

Julien Guillemoteau

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

320
citations

933447

10
h-index

888059

17
g-index

25
all docs

25
docs citations

25
times ranked

268
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Laterally constrained inversion (LCI) of multi-configuration EMI data with tunable sharpness. <i>Journal of Applied Geophysics</i> , 2022, 196, 104519. | 2.1 | 9 |
| 2 | Sparse laterally constrained inversion of surface-wave dispersion curves via minimum gradient support regularization. <i>Geophysics</i> , 2022, 87, R281-R289. | 2.6 | 7 |
| 3 | Reconstruction, with tunable sparsity levels, of shear wave velocity profiles from surface wave data. <i>Geophysical Journal International</i> , 2021, 225, 1935-1951. | 2.4 | 16 |
| 4 | 3-D imaging of subsurface magnetic permeability/susceptibility with portable frequency domain electromagnetic sensors for near surface exploration. <i>Geophysical Journal International</i> , 2019, 219, 1773-1785. | 2.4 | 13 |
| 5 | Toward subsurface magnetic permeability imaging with electromagnetic induction sensors: Sensitivity computation and reconstruction of measured data. <i>Geophysics</i> , 2018, 83, E335-E345. | 2.6 | 10 |
| 6 | Short-lived increase in erosion during the African Humid Period: Evidence from the northern Kenya Rift. <i>Earth and Planetary Science Letters</i> , 2017, 459, 58-69. | 4.4 | 27 |
| 7 | 1D inversion of direct current data acquired with a rolling electrode system. <i>Journal of Applied Geophysics</i> , 2017, 146, 167-177. | 2.1 | 6 |
| 8 | Fast 3D multichannel deconvolution of electromagnetic induction loop-loop apparent conductivity data sets acquired at low induction numbers. <i>Geophysics</i> , 2017, 82, E357-E369. | 2.6 | 19 |
| 9 | Corrigendum to "Short-lived increase in erosion during the African Humid Period: Evidence from the northern Kenya Rift" [Earth Planet. Sci. Lett. 459 (2017) 58-69]. <i>Earth and Planetary Science Letters</i> , 2017, 474, 528. | 4.4 | 0 |
| 10 | 1D sequential inversion of portable multi-configuration electromagnetic induction data. <i>Near Surface Geophysics</i> , 2016, 14, 423-432. | 1.2 | 36 |
| 11 | Evaluation of a rapid hybrid spectral-spatial domain 3D forward-modeling approach for loop-loop electromagnetic induction quadrature data acquired in low-induction-number environments. <i>Geophysics</i> , 2016, 81, E447-E458. | 2.6 | 13 |
| 12 | Non-standard electromagnetic induction sensor configurations: Evaluating sensitivities and applicability. <i>Journal of Applied Geophysics</i> , 2015, 118, 15-23. | 2.1 | 19 |
| 13 | Inversion of ground constant offset loop-loop electromagnetic data for a large range of induction numbers. <i>Geophysics</i> , 2015, 80, E11-E21. | 2.6 | 23 |
| 14 | Modelling an arbitrarily oriented magnetic dipole over a homogeneous half-space for a rapid topographic correction of airborne EM data. <i>Exploration Geophysics</i> , 2015, 46, 85-96. | 1.1 | 8 |
| 15 | Airborne electromagnetic modelling options and their consequences in target definition. <i>Exploration Geophysics</i> , 2015, 46, 74-84. | 1.1 | 34 |
| 16 | Fast approximate 2D inversion of airborne TEM data: Born approximation and empirical approach. <i>Geophysics</i> , 2012, 77, WB89-WB97. | 2.6 | 24 |
| 17 | Influence of grain size, shape and compaction on georadar waves: examples of aeolian dunes. <i>Geophysical Journal International</i> , 2012, 190, 1455-1463. | 2.4 | 29 |
| 18 | Regularization strategy for the layered inversion of airborne transient electromagnetic data: application to in-loop data acquired over the basin of Franceville (Gabon). <i>Geophysical Prospecting</i> , 2011, 59, 1132-1143. | 1.9 | 20 |

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|----|---|-----|-----------|
| 19 | Rapid multi-scale analysis of near-surface geophysical anomaly maps: Application to an archaeo-geophysical data set. <i>Geophysics</i> , 0, , 1-41. | 2.6 | 5 |
| 20 | De nouvelles perspectives pour les applications des méthodes électromagnétiques basse fréquence en archéologie. , 0, 7, 272-282. | | 1 |
| 21 | Transfer of water and contaminants in the Chalk unsaturated zone - Underground quarry of Saint-Martin-le-Naud. <i>Geological Society Special Publication</i> , 0, , SP517-2020-231. | 1.3 | 0 |