

Stephane Dominguez

List of Publications by Year in descending order

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3717
citing authors

#	ARTICLE	IF	CITATIONS
1	Present-day Surface Deformation of Sicily Derived From Sentinel-1 InSAR Time-Series. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	1
2	Deformation partitioning in mountain belts: insights from analogue modelling experiments and the Taiwan collisional orogen. Geological Magazine, 2021, 158, 84-103.	0.9	18
3	Validation of a Multilayered Analog Model Integrating Crust-Mantle Visco-Elastic Coupling to Investigate Subduction Megathrust Earthquake Cycle. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020342.	1.4	5
4	Tectonic Inversion and Geomorphic Evolution of the Algerian Margin Since Messinian Times: Insights From New Onshore/Offshore Analog Modeling Experiments. Tectonics, 2021, 40, e2020TC006369.	1.3	10
5	Automatic Fault Mapping in Remote Optical Images and Topographic Data With Deep Learning. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021269.	1.4	11
6	Morphotectonic Evolution of an Alluvial Fan: Results of a Joint Analog and Numerical Modeling Approach. Geosciences (Switzerland), 2021, 11, 412.	1.0	3
7	Late Miocene to Quaternary slip history across the Qiulitag anticline in the southern Tianshan piedmont. Terra Nova, 2020, 32, 89-96.	0.9	14
8	Structural and tectono-stratigraphic review of the Sicilian orogen and new insights from analogue modeling. Earth-Science Reviews, 2020, 208, 103257.	4.0	18
9	Repeated giant earthquakes on the Wairarapa fault, New Zealand, revealed by Lidar-based paleoseismology. Scientific Reports, 2020, 10, 2124.	1.6	19
10	Deep Origin of the Dome-Shaped Hyblean Plateau, Southeastern Sicily: A New Tectono-Magmatic Model. Tectonics, 2019, 38, 4488-4515.	1.3	8
11	Active-couple indentation in geodynamics of NNW Iran: Evidence from synchronous left- and right-lateral co-linear seismogenic faults in western Alborz and Iranian Azerbaijan domains. Tectonophysics, 2019, 754, 1-17.	0.9	15
12	Scaling of fault damage zones in carbonate rocks. Journal of Structural Geology, 2019, 124, 35-50.	1.0	48
13	Modelling of drainage dynamics influence on sediment routing system in a fold-and-thrust belt. Basin Research, 2019, 31, 290-310.	1.3	18
14	Strike-Slip Faulting in the Calabrian Accretionary Wedge: Using Analog Modeling to Test the Kinematic Boundary Conditions of Geodynamic Models. , 2019, , 321-337.		6
15	Late Pleistocene acceleration of deformation across the northern Tianshan piedmont (China) evidenced from the morpho-tectonic evolution of the Dushanzi anticline. Tectonophysics, 2018, 730, 132-140.	0.9	27
16	3D_Fault_Offsets, a Matlab Code to Automatically Measure Lateral and Vertical Fault Offsets in Topographic Data: Application to San Andreas, Owens Valley, and Hope Faults. Journal of Geophysical Research: Solid Earth, 2018, 123, 815-835.	1.4	29
17	Landscape "stress" and reorganization from maps: Insights from experimental drainage networks in oblique collision setting. Earth Surface Processes and Landforms, 2018, 43, 3152-3163.	1.2	21
18	Active tectonics of the Calabrian subduction revealed by new multi-beam bathymetric data and high-resolution seismic profiles in the Ionian Sea (Central Mediterranean). Earth and Planetary Science Letters, 2017, 461, 61-72.	1.8	73

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19	Relationships between along-fault heterogeneous normal stress and fault slip patterns during the seismic cycle: Insights from a strike-slip fault laboratory model. <i>Earth and Planetary Science Letters</i> , 2017, 480, 147-157.	1.8	17
20	Limited impact of Quaternary glaciations on denudation rates in Central Asia. <i>Bulletin of the Geological Society of America</i> , 2017, 129, 479-499.	1.6	27
21	Analogue earthquakes and seismic cycles: experimental modelling across timescales. <i>Solid Earth</i> , 2017, 8, 597-635.	1.2	53
22	Denudation outpaced by crustal thickening in the eastern Tianshan. <i>Earth and Planetary Science Letters</i> , 2017, 479, 179-191.	1.8	42
23	Tectonic expression of an active slab tear from high-resolution seismic and bathymetric data offshore Sicily (Ionian Sea). <i>Tectonics</i> , 2016, 35, 39-54.	1.3	82
24	Formation of ophiolite-bearing tectono-sedimentary mélanges in accretionary wedges by gravity driven submarine erosion: Insights from analogue models and case studies. <i>Journal of Geodynamics</i> , 2016, 100, 87-103.	0.7	38
25	Historical Reconstruction of Submarine Earthquakes Using ²¹⁰ Pb, ¹³⁷ Cs, and ²⁴¹ Am Turbidite Chronology and Radiocarbon Reservoir Age Estimation off East Taiwan. <i>Radiocarbon</i> , 2016, 58, 25-36.	0.8	7
26	Major temporal variations in shortening rate absorbed along a large active fold of the southeastern Tianshan piedmont (China). <i>Earth and Planetary Science Letters</i> , 2016, 434, 333-348.	1.8	61
27	Deformation of an experimental drainage network in oblique collision. <i>Tectonophysics</i> , 2016, 693, 210-222.	0.9	26
28	A ~¼ 3000 years-old sequence of extreme events revealed by marine and shore deposits east of Taiwan. <i>Tectonophysics</i> , 2016, 692, 325-341.	0.9	9
29	Recovering paleoearthquake slip record in a highly dynamic alluvial and tectonic region (Hope Fault, Tj ETQq1 1 0.784314 rgBT /Overlock 1.4 29	1.4	29
30	A new multilayered visco-elasto-plastic experimental model to study strike-slip fault seismic cycle. <i>Tectonics</i> , 2015, 34, 232-264.	1.3	18
31	Experimental modelling of tectonics-erosion-sedimentation interactions in compressional, extensional, and strike-slip settings. <i>Geomorphology</i> , 2015, 244, 146-168.	1.1	39
32	Drainage network evolution and patterns of sedimentation in an experimental wedge. <i>Tectonophysics</i> , 2015, 664, 109-124.	0.9	31
33	Paleoseismological and morphological evidence of slip rate variations along the North Tabriz fault (NW Iran). <i>Tectonophysics</i> , 2015, 640-641, 20-38.	0.9	27
34	Unbalanced sediment budgets in the catchment-alluvial fan system of the Kuitun River (northern Tian) Tj ETQq0 0 0 rgBT /Overlock 1.1 27	1.1	27
35	Impact of erosion and décollements on large-scale faulting and folding in orogenic wedges: analogue models and case studies. <i>Journal of the Geological Society</i> , 2013, 170, 893-904.	0.9	17
36	Stratigraphic architecture and fault offsets of alluvial terraces at Te Marua, Wellington fault, New Zealand, revealed by pseudo-3D GPR investigation. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4564-4585.	1.4	7

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37	The Gibraltar subduction: A decade of new geophysical data. <i>Tectonophysics</i> , 2012, 574-575, 72-91.	0.9	109
38	Experimental modelling of orogenic wedges: A review. <i>Tectonophysics</i> , 2012, 538-540, 1-66.	0.9	241
39	Present-day interseismic surface deformation along the Longitudinal Valley, eastern Taiwan, from a PS-InSAR analysis of the ERS satellite archives. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	23
40	The Zandjan fault system: Morphological and tectonic evidences of a new active fault network in the NW of Iran. <i>Tectonophysics</i> , 2011, 506, 73-85.	0.9	29
41	A new experimental material for modeling relief dynamics and interactions between tectonics and surface processes. <i>Tectonophysics</i> , 2011, 513, 68-87.	0.9	44
42	Interaction between normal fault slip and erosion on relief evolution: Insights from experimental modelling. <i>Tectonophysics</i> , 2011, 513, 1-19.	0.9	43
43	A morphotectonic analysis of central Patagonian Cordillera: Negative inversion of the Andean belt over a buried spreading center?. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	29
44	Mesozoic and Cenozoic tectonic history of the central Chinese Tian Shan: Reactivated tectonic structures and active deformation. <i>Tectonics</i> , 2010, 29, n/a-n/a.	1.3	247
45	The Neogene Xiyu Formation, a diachronous prograding gravel wedge at front of the Tianshan: Climatic and tectonic implications. <i>Earth and Planetary Science Letters</i> , 2009, 287, 298-310.	1.8	103
46	Deep structure, recent deformation and analog modeling of the Gulf of Cadiz accretionary wedge: Implications for the 1755 Lisbon earthquake. <i>Tectonophysics</i> , 2009, 475, 85-97.	0.9	53
47	Tectonic shortening and gravitational spreading in the Gulf of Cadiz accretionary wedge: Observations from multi-beam bathymetry and seismic profiling. <i>Marine and Petroleum Geology</i> , 2009, 26, 647-659.	1.5	47
48	Neogene uplift of the Tian Shan Mountains observed in the magnetic record of the Jingou River section (northwest China). <i>Tectonics</i> , 2009, 28, .	1.3	132
49	Source model for the Mw 6.1, 31 March 2006, Chalan-Chulan Earthquake (Iran) from InSAR. <i>Terra Nova</i> , 2008, 20, 126-133.	0.9	35
50	Incremental growth of normal faults: Insights from a laser-equipped analog experiment. <i>Earth and Planetary Science Letters</i> , 2008, 273, 299-311.	1.8	66
51	Analogue modelling of the interaction between tectonics, erosion and sedimentation in foreland thrust belts. <i>Comptes Rendus - Geoscience</i> , 2008, 340, 324-333.	0.4	73
52	Miocene to present kinematics of fault-bend folding across the Huerguosi anticline, northern Tianshan (China), derived from structural, seismic, and magnetostratigraphic data. <i>Geology</i> , 2008, 36, 871.	2.0	92
53	Kinematics of fault-related folding derived from a sandbox experiment. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	59
54	Post-seismic surface processes in the Jiufengershan landslide area, 1999 Chi-Chi earthquake epicentral zone, Taiwan. <i>Engineering Geology</i> , 2006, 86, 102-117.	2.9	23

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55	Magnetostratigraphy of the Yaha section, Tarim Basin (China): 11 Ma acceleration in erosion and uplift of the Tian Shan mountains. <i>Geology</i> , 2006, 34, 181.	2.0	192
56	Magnetostratigraphy and rock magnetism of the Neogene Kuitun He section (northwest China): implications for Late Cenozoic uplift of the Tianshan mountains. <i>Earth and Planetary Science Letters</i> , 2005, 230, 177-192.	1.8	175
57	Submarine fault scarps in the Sea of Marmara pull-apart (North Anatolian Fault): Implications for seismic hazard in Istanbul. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, .	1.0	226
58	Coseismic slip resolution and post-seismic relaxation time of the 1999 Chi-Chi, Taiwan, earthquake as constrained by geological observations, geodetic measurements and seismicity. <i>Geophysical Journal International</i> , 2004, 158, 310-326.	1.0	21
59	Horizontal coseismic deformation of the 1999 Chi-Chi earthquake measured from SPOT satellite images: Implications for the seismic cycle along the western foothills of central Taiwan. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	108
60	Arc-continent collision in Taiwan: New marine observations and tectonic evolution. , 2002, , .		67
61	Evidence for a 6000 km length NW-SE-striking lineament in northern Africa: the Tibesti Lineament. <i>Journal of the Geological Society</i> , 2000, 157, 897-900.	0.9	45
62	Deformation of accretionary wedges in response to seamount subduction: Insights from sandbox experiments. <i>Tectonics</i> , 2000, 19, 182-196.	1.3	247
63	Trench-parallel stretching and folding of forearc basins and lateral migration of the accretionary wedge in the southern Ryukyus: A case of strain partition caused by oblique convergence. <i>Tectonics</i> , 1999, 18, 231-247.	1.3	88
64	The last spreading episode of the West Philippine Basin revisited. <i>Geophysical Research Letters</i> , 1999, 26, 2073-2076.	1.5	18
65	Title is missing!. <i>Marine Geophysical Researches</i> , 1998, 20, 383-402.	0.5	61
66	Upper plate deformation associated with seamount subduction. <i>Tectonophysics</i> , 1998, 293, 207-224.	0.9	262
67	Direct evidence of active deformation in the eastern Indian oceanic plate. <i>Geology</i> , 1998, 26, 131.	2.0	133
68	Tectonic control of the subducting Juan Fernandez Ridge on the Andean margin near Valparaiso, Chile. <i>Tectonics</i> , 1997, 16, 474-488.	1.3	153
69	Nonlinear fault damage zone scaling revealed through analog modeling. <i>Geology</i> , 0, , .	2.0	9