Anne Deschamps

List of Publications by Year
in descending order

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106 papers	4,532 citations	81743 39 h-index	110170 64 g-index
107 all docs	107 docs citations	107 times ranked	4025 citing authors

#	Article	IF	Citations
1	The 1997 Umbria-Marche, Italy, Earthquake Sequence: A first look at the main shocks and aftershocks. Geophysical Research Letters, 1998, 25, 2861-2864.	1.5	280
2	A microseismic study in the western part of the Gulf of Corinth (Greece): implications for large-scale normal faulting mechanisms. Geophysical Journal International, 1996, 126, 663-688.	1.0	254
3	Active deformation of the Corinth rift, Greece: Results from repeated Global Positioning System surveys between 1990 and 1995. Journal of Geophysical Research, 2000, 105, 25605-25625.	3.3	252
4	Title is missing!. Journal of Seismology, 1997, 1, 131-150.	0.6	205
5	Strain accommodation by slow slip and dyking in a youthful continental rift, East Africa. Nature, 2008, 456, 783-787.	13.7	200
6	Seismicity, deformation and seismic hazard in the western rift of Corinth: New insights from the Corinth Rift Laboratory (CRL). Tectonophysics, 2006, 426, 7-30.	0.9	134
7	The evolution of the Gulf of Corinth (Greece): an aftershock study of the 1981 earthquakes. Geophysical Journal International, 1985, 80, 677-693.	1.0	133
8	Seismic study of the crust of the northern Red Sea and Gulf of Suez. Tectonophysics, 1988, 153, 55-88.	0.9	117
9	Transmission of light in deep sea water at the site of the Antares neutrino telescope. Astroparticle Physics, 2005, 23, 131-155.	1.9	101
10	High-frequency seismo-electromagnetic effects. Physics of the Earth and Planetary Interiors, 1993, 77, 65-83.	0.7	100
11	Seismotectonics of the El Asnam earthquake. Nature, 1981, 292, 26-31.	13.7	99
12	Time calibration of the ANTARES neutrino telescope. Astroparticle Physics, 2011, 34, 539-549.	1.9	85
13	Complex Normal Faulting in the Apennines Thrust-and-Fold Belt: The 1997 Seismic Sequence in Central Italy. Bulletin of the Seismological Society of America, 2004, 94, 99-116.	1.1	84
14	SI-Hex: a new catalogue of instrumental seismicity for metropolitan France. Bulletin - Societie Geologique De France, 2015, 186, 3-19.	0.9	77
15	Rupture history and seismotectonics of the 1991 Uttarkashi, Himalaya earthquake. Tectonophysics, 1996, 258, 35-51.	0.9	76
16	First results of the CRLN seismic network in the western Corinth Rift: evidence for old-fault reactivation. Comptes Rendus - Geoscience, 2004, 336, 343-351.	0.4	71
17	Study of large hemispherical photomultiplier tubes for the ANTARES neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 132-141.	0.7	71
18	Aseismic Motions Drive a Sparse Seismicity During Fluid Injections Into a Fractured Zone in a Carbonate Reservoir. Journal of Geophysical Research: Solid Earth, 2017, 122, 8285-8304.	1.4	67

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19	The NetLander very broad band seismometer. Planetary and Space Science, 2000, 48, 1289-1302.	0.9	61
20	Imbricated Aseismic Slip and Fluid Diffusion Drive a Seismic Swarm in the Corinth Gulf, Greece. Geophysical Research Letters, 2020, 47, e2020GL087142.	1.5	59
21	Thrust and extensional faulting under the Chilean coast: 1965, 1971 Aconcagua earthquakes. Geophysical Journal International, 1981, 66, 313-331.	1.0	58
22	AMADEUSâ€"The acoustic neutrino detection test system of the ANTARES deep-sea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, 128-143.	0.7	58
23	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLoS ONE, 2013, 8, e67523.	1.1	58
24	Contrasted seismogenic and rheological behaviours from shallow and deep earthquake sequences in the North Tanzanian Divergence, East Africa. Journal of African Earth Sciences, 2010, 58, 799-811.	0.9	57
25	The Campania-Lucania (southern Italy) earthquake of 23 November 1980. Earth and Planetary Science Letters, 1983, 62, 296-304.	1.8	55
26	Microseismicity and focal mechanisms at the western termination of the North Anatolian Fault and their implications for continental tectonics. Geophysical Journal International, 1999, 137, 891-908.	1.0	55
27	Asthenospheric imprints on the lithosphere in Central Mongolia and Southern Siberia from a joint inversion of gravity and seismology (MOBAL experiment). Geophysical Journal International, 2008, 175, 1283-1297.	1.0	55
28	Spatio-temporal distribution of seismic activity during the Umbria-Marche crisis, 1997. Journal of Seismology, 2000, 4, 377-386.	0.6	51
29	Reassessment of the rifting process in the Western Corinth Rift from relocated seismicity. Geophysical Journal International, 2014, 197, 1822-1844.	1.0	51
30	Upper mantle flow beneath and around the Hangay dome, Central Mongolia. Earth and Planetary Science Letters, 2008, 274, 221-233.	1.8	50
31	Teleseismic tomography of the Campanian volcanic area and surrounding Apenninic belt. Journal of Volcanology and Geothermal Research, 2001, 109, 55-75.	0.8	49
32	The 2010 Haiti earthquake: A complex fault pattern constrained by seismologic and tectonic observations. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	49
33	A Two-Stage Method for Ground-Motion Simulation Using Stochastic Summation of Small Earthquakes. Bulletin of the Seismological Society of America, 2005, 95, 1387-1400.	1.1	46
34	The 2013 earthquake swarm in Helike, Greece: seismic activity at the root of old normal faults. Geophysical Journal International, 2015, 202, 2044-2073.	1.0	45
35	Mapping upper mantle anisotropy beneath SE France by SKS splitting indicates Neogene asthenospheric flow induced by Apenninic slab roll-back and deflected by the deep Alpine roots. Tectonophysics, 2004, 394, 125-138.	0.9	43
36	Search for relativistic magnetic monopoles with the ANTARES neutrino telescope. Astroparticle Physics, 2012, 35, 634-640.	1.9	43

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37	Crustal Structure and Fault Geometry of the 2010 Haiti Earthquake from Temporary Seismometer Deployments. Bulletin of the Seismological Society of America, 2013, 103, 2305-2325.	1.1	43
38	Seismic hazard on the French Riviera: observations, interpretations and simulations. Geophysical Journal International, 2007, 170, 387-400.	1.0	42
39	The rupture process of the Armenian earthquake from broad-band teleseismic body wave records. Geophysical Journal International, 1992, 109, 151-161.	1.0	39
40	The ANTARES telescope neutrino alert system. Astroparticle Physics, 2012, 35, 530-536.	1.9	39
41	Deep crustal earthquakes in North Tanzania, East Africa: Interplay between tectonic and magmatic processes in an incipient rift. Geochemistry, Geophysics, Geosystems, 2014, 15, 374-394.	1.0	39
42	Optimization of small satellite constellation design for continuous mutual regional coverage with multi-objective genetic algorithm. International Journal of Computational Intelligence Systems, 2016, 9, 627.	1.6	38
43	Dynamics of microseismicity and its relationship with the active structures in the western Corinth Rift (Greece). Geophysical Journal International, 2018, 215, 196-221.	1.0	38
44	Velocity structure of the lithosphere on the 2003 Mongolian-Baikal transect from SV waves. Izvestiya, Physics of the Solid Earth, 2007, 43, 119-129.	0.2	37
45	A New Passive Tomography of the Aigion Area (Gulf of Corinth, Greece) from the 2002 Data Set. Pure and Applied Geophysics, 2006, 163, 431-453.	0.8	36
46	Source investigation of a small event using empirical Green's functions and simulated annealing. Geophysical Journal International, 1996, 125, 768-780.	1.0	34
47	Faulting process of the 1990 June 20 Iran earthquake from broadband records. Geophysical Journal International, 1994, 118, 31-46.	1.0	33
48	FluidâEInduced Swarms and Coseismic Stress Transfer: A Dual Process Highlighted in the Aftershock Sequence of the 7 April 2014 Earthquake (Ml 4.8, Ubaye, France). Journal of Geophysical Research: Solid Earth, 2019, 124, 3918-3932.	1.4	33
49	Imaging the GalÃ¡pagos mantle plume with an unconventional application of floating seismometers. Scientific Reports, 2019, 9, 1326.	1.6	33
50	On the weak impact of the 26 December Indian Ocean tsunami on the Bangladesh coast. Natural Hazards and Earth System Sciences, 2007, 7, 141-147.	1.5	31
51	A detailed analysis of microearthquakes in western Crete from digital three-component seismograms. Geophysical Journal International, 1992, 110, 347-360.	1.0	28
52	Eurasia-Africa plate boundary region yields new seismographic data. Eos, 2001, 82, 637-637.	0.1	28
53	Teleseismic traveltimes, topography and the lithospheric structure across central Mongolia. Geophysical Research Letters, 2008, 35, .	1.5	27
54	Source study and tectonic implications of the 1995 Ventimiglia (border of Italy and France) earthquake (ML=4.7). Tectonophysics, 1998, 290, 245-257.	0.9	25

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55	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.	1.0	25
56	New constraints from seismology and geodesy on the Mw = 6.4 2008 Movri (Greece) earthquake: evidence for a growing strike-slip fault system. Geophysical Journal International, 2014, 198, 1373-1386.	1.0	24
57	Mean magnitude variations of earthquakes as a function of depth: Different crustal stress distribution depending on tectonic setting. Geophysical Research Letters, 2008, 35, .	1.5	23
58	Focal mechanisms of earthquake multiplets in the western part of the Corinth Rift (Greece): influence of the velocity model and constraints on the geometry of the active faults. Geophysical Journal International, 2014, 197, 1660-1680.	1.0	23
59	Inversion of the attenuation data of free oscillations of the Earth (fundamental and first higher) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	22
60	Rapid response to the M<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /> <mml:mi mathvariant="normal">w</mml:mi> </mml:msub></mml:math> 4.9 earthquake of November 11, 2019 in Le Teil, Lower RhÃ´ne Valley, France. Comptes Rendus - Geoscience, 2021, 353, 441-463.	0.4	18
61	The Western Gulf of Corinth (Greece) 2020â€“2021 Seismic Crisis and Cascading Events: First Results from the Corinth Rift Laboratory Network. The Seismic Record, 2021, 1, 85-95.	1.3	18
62	A dense array experiment for the observation of waveform perturbations. Soil Dynamics and Earthquake Engineering, 1998, 17, 475-484.	1.9	17
63	Automatic discrimination of underwater acoustic signals generated by teleseismic P-waves: A probabilistic approach. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	17
64	The Octoberâ€“November 2010 earthquake swarm near Sampeyre (Piedmont region, Italy): A complex multicluster sequence. Tectonophysics, 2013, 608, 97-111.	0.9	17
65	Lithospheric structure of the southern French Alps inferred from broadband analysis. Physics of the Earth and Planetary Interiors, 2000, 122, 79-102.	0.7	16
66	The GROSMarin experiment: three dimensional crustal structure of the North Ligurian margin from refraction tomography and preliminary analysis of microseismic measurements. Bulletin - Societie Geologique De France, 2011, 182, 305-321.	0.9	16
67	Soil-structure interaction analysis using a 1DT-3C wave propagation model. Soil Dynamics and Earthquake Engineering, 2019, 120, 200-213.	1.9	16
68	Title is missing!. Journal of Seismology, 2000, 4, 525-541.	0.6	15
69	Focal Mechanisms from Sparse Observations by Nonlinear Inversion of Amplitudes: Method and Tests on Synthetic and Real Data. Bulletin of the Seismological Society of America, 2009, 99, 2243-2264.	1.1	15
70	Interpretation of Broadband Ocean-Bottom Seismometer Horizontal Data Seismic Background Noise. Bulletin of the Seismological Society of America, 2009, 99, 1333-1342.	1.1	14
71	Site Effects in Portâ€auâ€Prince (Haiti) from the Analysis of Spectral Ratio and Numerical Simulations. Bulletin of the Seismological Society of America, 2016, 106, 1298-1315.	1.1	14
72	A Socio-Seismology Experiment in Haiti. Frontiers in Earth Science, 2020, 8, .	0.8	13

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73	The Romanian earthquake of August 30, 1986: A study based on GEOSCOPE very long-period and broadband data. Pure and Applied Geophysics, 1990, 133, 367-379.	0.8	12
74	The deep structure of Corsica as inferred by a broad band seismological profile. Geophysical Research Letters, 1999, 26, 2661-2664.	1.5	12
75	An unknown active fault revealed by microseismicity in the south-east of France. Geophysical Research Letters, 2003, 30, .	1.5	12
76	Exploration of remote triggering: A survey of multiple fault structures in Haiti. Earth and Planetary Science Letters, 2016, 455, 14-24.	1.8	12
77	Shear wave splitting in the Alpine region. Geophysical Journal International, 2021, 227, 1996-2015.	1.0	12
78	3â€Ð velocity structure in southern Haiti from local earthquake tomography. Journal of Geophysical Research: Solid Earth, 2016, 121, 8813-8832.	1.4	11
79	The sequence of moderate-size earthquakes at the junction of the Ligurian basin and the Corsica margin (western Mediterranean): The initiation of an active deformation zone revealed?. Tectonophysics, 2016, 676, 135-147.	0.9	11
80	High resolution ambient noise tomography of the Southwestern Alps and the Ligurian margin. Geophysical Journal International, 2020, 220, 806-820.	1.0	11
81	Seismotectonics of southeast France: from the Jura mountains to Corsica. Comptes Rendus - Geoscience, 2021, 353, 105-151.	0.4	11
82	Coseismic velocity variations caused by static stress changes associated with the 2001 M_w = 4.3 Agios Ioanis earthquake in the Gulf of Corinth, Greece. Journal of Geophysical Research, 2010, 115, .	3.3	10
83	Pâ€Ðelays from Floating Seismometers (MERMAID), Part I: Data Processing. Seismological Research Letters, 2016, 87, 73-80.	0.8	10
84	Strong Site Effect Revealed by a New Broadband Seismometer on the Continental Shelf Offshore Nice Airport (Southeastern France). Pure and Applied Geophysics, 2020, 177, 3205-3224.	0.8	10
85	Crustal structure deduced from receiver functions via single-scattering migration. Geophysical Journal International, 2002, 150, 524-541.	1.0	8
86	Assessment of focal mechanisms of microseismic events computed from two threeâ€component receivers: application to the Arkemaâ€Vauvert field (France). Geophysical Prospecting, 2010, 58, 775-790.	1.0	8
87	Constraining the point source parameters of the 11 November 2019 Mw 4.9 Le Teil earthquake using multiple relocation approaches, first motion and full waveform inversions. Comptes Rendus - Geoscience, 2021, 353, 493-516.	0.4	8
88	Ambient noise tomography of the western Corinth Rift, Greece. Geophysical Journal International, 2017, 211, 284-299.	1.0	7
89	Joint multidisciplinary study of the Saint-Sauveurâ€“Donareo fault (lower Var valley, French Riviera): a contribution to seismic hazard assessment in the urban area of Nice. Bulletin - Societie Geologique De France, 2011, 182, 323-336.	0.9	6
90	Spatial and temporal evolution of a microseismic swarm induced by water injection in the Arkema-Vauvert salt field (southern France). Geophysical Journal International, 2012, 188, 274-292.	1.0	6

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91	Investigating Dynamic Triggering of Seismicity by Regional Earthquakes: The Case of the Corinth Rift (Greece). Geophysical Research Letters, 2017, 44, 10,921.	1.5	6
92	Monitoring Haitiâ€™s Quakes with Raspberry Shake. Eos, 2019, 100, .	0.1	6
93	Assessment of Risks Induced by Countermining Unexploded Large-Charge Historical Ordnance in a Shallow Water Environmentâ€”Part I: Real Case Study. IEEE Journal of Oceanic Engineering, 2022, 47, 350-373.	2.1	6
94	Azimuthal distortion of the seismic focal sphere: application to earthquakes in subduction. Physics of the Earth and Planetary Interiors, 1994, 84, 247-270.	0.7	5
95	The earthquake sequence of November 1987 and March 1988 in the Gulf of Alaska: A new insight. Geophysical Research Letters, 1995, 22, 1029-1032.	1.5	5
96	Numerical and Empirical Simulation of Linear Elastic Seismic Response of a Building: The Case of Nice Prefecture. Earthquake Spectra, 2018, 34, 169-196.	1.6	5
97	Preparing for InSight: Evaluation of the Blind Test for Martian Seismicity. Seismological Research Letters, 0, , .	0.8	5
98	Seismic wave attenuation in the lithosphere of the North Tanzanian divergence zone (East African rift) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.3	4
99	A P-wave velocity model of the upper crust of the Sannio region (Southern Apennines, Italy). Annals of Geophysics, 1998, 41, .	0.5	4
100	Assessment of Risks Induced by Countermining Unexploded Large-Charge Historical Ordnance in a Shallow Water Environmentâ€”Part II: Modeling of Seismo-Acoustic Wave Propagation. IEEE Journal of Oceanic Engineering, 2022, 47, 374-398.	2.1	4
101	Circular Sedimentary Figures of Anthropic Origin in a Sediment Stability Context. Journal of Coastal Research, 2018, 85, 411-415.	0.1	3
102	Rupture characterization of a low magnitude earthquake of central Apennines (Italy). Physics of the Earth and Planetary Interiors, 1994, 82, 157-165.	0.7	2
103	Advantages and detriments of 1-Directional 3-Component wave propagation approach for Soil-Structure Interaction modeling. Procedia Engineering, 2017, 199, 2426-2432.	1.2	2
104	Les enseignements du petit sÃ©isme de Peille (Alpes-Maritimes, France). Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2001, 333, 105-112.	0.2	1
105	A real time seismological station at 2500 m depth in front Toulon. , 2008, , .		1
106	Seismo-acoustic wave propagation in the Rade of HyÃ¨res (France) generated by counter-mining of explosive devices: comparison between numerical simulations and real experiments. , 2019, , .		0