

Eric Calais

List of Publications by Year in descending order

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155
papers

10,985
citations

19608

61
h-index

34900

98
g-index

168
all docs

168
docs citations

168
times ranked

6651
citing authors

#	ARTICLE	IF	CITATIONS
1	GPS detection of ionospheric perturbations following the January 17, 1994, Northridge Earthquake. <i>Geophysical Research Letters</i> , 1995, 22, 1045-1048.	1.5	376
2	Geodetic Measurements of Crustal Deformation in the Western Mediterranean and Europe. <i>Pure and Applied Geophysics</i> , 2004, 161, 661-681.	0.8	301
3	GPS geodetic constraints on Caribbean-North America Plate Motion. <i>Geophysical Research Letters</i> , 2000, 27, 437-440.	1.5	288
4	The use of Global Positioning System techniques for the continuous monitoring of landslides: application to the Super-Sauze earthflow (Alpes-de-Haute-Provence, France). <i>Geomorphology</i> , 2002, 43, 33-54.	1.1	270
5	Present-day kinematics of the East African Rift. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 3584-3600.	1.4	267
6	Crustal motion in Indonesia from Global Positioning System measurements. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	264
7	A kinematic model for the East African Rift. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	240
8	Geophysical constraints on the dynamics of spreading centres from rifting episodes on land. <i>Nature Geoscience</i> , 2012, 5, 242-250.	5.4	231
9	GPS measurements of crustal deformation in the Baikal-Mongolia area (1994-2002): Implications for current kinematics of Asia. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	208
10	Strain accommodation by slow slip and dyking in a youthful continental rift, East Africa. <i>Nature</i> , 2008, 456, 783-787.	13.7	200
11	Current strain regime in the Western Alps from continuous Global Positioning System measurements, 1996-2001. <i>Geology</i> , 2002, 30, 651.	2.0	187
12	Oblique collision in the northeastern Caribbean from GPS measurements and geological observations. <i>Tectonics</i> , 2002, 21, 7-1-7-26.	1.3	184
13	Crustal velocity field of western Europe from permanent GPS array solutions, 1996-2001. <i>Geophysical Journal International</i> , 2003, 154, 72-88.	1.0	176
14	Transpressional rupture of an unmapped fault during the 2010 Haiti earthquake. <i>Nature Geoscience</i> , 2010, 3, 794-799.	5.4	176
15	Dual continental rift systems generated by plume-lithosphere interaction. <i>Nature Geoscience</i> , 2015, 8, 388-392.	5.4	176
16	Interseismic Plate coupling and strain partitioning in the Northeastern Caribbean. <i>Geophysical Journal International</i> , 2008, 174, 889-903.	1.0	164
17	Deformation of the North American plate interior from a decade of continuous GPS measurements. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	162
18	Evidence for a post-3.16-Ma change in Nubia-Eurasia-North America plate motions?. <i>Earth and Planetary Science Letters</i> , 2003, 216, 81-92.	1.8	158

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19	Implications of deformation following the 2002 Denali, Alaska, earthquake for postseismic relaxation processes and lithospheric rheology. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	157
20	Evidence for focused magmatic accretion at segment centers from lateral dike injections captured beneath the Red Sea rift in Afar. <i>Geology</i> , 2009, 37, 59-62.	2.0	154
21	A new paradigm for large earthquakes in stable continental plate interiors. <i>Geophysical Research Letters</i> , 2016, 43, 10,621.	1.5	154
22	Active thrust faulting offshore Boumerdes, Algeria, and its relations to the 2003 Mw 6.9 earthquake. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	143
23	Relative motion between the Caribbean and North American plates and related boundary zone deformation from a decade of GPS observations. <i>Journal of Geophysical Research</i> , 1998, 103, 15157-15182.	3.3	140
24	Geodetic observations of interseismic strain segmentation at the Sumatra Subduction Zone. <i>Geophysical Research Letters</i> , 1997, 24, 2601-2604.	1.5	134
25	Triggering of New Madrid seismicity by late-Pleistocene erosion. <i>Nature</i> , 2010, 466, 608-611.	13.7	132
26	Current block motions and strain accumulation on active faults in the Caribbean. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 3748-3774.	1.4	128
27	Capturing magma intrusion and faulting processes during continental rupture: seismicity of the Dabbahu (Afar) rift. <i>Geophysical Journal International</i> , 2008, 174, 1138-1152.	1.0	123
28	First geodetic measurement of convergence across the Java Trench. <i>Geophysical Research Letters</i> , 1994, 21, 2135-2138.	1.5	122
29	Ionospheric signature of surface mine blasts from Global Positioning System measurements. <i>Geophysical Journal International</i> , 2002, 132, 191-202.	1.0	121
30	Continental deformation in Asia from a combined GPS solution. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	119
31	Accuracy and Variability of GPS Tropospheric Delay Measurements of Water Vapor in the Western Mediterranean. <i>Journal of Applied Meteorology and Climatology</i> , 2003, 42, 1547-1568.	1.7	118
32	Neotectonics of Puerto Rico and the Virgin Islands, northeastern Caribbean, from GPS geodesy. <i>Tectonics</i> , 2000, 19, 1021-1037.	1.3	104
33	Geodetic observations of the ongoing Dabbahu rifting episode: new dyke intrusions in 2006 and 2007. <i>Geophysical Journal International</i> , 2009, 178, 989-1003.	1.0	101
34	Stress-dependent power-law flow in the upper mantle following the 2002 Denali, Alaska, earthquake. <i>Earth and Planetary Science Letters</i> , 2006, 252, 481-489.	1.8	99
35	Searching for the Africa-Eurasia Miocene boundary offshore western Algeria (MARADJA'03 cruise). <i>Comptes Rendus - Geoscience</i> , 2006, 338, 80-91.	0.4	96
36	Lithosphere-atmosphere-ionosphere coupling after the 2003 explosive eruption of the Soufriere Hills Volcano, Montserrat. <i>Geophysical Journal International</i> , 2009, 179, 1537-1546.	1.0	94

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37	Global Positioning System detection and energy estimation of the ionospheric wave caused by the 13 July 2003 explosion of the Soufrière Hills Volcano, Montserrat. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	93
38	Accretion of the southern Banda arc to the Australian plate margin determined by Global Positioning System measurements. <i>Tectonics</i> , 1996, 15, 288-295.	1.3	92
39	Strain partitioning and fault slip rates in the northeastern Caribbean from GPS measurements. <i>Geophysical Research Letters</i> , 2002, 29, 3-1-3-4.	1.5	91
40	Increasing seismicity in the U. S. midcontinent: Implications for earthquake hazard. <i>The Leading Edge</i> , 2015, 34, 618-626.	0.4	90
41	GPS measurements of crustal deformation within the Pacific-Australia plate boundary zone in Irian Jaya, Indonesia. <i>Tectonophysics</i> , 1994, 237, 141-153.	0.9	87
42	GPS detection of ionospheric perturbations following a space shuttle ascent. <i>Geophysical Research Letters</i> , 1996, 23, 1897-1900.	1.5	87
43	Kinematics of the East African Rift from GPS and earthquake slip vector data. <i>Geological Society Special Publication</i> , 2006, 259, 9-22.	0.8	86
44	Slip distribution of the 2003 Boumerdes-Zemmouri earthquake, Algeria, from teleseismic, GPS, and coastal uplift data. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	84
45	Investigation of ionospheric electron content variations before earthquakes in southern California, 2003–2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	84
46	A new velocity field for Africa from combined GPS and DORIS space geodetic Solutions: Contribution to the definition of the African reference frame (AFREF). <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1677-1697.	1.4	83
47	GPS, earthquakes, the ionosphere, and the Space Shuttle. <i>Physics of the Earth and Planetary Interiors</i> , 1998, 105, 167-181.	0.7	82
48	Current kinematics and dynamics of Africa and the East African Rift System. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5161-5186.	1.4	78
49	Constraints on the viscosity of the continental crust and mantle from GPS measurements and postseismic deformation models in western Mongolia. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	75
50	GPS estimates of microplate motions, northern Caribbean: evidence for a Hispaniola microplate and implications for earthquake hazard. <i>Geophysical Journal International</i> , 2012, 191, 481-490.	1.0	75
51	Time-Variable Deformation in the New Madrid Seismic Zone. <i>Science</i> , 2009, 323, 1442-1442.	6.0	72
52	Crustal deformation in the Baikal Rift from GPS measurements. <i>Geophysical Research Letters</i> , 1998, 25, 4003-4006.	1.5	71
53	Deep structure and mechanical behavior of the lithosphere in the Hangai region, Mongolia: new constraints from gravity modeling. <i>Earth and Planetary Science Letters</i> , 2002, 197, 133-149.	1.8	71
54	Mid-Continent Earthquakes as a Complex System. <i>Seismological Research Letters</i> , 2009, 80, 551-553.	0.8	71

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55	Three-dimensional simulations of the southern polar giant impact hypothesis for the origin of the Martian dichotomy. <i>Geophysical Research Letters</i> , 2014, 41, 8736-8743.	1.5	71
56	Fault interaction and stress triggering of twentieth century earthquakes in Mongolia. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	70
57	Intraplate deformation in western Europe deduced from an analysis of the International Terrestrial Reference Frame 1997 (ITRF97) velocity field. <i>Journal of Geophysical Research</i> , 2001, 106, 11239-11257.	3.3	68
58	Coulomb stress evolution in Northeastern Caribbean over the past 250 years due to coseismic, postseismic and interseismic deformation. <i>Geophysical Journal International</i> , 2008, 174, 904-918.	1.0	68
59	Contrasted continental rifting via plume-craton interaction: Applications to Central East African Rift. <i>Geoscience Frontiers</i> , 2016, 7, 221-236.	4.3	68
60	Toward a Global Horizontal and Vertical Elastic Load Deformation Model Derived from GRACE and GNSS Station Position Time Series. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3225-3237.	1.4	68
61	Hydrologically-driven crustal stresses and seismicity in the New Madrid Seismic Zone. <i>Nature Communications</i> , 2017, 8, 2143.	5.8	67
62	Dynamics of continental deformation in Asia. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	66
63	Plate boundary segmentation in the northeastern Caribbean from geodetic measurements and Neogene geological observations. <i>Comptes Rendus - Geoscience</i> , 2016, 348, 42-51.	0.4	64
64	Stress transfer between thirteen successive dyke intrusions in Ethiopia. <i>Nature Geoscience</i> , 2010, 3, 713-717.	5.4	62
65	Evidence for the release of long-term tectonic strain stored in continental interiors through intraplate earthquakes. <i>Geophysical Research Letters</i> , 2016, 43, 6826-6836.	1.5	62
66	GPS rotation and strain rates in the Baikal-Mongolia region. <i>Russian Geology and Geophysics</i> , 2010, 51, 785-793.	0.3	61
67	From transcurrent faulting to frontal subduction: A seismotectonic study of the Northern Caribbean Plate Boundary from Cuba to Puerto Rico. <i>Tectonics</i> , 1992, 11, 114-123.	1.3	59
68	Geodetic constraints on glacial isostatic adjustment in Europe. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	58
69	Paleogeodynamic maps of the Caribbean; 14 steps from Lias to present. <i>Bulletin - Societe Geologique De France</i> , 1990, VI, 915-919.	0.9	56
70	Current plate boundary deformation of the Afar rift from a velocity field inversion of InSAR and GPS. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 8562-8575.	1.4	56
71	Active deformation in Algeria from continuous GPS measurements. <i>Geophysical Journal International</i> , 2019, 217, 572-588.	1.0	56
72	From transtension to transpression along the northern Caribbean plate boundary off Cuba: implications for the Recent motion of the Caribbean plate. <i>Tectonophysics</i> , 1991, 186, 329-350.	0.9	54

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73	Coseismic deformation of the May 21st, 2003, Mw= 6.8 Boumerdes earthquake, Algeria, from GPS measurements. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	54
74	Continuous GPS measurements across the Western Alps, 1996-1998. <i>Geophysical Journal International</i> , 1999, 138, 221-230.	1.0	53
75	GPS constraints on continental deformation in the Armenian region and Lesser Caucasus. <i>Tectonophysics</i> , 2013, 592, 39-45.	0.9	53
76	Upper mantle temperature and the onset of extension and break-up in Afar, Africa. <i>Earth and Planetary Science Letters</i> , 2015, 418, 78-90.	1.8	52
77	Three-dimensional laboratory modelling of rifting: application to the Baikal Rift, Russia. <i>Tectonophysics</i> , 2002, 356, 253-273.	0.9	51
78	Impact of GPS Zenith Tropospheric Delay data on precipitation forecasts in Mediterranean France and Spain. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	51
79	Is there a northern Lesser Antilles forearc block?. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	51
80	Three-dimensional dynamic rupture simulations across interacting faults: The Mw=7.0, 2010, Haiti earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 1108-1128.	1.4	48
81	Data-adaptive detection of transient deformation in geodetic networks. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2129-2152.	1.4	48
82	Crustal strain in the Southern Alps, France, 1948-1998. <i>Tectonophysics</i> , 2000, 319, 1-17.	0.9	47
83	GPS network monitors the Western Alps' deformation over a five-year period: 1993-1998. <i>Journal of Geodesy</i> , 2002, 76, 63-76.	1.6	44
84	Tectonic strain in plate interiors?. <i>Nature</i> , 2005, 438, E9-E10.	13.7	43
85	Post-rifting relaxation in the Afar region, Ethiopia. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	43
86	Crustal Structure and Fault Geometry of the 2010 Haiti Earthquake from Temporary Seismometer Deployments. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 2305-2325.	1.1	43
87	Finite element modelling of crustal deformation in the Baikal rift zone: new insights into the active-passive rifting debate. <i>Tectonophysics</i> , 1998, 289, 327-340.	0.9	42
88	Lithospheric buoyancy forces in Africa from a thin sheet approach. <i>International Journal of Earth Sciences</i> , 2010, 99, 1525-1533.	0.9	42
89	Plume-induced continental rifting and break-up in ultra-slow extension context: Insights from 3D numerical modeling. <i>Tectonophysics</i> , 2018, 746, 121-137.	0.9	42
90	Strike-slip tectonic processes in the northern Caribbean between Cuba and Hispaniola (Windward) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	0.5	41

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91	GPS measurements of ocean loading and its impact on zenith tropospheric delay estimates: a case study in Brittany, France. <i>Journal of Geodesy</i> , 2002, 76, 419-427.	1.6	41
92	Seismic Hazard Maps for Haiti. <i>Earthquake Spectra</i> , 2011, 27, 23-41.	1.6	40
93	Propagation of plasma bubbles observed in Brazil from GPS and airglow data. <i>Advances in Space Research</i> , 2011, 47, 1758-1776.	1.2	39
94	Coseismic Slip Distribution of the 2010 M 7.0 Haiti Earthquake and Resulting Stress Changes on Regional Faults. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 2326-2343.	1.1	39
95	Strain accumulation in the New Madrid and Wabash Valley seismic zones from 14 years of continuous GPS observation. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 9110-9129.	1.4	38
96	The April 2017 M _w 6.5 Botswana Earthquake: An Intraplate Event Triggered by Deep Fluids. <i>Geophysical Research Letters</i> , 2018, 45, 8886-8896.	1.5	38
97	InSAR observations of post-rifting deformation around the Dabbahu rift segment, Afar, Ethiopia. <i>Geophysical Journal International</i> , 2014, 197, 33-49.	1.0	36
98	Detection of ionospheric perturbations using a dense GPS array in Southern California. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	34
99	Shallow afterslip following the 2003 May 21, M _w = 6.9 Boumerdes earthquake, Algeria. <i>Geophysical Journal International</i> , 2008, 172, 155-166.	1.0	34
100	Present-day shortening in Southern Haiti from GPS measurements and implications for seismic hazard. <i>Tectonophysics</i> , 2016, 679, 117-124.	0.9	34
101	Role of mantle flow in Nubia–Somalia plate divergence. <i>Geophysical Research Letters</i> , 2015, 42, 290-296.	1.5	33
102	Current deformation in Central Afar and triple junction kinematics deduced from GPS and InSAR measurements. <i>Geophysical Journal International</i> , 2017, 208, 936-953.	1.0	33
103	Active and recent deformation at the Southern Alps – Ligurian basin junction. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2001, 80, 255-272.	0.6	31
104	Dynamics of intracontinental extension in the north Baikal rift from two-dimensional numerical deformation modeling. <i>Journal of Geophysical Research</i> , 2000, 105, 21727-21744.	3.3	30
105	Contemporary horizontal movements and seismicity of the south Baikal Basin (Baikal rift system). <i>Izvestiya, Physics of the Solid Earth</i> , 2014, 50, 785-794.	0.2	30
106	Afar triple junction triggered by plume-assisted bi-directional continental break-up. <i>Scientific Reports</i> , 2018, 8, 14742.	1.6	30
107	Reducing satellite orbit error effects in near real-time GPS zenith tropospheric delay estimation for meteorology. <i>Geophysical Research Letters</i> , 2000, 27, 1915-1918.	1.5	29
108	A method for detecting ionospheric disturbances and estimating their propagation speed and direction using a large GPS network. <i>Radio Science</i> , 2007, 42, .	0.8	29

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109	Focused study of interweaving hazards across the Caribbean. <i>Eos</i> , 2012, 93, 89-90.	0.1	28
110	New constraints on current deformation in Asia from continuous GPS measurements at Ulan Baatar, Mongolia. <i>Geophysical Research Letters</i> , 2000, 27, 1527-1530.	1.5	27
111	Extension in the Baikal rift: Present-day kinematics of passive rifting. <i>Doklady Earth Sciences</i> , 2009, 425, 205-209.	0.2	25
112	Detection and modelling of the ionospheric perturbation caused by a Space Shuttle launch using a network of ground-based Global Positioning System stations. <i>Geophysical Journal International</i> , 2013, 192, 1324-1331.	1.0	25
113	Citizen seismology helps decipher the 2021 Haiti earthquake. <i>Science</i> , 2022, 376, 283-287.	6.0	25
114	Constraints on Transient Viscoelastic Rheology of the Asthenosphere From Seasonal Deformation. <i>Geophysical Research Letters</i> , 2018, 45, 2328-2338.	1.5	24
115	Atmospheric gradients estimated by GPS compared to a high resolution numerical weather prediction (NWP) model. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 147-152.	0.6	23
116	Non-uniform splitting of a single mantle plume by double cratonic roots: Insight into the origin of the central and southern East African Rift System. <i>Terra Nova</i> , 2018, 30, 125-134.	0.9	22
117	Deformation in the Jura Mountains (France): First results from semi-permanent GPS measurements. <i>Earth and Planetary Science Letters</i> , 2006, 245, 365-372.	1.8	21
118	Along-Axis Variations of Rift Width in a Coupled Lithosphere-Mantle System, Application to East Africa. <i>Geophysical Research Letters</i> , 2018, 45, 5362-5370.	1.5	20
119	The Tectonics and Active Faulting of Haiti from Seismicity and Tomography. <i>Tectonics</i> , 2019, 38, 1138-1155.	1.3	20
120	The contributions of the MAGIC project to the COST 716 objectives of assessing the operational potential of ground-based GPS meteorology on an international scale. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 433-437.	0.6	19
121	Are post-seismic effects of the M= 8.4 Bolnay earthquake (1905 July 23) still influencing GPS velocities in the Mongolia-Baikal area?. <i>Geophysical Journal International</i> , 2002, 149, 157-168.	1.0	19
122	A Natural Model of Active Transpressional Tectonics the en Ã‰chelon Structures of the Oriente Deep, Along the Northern Caribbean Transcurrent Plate Boundary (Southern Cuban Margin). <i>Oil & Gas Science & Technology</i> , 1990, 45, 147-160.	0.2	19
123	Semiquantitative modeling of strain and kinematics along the Caribbean/North America strike-slip plate boundary zone. <i>Journal of Geophysical Research</i> , 1993, 98, 8293-8308.	3.3	18
124	Tsunami scenarios and hazard assessment along the northern coast of Haiti. <i>Geophysical Journal International</i> , 2015, 203, 2287-2302.	1.0	18
125	Sensitivity of zenith total delay accuracy to GPS orbit errors and implications for near-real-time GPS meteorology. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 12-1.	3.3	16
126	GPS zenith tropospheric delay (ZTD) variability in the Mediterranean. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 439-443.	0.6	15

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127	Use of a high-precision gravity survey to understand the formation of oceanic crust and the role of melt at the southern Red Sea rift in Afar, Ethiopia. Geological Society Special Publication, 2016, 420, 165-180.	0.8	15
128	Reconciling geodetic and geological estimates of recent plate motion across the Southwest Indian Ridge. Geophysical Journal International, 2017, 208, 118-133.	1.0	15
129	Data-adaptive spatio-temporal filtering of GRACE data. Geophysical Journal International, 2019, 219, 2034-2055.	1.0	15
130	Strike-slip tectonics and seismicity along the northern Caribbean plate boundary from Cuba to Hispaniola. , 1998, , .		15
131	Sismos a l'Ecole: A Worldwide Network of Real-Time Seismometers in Schools. Seismological Research Letters, 2012, 83, 870-873.	0.8	14
132	GPS-measurements of recent crustal deformation in the junction zone of the rift segments in the central Baikal rift system. Russian Geology and Geophysics, 2013, 54, 1417-1426.	0.3	13
133	A Socio-Seismology Experiment in Haiti. Frontiers in Earth Science, 2020, 8, .	0.8	13
134	Inferring Interseismic Coupling Along the Lesser Antilles Arc: A Bayesian Approach. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020677.	1.4	13
135	Exploration of remote triggering: A survey of multiple fault structures in Haiti. Earth and Planetary Science Letters, 2016, 455, 14-24.	1.8	12
136	Tectonic and Kinematic Regime along the Northern Caribbean Plate Boundary: New Insights from Broad-band Modeling of the May 25, 1992, M s = 6.9 Cabo Cruz, Cuba, Earthquake. Pure and Applied Geophysics, 1997, 149, 475-487.	0.8	11
137	Comment on "Zemmouri earthquake rupture zone ($M_w < 6.8$, Algeria): Aftershocks sequence relocation and 3D velocity model" by A. Ayadi et al.. Journal of Geophysical Research, 2010, 115, .	3.3	11
138	Oscillatory nature of the Okmok volcano's deformation. Earth and Planetary Science Letters, 2019, 506, 76-86.	1.8	11
139	REGAL; reseau GPS permanent dans les Alpes occidentales; configuration et premiers resultats. Bulletin - Societe Geologique De France, 2001, 172, 141-158.	0.9	9
140	Seasonal effect on vertical positioning by Satellite Laser Ranging and Global Positioning System and on absolute gravity at the OCA geodetic station, Grasse, France. Geophysical Journal International, 2006, 167, 1127-1137.	1.0	8
141	Damage to engineered structures during the 12 January 2010, Haiti (L'ogÃcne) earthquake. Canadian Journal of Civil Engineering, 2013, 40, 777-790.	0.7	8
142	Deep submarine landslide contribution to the 2010 Haiti earthquake tsunami. Natural Hazards and Earth System Sciences, 2020, 20, 2055-2065.	1.5	8
143	Earthquake shakes "Big Bend" Region of North America-Caribbean Boundary Zone. Eos, 2004, 85, 77.	0.1	7
144	Simulation of broad-band strong ground motion for a hypothetical Mw 7.1 earthquake on the Enriquillo Fault in Haiti. Geophysical Journal International, 2017, 211, 400-417.	1.0	6

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145	A Parametric Analysis of Fault Reactivation in the New Madrid Seismic Zone: The Role of Pore Fluid Overpressure. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10630-10648.	1.4	5
146	Ongoing tectonic subsidence in the Lesser Antilles subduction zone. <i>Geophysical Journal International</i> , 2022, 231, 319-326.	1.0	4
147	Automatic orbit quality control for near real-time GPS zenith tropospheric delay estimation. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 177-181.	0.6	3
148	REGAT: A permanent GPS network in Algeria, configuration and first results. <i>Heliyon</i> , 2019, 5, e01435.	1.4	3
149	A Data-Based Minimal Model of Episodic Inflation Events at Volcanoes. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	3
150	Regal: Réseau GPS permanent dans les Alpes occidentales. Configuration et premiers résultats. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 2000, 331, 435-442.	0.2	2
151	Geodetic Measurements of Crustal Deformation in the Western Mediterranean and Europe. , 2004, , 661-681.		2
152	Characteristics and possible origins of the seismicity in northwestern France. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 53-77.	0.4	2
153	Active Volcanism and Continental Rifting in Africa (AVCOR): Introduction to the Special Issue. <i>Journal of African Earth Sciences</i> , 2010, 58, v-viii.	0.9	0
154	<i>Geophysical Research Letters</i> : Celebrating 40 years of excellence. <i>Geophysical Research Letters</i> , 2014, 41, 2671-2672.	1.5	0
155	Active deformation within the Cul-de-Sac Plain on southern Haiti. , 2018, , .		0