

# Nicolas Florsch

## List of Publications by Year in descending order

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31  
papers

900  
citations

430874

18  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water uptake plasticity of savanna trees in encroached grassland: small trees match the mature trees. African Journal of Range and Forage Science, 2021, 38, 231-243.	1.4	2
2	Underground ancient mine work ventilation modeling. Journal of Archaeological Science: Reports, 2021, 37, 102805.	0.5	1
3	Development of an adaptive multi-method algorithm for automatic picking of first arrival times: application to near surface seismic data. Near Surface Geophysics, 2018, 16, 507-526.	1.2	12
4	Induced polarization response of porous media with metallic particles – Part 7: Detection and quantification of buried slag heaps. Geophysics, 2018, 83, E277-E291.	2.6	24
5	Upscaling of spectral induced polarization response using random tube networks. Geophysical Journal International, 2017, 209, 948-960.	2.4	19
6	Spectral induced polarization in a sandy medium containing semiconductor materials: experimental results and numerical modelling of the polarization mechanism. Near Surface Geophysics, 2017, 15, 669-683.	1.2	19
7	Assessing the high frequency behavior of non-polarizable electrodes for spectral induced polarization measurements. Journal of Applied Geophysics, 2016, 135, 449-455.	2.1	21
8	Induced polarization response of porous media with metallic particles – Part 1: A theory for disseminated semiconductors. Geophysics, 2015, 80, D525-D538.	2.6	105
9	Induced polarization response of porous media with metallic particles – Part 2: Comparison with a broad database of experimental data. Geophysics, 2015, 80, D539-D552.	2.6	79
10	Spectral induced polarization of clay-sand mixtures: Experiments and modeling. Geophysics, 2014, 79, E353-E375.	2.6	67
11	Magnetic Prospection of the Pre-Columbian Archaeological Site of El Caño in the cultural region of Gran Cocle, Panama. Archaeological Prospection, 2014, 21, 201-211.	2.2	0
12	Inversion of generalized relaxation time distributions with optimized damping parameter. Journal of Applied Geophysics, 2014, 109, 119-132.	2.1	37
13	Soil clay influences <i>Acacia</i> encroachment in a South African grassland. Ecohydrology, 2014, 7, 1474-1484.	2.4	11
14	The indirect impact of encroaching trees on gully extension: A 64year study in a sub-humid grassland of South Africa. Catena, 2012, 98, 110-119.	5.0	46
15	Quantification of slag heap volumes and masses through the use of induced polarization: application to the Castel-Minier site. Journal of Archaeological Science, 2011, 38, 438-451.	2.4	56
16	Neotectonics and current hydrologically-induced karst deformation. Case study of the Plateau de Calern (Alpes-Maritimes, France). Geodinamica Acta, 2010, 23, 49-64.	2.2	7
17	CR1Dinv: A Matlab program to invert 1D spectral induced polarization data for the Cole-Cole model including electromagnetic effects. Computers and Geosciences, 2009, 35, 255-266.	4.2	24
18	Tilt and strain deformation induced by hydrologically active natural fractures: application to the tiltmeters installed in Sainte-Croix-aux-Mines observatory (France). Geophysical Journal International, 2009, 178, 667-677.	2.4	30

#	ARTICLE	IF	CITATIONS
19	Modelling of Maxwell-Wagner induced polarisation amplitude for clayey materials. <i>Journal of Applied Geophysics</i> , 2009, 67, 109-113.	2.1	19
20	Local and global hydrological contributions to gravity variations observed in Strasbourg. <i>Journal of Geodynamics</i> , 2009, 48, 189-194.	1.6	56
21	Oceanic loading monitored by ground-based tiltmeters at Cherbourg (France). <i>Journal of Geodynamics</i> , 2009, 48, 211-218.	1.6	2
22	Modelling atmospheric and induced non-tidal oceanic loading contributions to surface gravity and tilt measurements. <i>Journal of Geodynamics</i> , 2009, 48, 182-188.	1.6	40
23	Estimation of the Free Core Nutation parameters from SG data: Sensitivity study and comparative analysis using linearized least-squares and Bayesian methods. <i>Journal of Geodynamics</i> , 2009, 48, 331-339.	1.6	31
24	Multi-technique monitoring of ocean tide loading in northern France. <i>Comptes Rendus - Geoscience</i> , 2008, 340, 379-389.	1.2	12
25	Effects of Drying on the Low-Frequency Electrical Properties of Tournemire Argillites. <i>Pure and Applied Geophysics</i> , 2007, 164, 2043-2066.	1.9	48
26	Validation of long-period oceanic tidal models with superconducting gravimeters. <i>Journal of Geodynamics</i> , 2006, 41, 112-118.	1.6	13
27	Non-linear oceanic tides observed by superconducting gravimeters in Europe. <i>Journal of Geodynamics</i> , 2004, 38, 391-405.	1.6	25
28	A rapid electrical sounding method. <i>Journal of Applied Geophysics</i> , 2001, 47, 83-96.	2.1	5
29	Bayesian estimation of the free core nutation parameters from the analysis of precise tidal gravity data. <i>Physics of the Earth and Planetary Interiors</i> , 2000, 117, 21-35.	1.9	37
30	The search for weak harmonic signals in a spectrum with application to gravity data. <i>Physics of the Earth and Planetary Interiors</i> , 1995, 90, 197-210.	1.9	19
31	A simple method to retrieve the complex eigenfrequency of the Earth's nearly diurnal-free wobble; application to the Strasbourg superconducting gravimeter data. <i>Geophysical Journal International</i> , 1994, 116, 53-63.	2.4	28