Julien Guillemoteau

List of Publications by Year
in descending order

21	320	933447 10	888059 17
papers	citations	h-index	g-index

25	25	25	268
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	1D sequential inversion of portable multiâ€configuration electromagnetic induction data. Near Surface Geophysics, 2016, 14, 423-432.	1.2	36
2	Airborne electromagnetic modelling options and their consequences in target definition. Exploration Geophysics, 2015, 46, 74-84.	1.1	34
3	Influence of grain size, shape and compaction on georadar waves: examples of aeolian dunes. Geophysical Journal International, 2012, 190, 1455-1463.	2.4	29
4	Short-lived increase in erosion during the African Humid Period: Evidence from the northern Kenya Rift. Earth and Planetary Science Letters, 2017, 459, 58-69.	4.4	27
5	Fast approximate 2D inversion of airborne TEM data: Born approximation and empirical approach. Geophysics, 2012, 77, WB89-WB97.	2.6	24
6	Inversion of ground constant offset loop-loop electromagnetic data for a large range of induction numbers. Geophysics, 2015, 80, E11-E21.	2.6	23
7	Regularization strategy for the layered inversion of airborne transient electromagnetic data: application to inâ€loop data acquired over the basin of Franceville (Gabon). Geophysical Prospecting, 2011, 59, 1132-1143.	1.9	20
8	Non-standard electromagnetic induction sensor configurations: Evaluating sensitivities and applicability. Journal of Applied Geophysics, 2015, 118, 15-23.	2.1	19
9	Fast 3D multichannel deconvolution of electromagnetic induction loop-loop apparent conductivity data sets acquired at low induction numbers. Geophysics, 2017, 82, E357-E369.	2.6	19
10	Reconstruction, with tunable sparsity levels, of shear wave velocity profiles from surface wave data. Geophysical Journal International, 2021, 225, 1935-1951.	2.4	16
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. Geophysics, 2016, 81, E447-E458.	2.6	13
12	3-D imaging of subsurface magnetic permeability/susceptibility with portable frequency domain electromagnetic sensors for near surface exploration. Geophysical Journal International, 2019, 219, 1773-1785.	2.4	13
13	Toward subsurface magnetic permeability imaging with electromagnetic induction sensors: Sensitivity computation and reconstruction of measured data. Geophysics, 2018, 83, E335-E345.	2.6	10
14	Laterally constrained inversion (LCI) of multi-configuration EMI data with tunable sharpness. Journal of Applied Geophysics, 2022, 196, 104519.	2.1	9
15	Modelling an arbitrarily oriented magnetic dipole over a homogeneous half-space for a rapid topographic correction of airborne EM data. Exploration Geophysics, 2015, 46, 85-96.	1.1	8
16	Sparse laterally constrained inversion of surface-wave dispersion curves via minimum gradient support regularization. Geophysics, 2022, 87, R281-R289.	2.6	7
17	1D inversion of direct current data acquired with a rolling electrode system. Journal of Applied Geophysics, 2017, 146, 167-177.	2.1	6
18	Rapid multi-scale analysis of near-surface geophysical anomaly maps: Application to an archaeo-geophysical data set. Geophysics, 0, , 1-41.	2.6	5

#	Article	IF	Citations
19	De nouvelles perspectives pour les applications des mÃ©thodes Ã©lectromagnÃ©tiques basse frÃ©quence en archÃ©ologie. , 0, 7, 272-282.		1
20	Corrigendum to â€œShort-lived increase in erosion during the African Humid Period: Evidence from the northern Kenya Riftâ€•[Earth Planet. Sci. Lett. 459 (2017) 58â€“69]. Earth and Planetary Science Letters, 2017, 474, 528.	4.4	0
21	Transfer of water and contaminants in the Chalk unsaturated zone - Underground quarry of Saint-Martin-le-NÅ“ud. Geological Society Special Publication, 0, , SP517-2020-231.	1.3	0