

# Cecile Doubre

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,931  
citations

331670

21  
h-index

254184

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrections of stratified tropospheric delays in SAR interferometry: Validation with global atmospheric models. <i>Journal of Applied Geophysics</i> , 2009, 69, 35-50.	2.1	314
2	Slip accumulation and lateral propagation of active normal faults in Afar. <i>Journal of Geophysical Research</i> , 2001, 106, 13667-13696.	3.3	237
3	Landslide deformation monitoring with ALOS/PALSAR imagery: A D-InSAR geomorphological interpretation method. <i>Geomorphology</i> , 2015, 231, 314-330.	2.6	160
4	The AlpArray Seismic Network: A Large-Scale European Experiment to Image the Alpine Orogen. <i>Surveys in Geophysics</i> , 2018, 39, 1009-1033.	4.6	138
5	SI-Hex: a new catalogue of instrumental seismicity for metropolitan France. <i>Bulletin - Soci�t� Geologique De France</i> , 2015, 186, 3-19.	2.2	77
6	Fluid-controlled faulting process in the Asal Rift, Djibouti, from 8 yr of radar interferometry observations. <i>Geology</i> , 2007, 35, 69.	4.4	71
7	Seismicity during lateral dike propagation: Insights from new data in the recent Manda Hararo Dabbahu rifting episode (Afar, Ethiopia). <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	66
8	Numerical modelling of quaternary deformation and post-rifting displacement in the Asal Ghoubbet rift (Djibouti, Africa). <i>Earth and Planetary Science Letters</i> , 2005, 239, 352-367.	4.4	61
9	Multiple mantle upwellings in the transition zone beneath the northern African rift system from relative P-wave travel time tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 2949-2968.	2.5	52
10	Recent land subsidence caused by the rapid urban development in the Hanoi region (Vietnam) using ALOS InSAR data. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 657-674.	3.6	50
11	Seismic and aseismic deformation along the East African Rift System from a reanalysis of the GPS velocity field of Africa. <i>Geophysical Journal International</i> , 2013, 193, 1353-1369.	2.4	41
12	Magma influence on propagation of normal faults: Evidence from cumulative slip profiles along Dabbahu-Manda-Hararo rift segment (Afar, Ethiopia). <i>Journal of Structural Geology</i> , 2017, 95, 48-59.	2.3	37
13	Crustal structure and magmato-tectonic processes in an active rift (Asal-Ghoubbet, Afar, East Africa): 2. Insights from the 23-year recording of seismicity since the last rifting event. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	33
14	Current deformation in Central Afar and triple junction kinematics deduced from GPS and InSAR measurements. <i>Geophysical Journal International</i> , 2017, 208, 936-953.	2.4	33
15	Imaging Lithospheric Discontinuities Beneath the Northern East African Rift Using Receiver Functions. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4048-4062.	2.5	33
16	Deep Transient Slow Slip Detected by Survey GPS in the Region of Atacama, Chile. <i>Geophysical Research Letters</i> , 2018, 45, 12263-12273.	4.0	32
17	Elastic thickness control of lateral dyke intrusion at mid-ocean ridges. <i>Earth and Planetary Science Letters</i> , 2012, 319-320, 83-95.	4.4	31
18	Strain rate tensor in Iran from a new GPS velocity field. <i>Geophysical Journal International</i> , 2014, 197, 10-21.	2.4	31

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19	Mayotte seismic crisis: building knowledge in near real-time by combining land and ocean-bottom seismometers, first results. <i>Geophysical Journal International</i> , 2021, 228, 1281-1293.	2.4	30
20	Revisiting the 1992 Landers earthquake: a Bayesian exploration of co-seismic slip and off-fault damage. <i>Geophysical Journal International</i> , 2018, 212, 839-852.	2.4	26
21	Crustal structure and magmato-tectonic processes in an active rift (Asal-Ghoubbet, Afar, East Africa): 1. Insights from a 5-month seismological experiment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	23
22	Kinematics and deformation of the southern Red Sea region from GPS observations. <i>Geophysical Journal International</i> , 2020, 221, 2143-2154.	2.4	23
23	Small-scale thermal upwellings under the northern East African Rift from <i>S</i> travel time tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7395-7408.	3.4	22
24	Magmatism on rift flanks: Insights from ambient noise phase velocity in Afar region. <i>Geophysical Research Letters</i> , 2015, 42, 2179-2188.	4.0	21
25	Time evolution of mining-related residual subsidence monitored over a 24-year period using InSAR in southern Alsace, France. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2021, 102, 102392.	2.8	21
26	Analysis of a landslide multi-date inventory in a complex mountain landscape: the Ubaye valley case study. <i>Natural Hazards and Earth System Sciences</i> , 2015, 15, 2369-2389.	3.6	19
27	Surface displacements on faults triggered by slow magma transfers between dyke injections in the 2005-2010 rifting episode at Dabbahu-Manda-Hararo rift (Afar, Ethiopia). <i>Geophysical Journal International</i> , 2016, 204, 399-417.	2.4	19
28	Uppermost mantle velocity from Pn tomography in the Gulf of Aden. , 2014, 10, 958-968.		18
29	Seafloor spreading event in western Gulf of Aden during the November 2010-March 2011 period captured by regional seismic networks: evidence for diking events and interactions with a nascent transform zone. <i>Geophysical Journal International</i> , 2016, 205, 1244-1266.	2.4	18
30	FMHex20: An earthquake focal mechanism database for seismotectonic analyses in metropolitan France and bordering regions. <i>Bulletin - Societe Geologique De France</i> , 2021, 192, 10.	2.2	17
31	Present-day Motion of the Arabian Plate. <i>Tectonics</i> , 2022, 41, .	2.8	17
32	Rift-zone development around a plume-related magma centre on the Isle of Skye (Scotland): a model for stress inversions. <i>Terra Nova</i> , 2003, 15, 230-237.	2.1	16
33	Structural control on the kinematics of the deep-seated La Clapière landslide revealed by L-band InSAR observations. <i>Landslides</i> , 2016, 13, 1005-1018.	5.4	15
34	9000 years of human lakeside adaptation in the Ethiopian Afar: Fisher-foragers and the first pastoralists in the Lake Abhe basin during the African Humid Period. <i>Quaternary Science Reviews</i> , 2020, 243, 106459.	3.0	15
35	Present-day deformation in the Upper Rhine Graben from GNSS data. <i>Geophysical Journal International</i> , 2020, 223, 599-611.	2.4	13
36	Transient deformation in the Asal-Ghoubbet Rift (Djibouti) since the 1978 diking event: Is deformation controlled by magma supply rates?. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6030-6052.	3.4	12

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37	Shear wave splitting in the Alpine region. <i>Geophysical Journal International</i> , 2021, 227, 1996-2015.	2.4	12
38	Spatial-temporal variations of water vapor content over Ethiopia: a study using GPS observations and the ECMWF model. <i>GPS Solutions</i> , 2017, 21, 89-99.	4.3	9
39	Toward False Event Detection and Quarry Blast versus Earthquake Discrimination in an Operational Setting Using Semiautomated Machine Learning. <i>Seismological Research Letters</i> , 2021, 92, 3725-3742.	1.9	9
40	The unexpected Mayotte 2018-2020 seismic sequence: a reappraisal of the regional seismicity of the Comoros. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 211-235.	1.2	9
41	Lower Crustal Earthquakes in the March 2018 Sequence Along the Western Margin of Afar. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009614.	2.5	8
42	Plateau Boundary Kinematics of the Afrera Linkage Zone (Afar) From InSAR and Seismicity. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021387.	3.4	8
43	Seismotectonics in Northeastern France and neighboring regions. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 153-185.	1.2	7
44	Rifting Processes at a Continent-Ocean Transition Rift Revealed by Fault Analysis: Example of Dabbahu-Manda-Hararo Rift (Ethiopia). <i>Tectonics</i> , 2019, 38, 190-214.	2.8	6
45	Holocene East African monsoonal variations recorded in wave-dominated clastic paleo-shorelines of Lake Abhe, Central Afar region (Ethiopia & Djibouti). <i>Geomorphology</i> , 2021, 391, 107896.	2.6	6
46	Automatic approach for increasing the location accuracy of slow-moving landslide endogenous seismicity: the APOLoc method. <i>Geophysical Journal International</i> , 2018, 215, 1455-1473.	2.4	5
47	Across and along-strike crustal structure variations of the western Afar margin and adjacent plateau: Insights from receiver functions analysis. <i>Journal of African Earth Sciences</i> , 2022, 192, 104570.	2.0	5
48	Hydrothermal fluid flow triggered by an earthquake in Iceland. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	6.8	0