

Anne Deschamps

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

3,599
citations

34
h-index

57
g-index

107
ext. papers

3,933
ext. citations

3.6
avg, IF

4.54
L-index

#	Paper	IF	Citations
105	A microseismic study in the western part of the Gulf of Corinth (Greece): implications for large-scale normal faulting mechanisms. <i>Geophysical Journal International</i> , 1996 , 126, 663-688	2.6	220
104	Active deformation of the Corinth rift, Greece: Results from repeated Global Positioning System surveys between 1990 and 1995. <i>Journal of Geophysical Research</i> , 2000 , 105, 25605-25625		211
103	The 1997 Umbria-Marche, Italy, Earthquake Sequence: A first look at the main shocks and aftershocks. <i>Geophysical Research Letters</i> , 1998 , 25, 2861-2864	4.9	197
102	The Ms = 6.2, June 15, 1995 Aigion earthquake (Greece): evidence for low angle normal faulting in the Corinth rift. <i>Journal of Seismology</i> , 1997 , 1, 131-150	1.5	185
101	Strain accommodation by slow slip and dyking in a youthful continental rift, East Africa. <i>Nature</i> , 2008 , 456, 783-7	50.4	156
100	The evolution of the Gulf of Corinth (Greece): an aftershock study of the 1981 earthquakes. <i>Geophysical Journal International</i> , 1985 , 80, 677-693	2.6	112
99	Seismicity, deformation and seismic hazard in the western rift of Corinth: New insights from the Corinth Rift Laboratory (CRL). <i>Tectonophysics</i> , 2006 , 426, 7-30	3.1	110
98	Seismic study of the crust of the northern Red Sea and Gulf of Suez. <i>Tectonophysics</i> , 1988 , 153, 55-88	3.1	100
97	High-frequency seismo-electromagnetic effects. <i>Physics of the Earth and Planetary Interiors</i> , 1993 , 77, 65-83	2.3	80
96	Seismotectonics of the El Asnam earthquake. <i>Nature</i> , 1981 , 292, 26-31	50.4	80
95	Transmission of light in deep sea water at the site of the Antares neutrino telescope. <i>Astroparticle Physics</i> , 2005 , 23, 131-155	2.4	79
94	Time calibration of the ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2011 , 34, 539-549	2.4	67
93	Complex Normal Faulting in the Apennines Thrust-and-Fold Belt: The 1997 Seismic Sequence in Central Italy. <i>Bulletin of the Seismological Society of America</i> , 2004 , 94, 99-116	2.3	65
92	Rupture history and seismotectonics of the 1991 Uttarkashi, Himalaya earthquake. <i>Tectonophysics</i> , 1996 , 258, 35-51	3.1	65
91	First results of the CRLN seismic network in the western Corinth Rift: evidence for old-fault reactivation. <i>Comptes Rendus - Geoscience</i> , 2004 , 336, 343-351	1.4	62
90	SI-Hex: a new catalogue of instrumental seismicity for metropolitan France. <i>Bulletin - Societe Geologique De France</i> , 2015 , 186, 3-19	2.3	61
89	Study of large hemispherical photomultiplier tubes for the ANTARES neutrino telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 555, 132-141	1.2	61

88	The NetLander very broad band seismometer. <i>Planetary and Space Science</i> , 2000 , 48, 1289-1302	2	58
87	Aseismic Motions Drive a Sparse Seismicity During Fluid Injections Into a Fractured Zone in a Carbonate Reservoir. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 8285-8304	3.6	52
86	The Campania-Lucania (southern Italy) earthquake of 23 November 1980. <i>Earth and Planetary Science Letters</i> , 1983 , 62, 296-304	5.3	52
85	Thrust and extensional faulting under the Chilean coast: 1965, 1971 Aconcagua earthquakes. <i>Geophysical Journal International</i> , 1981 , 66, 313-331	2.6	52
84	AMADEUS—the acoustic neutrino detection test system of the ANTARES deep-sea neutrino telescope. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 626-627, 128-143	1.2	50
83	Contrasted seismogenic and rheological behaviours from shallow and deep earthquake sequences in the North Tanzanian Divergence, East Africa. <i>Journal of African Earth Sciences</i> , 2010 , 58, 799-811	2.2	49
82	Asthenospheric imprints on the lithosphere in Central Mongolia and Southern Siberia from a joint inversion of gravity and seismology (MOBAL experiment). <i>Geophysical Journal International</i> , 2008 , 175, 1283-1297	2.6	48
81	Deep-sea bioluminescence blooms after dense water formation at the ocean surface. <i>PLoS ONE</i> , 2013 , 8, e67523	3.7	46
80	Microseismicity and focal mechanisms at the western termination of the North Anatolian Fault and their implications for continental tectonics. <i>Geophysical Journal International</i> , 1999 , 137, 891-908	2.6	45
79	Reassessment of the rifting process in the Western Corinth Rift from relocated seismicity. <i>Geophysical Journal International</i> , 2014 , 197, 1822-1844	2.6	42
78	Upper mantle flow beneath and around the Hangay dome, Central Mongolia. <i>Earth and Planetary Science Letters</i> , 2008 , 274, 221-233	5.3	42
77	Seismic hazard on the French Riviera: observations, interpretations and simulations. <i>Geophysical Journal International</i> , 2007 , 170, 387-400	2.6	41
76	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. <i>Tectonophysics</i> , 2004 , 394, 125-138	3.1	41
75	Teleseismic tomography of the Campanian volcanic area and surrounding Apenninic belt. <i>Journal of Volcanology and Geothermal Research</i> , 2001 , 109, 55-75	2.8	41
74	Search for relativistic magnetic monopoles with the ANTARES neutrino telescope. <i>Astroparticle Physics</i> , 2012 , 35, 634-640	2.4	38
73	The 2013 earthquake swarm in Helike, Greece: seismic activity at the root of old normal faults. <i>Geophysical Journal International</i> , 2015 , 202, 2044-2073	2.6	36
72	The ANTARES telescope neutrino alert system. <i>Astroparticle Physics</i> , 2012 , 35, 530-536	2.4	35
71	Deep crustal earthquakes in North Tanzania, East Africa: Interplay between tectonic and magmatic processes in an incipient rift. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 374-394	3.6	34

70	The 2010 Haiti earthquake: A complex fault pattern constrained by seismologic and tectonic observations. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	33
69	Velocity structure of the lithosphere on the 2003 Mongolian-Baikal transect from SV waves. <i>Izvestiya, Physics of the Solid Earth</i> , 2007 , 43, 119-129	1	32
68	A New Passive Tomography of the Aigion Area (Gulf of Corinth, Greece) from the 2002 Data Set. <i>Pure and Applied Geophysics</i> , 2006 , 163, 431-453	2.2	31
67	Source investigation of a small event using empirical Green's functions and simulated annealing. <i>Geophysical Journal International</i> , 1996 , 125, 768-780	2.6	31
66	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	2.3	29
65	A Two-Stage Method for Ground-Motion Simulation Using Stochastic Summation of Small Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2005 , 95, 1387-1400	2.3	29
64	Spatio-temporal distribution of seismic activity during the Umbria-Marche crisis, 1997. <i>Journal of Seismology</i> , 2000 , 4, 377-386	1.5	29
63	Faulting process of the 1990 June 20 Iran earthquake from broadband records. <i>Geophysical Journal International</i> , 1994 , 118, 31-46	2.6	29
62	Eurasia-Africa Plate Boundary region yields new seismographic data. <i>Eos</i> , 2001 , 82, 637-637	1.5	27
61	The rupture process of the Armenian earthquake from broad-band teleseismic body wave records. <i>Geophysical Journal International</i> , 1992 , 109, 151-161	2.6	27
60	Optimization of small satellite constellation design for continuous mutual regional coverage with multi-objective genetic algorithm. <i>International Journal of Computational Intelligence Systems</i> , 2016 , 9, 627-637	3.4	25
59	On the weak impact of the 26 December Indian Ocean tsunami on the Bangladesh coast. <i>Natural Hazards and Earth System Sciences</i> , 2007 , 7, 141-147	3.9	25
58	A detailed analysis of microearthquakes in western Crete from digital three-component seismograms. <i>Geophysical Journal International</i> , 1992 , 110, 347-360	2.6	25
57	Measuring surface wave phase velocities beneath small broad-band arrays: tests of an improved algorithm and application to the French Alps. <i>Geophysical Journal International</i> , 2003 , 154, 903-912	2.6	23
56	Dynamics of microseismicity and its relationship with the active structures in the western Corinth Rift (Greece). <i>Geophysical Journal International</i> , 2018 , 215, 196-221	2.6	23
55	Teleseismic traveltimes, topography and the lithospheric structure across central Mongolia. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	22
54	Imaging the Galapagos mantle plume with an unconventional application of floating seismometers. <i>Scientific Reports</i> , 2019 , 9, 1326	4.9	21
53	Imbricated Aseismic Slip and Fluid Diffusion Drive a Seismic Swarm in the Corinth Gulf, Greece. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087142	4.9	21

52	New constraints from seismology and geodesy on the Mw = 6.4 2008 Movri (Greece) earthquake: evidence for a growing strike-slip fault system. <i>Geophysical Journal International</i> , 2014 , 198, 1373-1386	2.6	21
51	Inversion of the attenuation data of free oscillations of the Earth (fundamental and first higher modes). <i>Geophysical Journal International</i> , 1977 , 50, 699-722	2.6	21
50	Mean magnitude variations of earthquakes as a function of depth: Different crustal stress distribution depending on tectonic setting. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	20
49	Fluid-Induced Swarms and Coseismic Stress Transfer: A Dual Process Highlighted in the Aftershock Sequence of the 7 April 2014 Earthquake (Ml 4.8, Ubaye, France). <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 3918-3932	3.6	19
48	Source study and tectonic implications of the 1995 Ventimiglia (border of Italy and France) earthquake (ML=4.7). <i>Tectonophysics</i> , 1998 , 290, 245-257	3.1	19
47	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. <i>Geophysical Journal International</i> , 2014 , 197, 1660-1680	2.6	18
46	The GROSMarin experiment: three dimensional crustal structure of the North Ligurian margin from refraction tomography and preliminary analysis of microseismic measurements. <i>Bulletin - Societe Geologique De France</i> , 2011 , 182, 305-321	2.3	16
45	Lithospheric structure of the southern French Alps inferred from broadband analysis. <i>Physics of the Earth and Planetary Interiors</i> , 2000 , 122, 79-102	2.3	14
44	The October-November 2010 earthquake swarm near Sampeyre (Piedmont region, Italy): A complex multicluster sequence. <i>Tectonophysics</i> , 2013 , 608, 97-111	3.1	13
43	A dense array experiment for the observation of waveform perturbations. <i>Soil Dynamics and Earthquake Engineering</i> , 1998 , 17, 475-484	3.5	13
42	Site Effects in Port-au-Prince (Haiti) from the Analysis of Spectral Ratio and Numerical Simulations. <i>Bulletin of the Seismological Society of America</i> , 2016 , 106, 1298-1315	2.3	13
41	Focal Mechanisms from Sparse Observations by Nonlinear Inversion of Amplitudes: Method and Tests on Synthetic and Real Data. <i>Bulletin of the Seismological Society of America</i> , 2009 , 99, 2243-2264	2.3	12
40	An unknown active fault revealed by microseismicity in the south-east of France. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	12
39	The deep structure of Corsica as inferred by a broad band seismological profile. <i>Geophysical Research Letters</i> , 1999 , 26, 2661-2664	4.9	12
38	The Romanian earthquake of August 30, 1986: A study based on GEOSCOPE very long-period and broadband data. <i>Pure and Applied Geophysics</i> , 1990 , 133, 367-379	2.2	11
37	Rapid response to the M w 4.9 earthquake of November 11, 2019 in Le Teil, Lower Rh�ne Valley, France. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 1-23	1.4	11
36	Automatic discrimination of underwater acoustic signals generated by teleseismic P-waves: A probabilistic approach. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	10
35	Coseismic velocity variations caused by static stress changes associated with the 2001 Mw = 4.3 Agios Ioanis earthquake in the Gulf of Corinth, Greece. <i>Journal of Geophysical Research</i> , 2010 , 115,		9

34	Interpretation of Broadband Ocean-Bottom Seismometer Horizontal Data Seismic Background Noise. <i>Bulletin of the Seismological Society of America</i> , 2009 , 99, 1333-1342	2.3	8
33	Crustal structure deduced from receiver functions via single-scattering migration. <i>Geophysical Journal International</i> , 2002 , 150, 524-541	2.6	8
32	A site effect study in the Verchiano valley during the 1997 Umbria-Marche (Central Italy) earthquakes. <i>Journal of Seismology</i> , 2000 , 4, 525-541	1.5	8
31	Soil-structure interaction analysis using a 1DT-3C wave propagation model. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 120, 200-213	3.5	8
30	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?. <i>Tectonophysics</i> , 2016 , 676, 135-147	3.1	7
29	The Western Gulf of Corinth (Greece) 2020-2021 Seismic Crisis and Cascading Events: First Results from the Corinth Rift Laboratory Network. <i>The Seismic Record</i> , 2021 , 1, 85-95		7
28	Exploration of remote triggering: A survey of multiple fault structures in Haiti. <i>Earth and Planetary Science Letters</i> , 2016 , 455, 14-24	5.3	7
27	Strong Site Effect Revealed by a New Broadband Seismometer on the Continental Shelf Offshore Nice Airport (Southeastern France). <i>Pure and Applied Geophysics</i> , 2020 , 177, 3205-3224	2.2	6
26	P-Delays from Floating Seismometers (MERMAID), Part I: Data Processing. <i>Seismological Research Letters</i> , 2016 , 87, 73-80	3	6
25	Assessment of focal mechanisms of microseismic events computed from two three-component receivers: application to the Arkema-Vauvert field (France). <i>Geophysical Prospecting</i> , 2010 , 58, 775-790	1.9	6
24	Joint multidisciplinary study of the Saint-Sauveur-Donareo fault (lower Var valley, French Riviera): a contribution to seismic hazard assessment in the urban area of Nice. <i>Bulletin - Societie Geologique De France</i> , 2011 , 182, 323-336	2.3	6
23	3-D velocity structure in southern Haiti from local earthquake tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 8813-8832	3.6	6
22	High resolution ambient noise tomography of the Southwestern Alps and the Ligurian margin. <i>Geophysical Journal International</i> , 2020 , 220, 806-820	2.6	6
21	Investigating Dynamic Triggering of Seismicity by Regional Earthquakes: The Case of the Corinth Rift (Greece). <i>Geophysical Research Letters</i> , 2017 , 44, 10,921	4.9	5
20	Spatial and temporal evolution of a microseismic swarm induced by water injection in the Arkema-Vauvert salt field (southern France). <i>Geophysical Journal International</i> , 2012 , 188, 274-292	2.6	5
19	The earthquake sequence of November 1987 and March 1988 in the Gulf of Alaska: A new insight. <i>Geophysical Research Letters</i> , 1995 , 22, 1029-1032	4.9	4
18	Azimuthal distortion of the seismic focal sphere: application to earthquakes in subduction. <i>Physics of the Earth and Planetary Interiors</i> , 1994 , 84, 247-270	2.3	4
17	A Socio-Seismology Experiment in Haiti. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	4

16	Seismotectonics of southeast France: from the Jura mountains to Corsica. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 1-47	1.4	4
15	Ambient noise tomography of the western Corinth Rift, Greece. <i>Geophysical Journal International</i> , 2017 , 211, 284-299	2.6	3
14	Shear wave splitting in the Alpine region. <i>Geophysical Journal International</i> , 2021 , 227, 1996-2015	2.6	3
13	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. <i>Comptes Rendus - Geoscience</i> , 2021 , 353, 1-24	1.4	3
12	Seismic wave attenuation in the lithosphere of the North Tanzanian divergence zone (East African rift system). <i>Russian Geology and Geophysics</i> , 2017 , 58, 253-265	1	2
11	Preparing for InSight: Evaluation of the Blind Test for Martian Seismicity. <i>Seismological Research Letters</i> , 2019 ,	3	2
10	Monitoring Haiti's Quakes with Raspberry Shake. <i>Eos</i> , 2019 , 100,	1.5	2
9	Advantages and detriments of 1-Directional 3-Component wave propagation approach for Soil-Structure Interaction modeling. <i>Procedia Engineering</i> , 2017 , 199, 2426-2432		1
8	A real time seismological station at 2500 m depth in front Toulon 2008 ,		1
7	Les enseignements du petit sisme de Peille (Alpes-Maritimes, France). <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> =, 2001 , 333, 105-112		1
6	Une expérience multi-antennes d'Annot pour l'analyse des effets de site en sismologie. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> =, 1999 , 329, 167-174		1
5	Assessment of Risks Induced by Countermining Unexploded Large-Charge Historical Ordnance in a Shallow Water Environment Part II: Modeling of Seismo-Acoustic Wave Propagation. <i>IEEE Journal of Oceanic Engineering</i> , 2021 , 1-25	3.3	1
4	Assessment of Risks Induced by Countermining Unexploded Large-Charge Historical Ordnance in a Shallow Water Environment Part I: Real Case Study. <i>IEEE Journal of Oceanic Engineering</i> , 2022 , 1-24	3.3	1
3	Numerical and Empirical Simulation of Linear Elastic Seismic Response of a Building: The Case of Nice Prefecture. <i>Earthquake Spectra</i> , 2018 , 34, 169-196	3.4	1
2	Circular Sedimentary Figures of Anthropic Origin in a Sediment Stability Context. <i>Journal of Coastal Research</i> , 2018 , 85, 411-415	0.6	1
1	Rupture characterization of a low magnitude earthquake of central Apennines (Italy). <i>Physics of the Earth and Planetary Interiors</i> , 1994 , 82, 157-165	2.3	