

Di's Complete List of Books and Papers

(* indicates that Di is the corresponding author)

Books

- 1 **Di, Q.**, & Wang, R. (2008). Forward Modeling and Inversion of Controlled Source Audio-Frequency Magnetotelluric Data and Method Applications. Beijing: Science Press. (in Chinese)
- 2 **Di, Q.**, Wang, M., Fu, C., Li, D., Xu, C., & Zhuo, X. (2013). Research on Electromagnetic Wave Propagation Characteristics in the Earth-Ionosphere Model. Beijing: Science Press. (in Chinese)
- 3 **Di, Q.**, et al. (2016). Surface Electromagnetic Prospecting (SEP) System and Its Application in Typical Mining Areas. Beijing: Science Press. (in Chinese)
- 4 **Di, Q.**, Xue, G., & Xia, J. (2017). Technology and Application of Environmental and Engineering Geophysics: Selected Papers of the International Conference on Environmental and Engineering Geophysics (ICEEG-Beijing 2016). Singapore: Springer.
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- 6 **Di, Q.**, Xue, G., Wang, Z., et al. (2019). Multi-Channel Transient Electromagnetic Detection Technology. Beijing: Science Press. (in Chinese)
- 7 **Di, Q.**, Xue, G., An, Z., & Wang, Z. (2020). New Technology and Application of Electromagnetic Detection for Major Geological Engineering. Beijing: Science Press. (in Chinese)
- 8 **Di, Q.**, Xue, G., Wang, Z., et al. (2025). Ground Geophysical Technology and Equipment—Gravity, Magnetic, Electrical and Seismic Systems. Beijing: Science Press. (in Chinese)

Papers

- 1 Gao Ya, **Di Qingyun**, Fu Changmin, Zhang Yilang, Rapid Imaging of Subsurface Media With Magnetotellurics Based on Pix2Pix GAN, *IEEE Transactions on Geoscience and Remote Sensing*, 63 (2025), 4514509. doi: 10.1109/TGRS.2025.3576680
- 2 An Zhiguo, **Di Qingyun**, Fu Changmin, Wang Zhongxing, CSAMT-Driven Feasibility Assessment of Beishan Underground Research Laboratory. *Sensors*, 25 (2025), 4282. <https://doi.org/10.3390/s25144282>
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- 5 Wang Shuming, **Di Qingyun***, Xiao Yunxin, Fang Qichao, Li Deshan, Spectral characteristics of the digital filter for electromagnetic field decomposition in 3D MCSEM. *Applied Geophysics*, 22 (3)(2025), 563-570.
- 6 Hasan Muhammad, Shang Yanjun, **Di Qingyun**, Meng Qingsen, Estimation of Young's modulus for rocks using a non-invasive CSAMT method. *Bulletin of Engineering Geology and the Environment*, 83 (11)(2024), 464.
- 7 Yun Zhe, An Zhiguo, **Di Qingyun**, Zhang Yilang, Liang Pengfei, Fu Changmin, Lithospheric electrical structure and geodynamic model of the red river fault zone and its adjacent areas in southwest China: Constraints from 3-D magnetotelluric imaging. *Journal of Asian Earth Sciences*, 273 (2024), 106257.
- 8 **Wang Ruo***, Di Qingyun, Lei Da, Fu Changmin, Liang Pengfei, Wang Miaoyue, Three-dimensional CSAMT Forward Modeling of Potential Landslide Sliding Surfaces Using Finite Element Method. *Applied Geophysics*, 21 (4)(2024), 621-638.
- 9 Li Hai, **Di Qingyun**, Li Keying, Adaptive laterally constrained inversion of time-domain electromagnetic data using hierarchical Bayes. *Geophysics*, 89 (4)(2024), E129-E140.
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- 12 Tian Fei, **Di Qingyun**, Zheng Wenhao, Ge Xinmin, Zhang Wenxiu, Zhang Jiangyun, Yang Changchun, A formation intelligent evaluation solution for geosteering, *Chinese J. of Geophys. (in Chinese)*, 66(9)(2023), 3975-3989.
- 13 Liang Pengfei, **Di Qingyun**, Fu Changmin, Wang Ruo, Zhen Qihui, Yun Zhe, Zhang Jiagang, A two-step three dimensional marine magnetotelluric inversion method with considering rugged seafloor topography: Synthetic studies, *Science China Earth Sciences*, 66(4)(2023), 765 - 780.
- 14 Han Ying, An Zhiguo, **Di Qingyun**, Wang Zhongxing, Kang Lili, Research on noise suppression of magnetotelluric signal based on recurrent neural network, *Chinese J. of Geophys. (in Chinese)*, 66(10)(2023), 4317-4331.
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- 38 **Di Qingyun**, Tian Fei, Suo Yanhui, Gao Rui, Li Sanzhong, Fu Changmin, Wang Guangzeng, Li Feng, Tan yuyang, Linkage of Deep Lithospheric Structures to Intraplate Earthquakes: A Perspective from Multi-source and Multi-scale Geophysical Data in the South China Block, *Earth-Science Reviews*, 214 (2021), 103504.
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Patents

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