.6 | 6 |

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|---|---------|----|----|
| 19 | 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 |
| 20 | Compositional Variation in the Crust of Peninsular Ranges and Surrounding Regions, Southern California, Revealed by Full‐Wave Seismic and Gravity Joint Inversion. Journal of Geophysical Research: Solid Earth, 2021, 126, . | 3.4 | 4 |
| 21 | The Crustal Structure of the North–South Earthquake Belt in China Revealed from Deep Seismic Soundings and Gravity Data. Pure and Applied Geophysics, 2018, 175, 193-205. | 1.9 | 3 |
| 22 | 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 |
| 23 | Apparent magnetization mapping in the presence of strong remanent magnetization: The space-domain inversion approach. Geophysics, 2016, 81, J25-J38. | 2.6 | 3 |
| 24 | 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 |
| 25 | 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 |
| 26 | Crustal thickness and Poisson's ratios in eastern China estimated jointly by receiver function and gravity data. Geophysical Journal International, 0, , . | 2.4 | 1 |
| 27 | A 3-D wavelet-based fusion technique for integrated interpretation of various physical-property models inversed from gravity and magnetic data. , 2015, , . | | 0 |
| 28 | A 3D space-domain approach for magnetic basement depth inversion in the presence of remanent magnetization. , 2015, , . | | 0 |
| 29 | The Antisymmetric Factor Method for Magnetic Reduction to the Pole at Low Latitudes. , 2013, , . | | 0 |
| 30 | 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 |
| 31 | The Identification of Magnetic Stripes: Corrected Age of Seafloor Spreading in the South China Sea Basin. , 2017, , . | | 0 |
| 32 | The frequency-domain approach for fast multi-parameter magnetic forward modeling of a 3D voxel-based model. , 2017, , . | | 0 |