Nathalie Cotte

List of Publications by Year
in descending order

34 papers	1,673 citations	304743 22 h-index	377865 34 g-index
36 all docs	36 docs citations	36 times ranked	1341 citing authors

#	Article	IF	Citations
1	Triggering of the 2014 Mw7.3 Papanoa earthquake by a slow slip event in Guerrero, Mexico. Nature Geoscience, 2016, 9, 829-833.	12.9	156
2	Slow slip events and strain accumulation in the Guerrero gap, Mexico. Journal of Geophysical Research, 2012, 117, .	3.3	146
3	An 8Âmonth slow slip event triggers progressive nucleation of the 2014 Chile megathrust. Geophysical Research Letters, 2017, 44, 4046-4053.	4.0	145
4	Spatial and temporal evolution of a long term slow slip event: the 2006 Guerrero Slow Slip Event. Geophysical Journal International, 2011, 184, 816-828.	2.4	103
5	The 2006 slow slip event and nonvolcanic tremor in the Mexican subduction zone. Geophysical Research Letters, 2010, 37, .	4.0	88
6	Uncovering the geodetic signature of silent slip through repeating earthquakes. Geophysical Research Letters, 2015, 42, 2774-2779.	4.0	86
7	Slow slip events in Mexico revised from the processing of 11 year GPS observations. Journal of Geophysical Research, 2010, 115, .	3.3	79
8	Triggering of tremors and slow slip event in Guerrero, Mexico, by the 2010 Mw 8.8 Maule, Chile, earthquake. Journal of Geophysical Research, 2012, 117, .	3.3	77
9	Sharp contrast in lithospheric structure across the Sorgenfreiâ€“Tornquist Zone as inferred by Rayleigh wave analysis of TOR1 project data. Tectonophysics, 2002, 360, 75-88.	2.2	74
10	Distribution of the right-lateral strikeâ€“slip motion from the Main Recent Fault to the Kazerun Fault System (Zagros, Iran): Evidence from present-day GPS velocities. Earth and Planetary Science Letters, 2008, 275, 342-347.	4.4	70
11	Determination of the crustal structure in southern Tibet by dispersion and amplitude analysis of Rayleigh waves. Geophysical Journal International, 1999, 138, 809-819.	2.4	57
12	GPS constraints on the 2011-2012 Oaxaca slow slip event that preceded the 2012 March 20 Ometepec earthquake, southern Mexico. Geophysical Journal International, 2014, 197, 1593-1607.	2.4	56
13	Slow slip event in the Mexican subduction zone: Evidence of shallower slip in the Guerrero seismic gap for the 2006 event revealed by the joint inversion of InSAR and GPS data. Earth and Planetary Science Letters, 2013, 367, 52-60.	4.4	53
14	A geodetic matched filter search for slow slip with application to the Mexico subduction zone. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,498.	3.4	47
15	Slow Slip History for the MEXICO Subduction Zone: 2005 Through 2011. Pure and Applied Geophysics, 2016, 173, 3445-3465.	1.9	46
16	Off-great-circle propagation of intermediate-period surface waves observed on a dense array in the French Alps. Geophysical Journal International, 2000, 142, 825-840.	2.4	43
17	Finding the buried record of past earthquakes with GPR-based palaeoseismology: a case study on the Hope fault, New Zealand. Geophysical Journal International, 2012, 189, 73-100.	2.4	35
18	Postseismic relocking of the subduction megathrust following the 2007 Pisco, Peru, earthquake. Journal of Geophysical Research: Solid Earth, 2016, 121, 3978-3995.	3.4	35

#	Article	IF	Citations
19	Seismic velocity changes, strain rate and non-volcanic tremors during the 2009â€“2010 slow slip event in Guerrero, Mexico. Geophysical Journal International, 2014, 196, 447-460.	2.4	31
20	Independent Component Analysis and Parametric Approach for Source Separation in InSAR Time Series at Regional Scale: Application to the 2017â€“2018 Slow Slip Event in Guerrero (Mexico). Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018187.	3.4	31
21	Measuring surface wave phase velocities beneath small broad-band arrays: tests of an improved algorithm and application to the French Alps. Geophysical Journal International, 2003, 154, 903-912.	2.4	25
22	GPS constraints on the Mw = 7.5 Ometepec earthquake sequence, southern Mexico: coseismic and post-seismic deformation. Geophysical Journal International, 2014, 199, 200-218.	2.4	23
23	Postseismic deformation following the April 25, 2015 Gorkha earthquake (Nepal): Afterslip versus viscous relaxation. Journal of Asian Earth Sciences, 2019, 176, 105-119.	2.3	22
24	Two successive slow slip events evidenced in 2009â€“2010 by a dense GPS network in Guerrero, Mexico. Geophysical Research Letters, 2011, 38, .	4.0	21
25	Coherence between geodetic and seismic deformation in a context of slow tectonic activity (SW Alps,) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	21
26	Lateral Variations of Interplate Coupling along the Mexican Subduction Interface: Relationships with Long-Term Morphology and Fault Zone Mechanical Properties. Pure and Applied Geophysics, 2016, 173, 3467-3486.	1.9	20
27	Kinematic study of Iquique 2014 M 8.1 earthquake: Understanding the segmentation of the seismogenic zone. Earth and Planetary Science Letters, 2018, 503, 131-143.	4.4	19
28	GPS deformation related to the <i>M_w</i>Â7.3, 2014, Papanoa earthquake (Mexico) reveals the aseismic behavior of the Guerrero seismic gap. Geophysical Research Letters, 2017, 44, 6039-6047.	4.0	17
29	Revisiting Slow Slip Events Occurrence in Boso Peninsula, Japan, Combining GPS Data and Repeating Earthquakes Analysis. Journal of Geophysical Research: Solid Earth, 2018, 123, 1502-1515.	3.4	13
30	Interseismic coupling along the Mexican subduction zone seen by InSAR and GNSS. Earth and Planetary Science Letters, 2022, 586, 117534.	4.4	9
31	Testing group velocity maps for Eurasia. Geophysical Journal International, 2002, 150, 639-650.	2.4	8
32	Fourteenâ€Year Acceleration Along the Japan Trench. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021226.	3.4	6
33	Transient Brittle Creep Mechanism Explains Early Postseismic Phase of the 2011 Tohokuâ€Oki Megathrust Earthquake: Observations by Highâ€Rate GPS Solutions. Journal of Geophysical Research: Solid Earth, 2022, 127, .	3.4	6
34	Surface wave waveform anomalies at the Saudi Seismic Network. Geophysical Research Letters, 2001, 28, 4383-4386.	4.0	5