Jean-Daniel Champagnac

List of Publications by Year
in descending order

24	1,709	430874 18	642732 23
papers	citations	h-index	g-index

24	24	24	1841
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The growth of northeastern Tibet and its relevance to largeâ€scale continental geodynamics: A review of recent studies. Tectonics, 2013, 32, 1358-1370.	2.8	350
2	Glacial hydrology and erosion patterns: A mechanism for carving glacial valleys. Earth and Planetary Science Letters, 2011, 310, 498-508.	4.4	150
3	Present-day geodynamics in the bend of the western and central Alps as constrained by earthquake analysis. Geophysical Journal International, 2004, 158, 753-774.	2.4	146
4	River drainage patterns in the New Zealand Alps primarily controlled by plate tectonic strain. Nature Geoscience, 2012, 5, 744-748.	12.9	131
5	Erosion-driven uplift of the modern Central Alps. Tectonophysics, 2009, 474, 236-249.	2.2	124
6	Tectonics, climate, and mountain topography. Journal of Geophysical Research, 2012, 117, .	3.3	121
7	Extensional neotectonics around the bend of the Western/Central Alps: an overview. International Journal of Earth Sciences, 2007, 96, 1101-1129.	1.8	113
8	Plioâ€Pleistocene increase of erosion rates in mountain belts in response to climate change. Terra Nova, 2016, 28, 2-10.	2.1	68
9	Pre-glacial topography of the European Alps. Geology, 2012, 40, 1067-1070.	4.4	65
10	Slip rate at the north-eastern front of the Qilian Shan, China. Terra Nova, 2010, 22, 180-187.	2.1	62
11	Late-Cenozoic relief evolution under evolving climate: A review. Tectonophysics, 2014, 614, 44-65.	2.2	51
12	Spatial and temporal variations of glacial erosion in the RhÃ´ne valley (Swiss Alps): Insights from numerical modeling. Earth and Planetary Science Letters, 2013, 368, 119-131.	4.4	46
13	Rates and style of Cenozoic deformation around the Gonghe Basin, northeastern Tibetan Plateau. , 2014, 10, 1255-1282.		46
14	Brittle deformation in the inner NW Alps: from early orogen-parallel extrusion to late orogen-perpendicular collapse. Terra Nova, 2004, 16, 232-242.	2.1	38
15	Aseismic deformation in the Alps: GPS vs. seismic strain quantification. Terra Nova, 2007, 19, 182-188.	2.1	35
16	Flexural isostatic response of the Alps to increased Quaternary erosion recorded by foreland basin remnants, SE France. Terra Nova, 2008, 20, 213-220.	2.1	35
17	Quantification of strain rate in the Western Alps using geodesy: comparisons with seismotectonics. Swiss Journal of Geosciences, 2008, 101, 377-385.	1.2	31
18	Deglaciation and glacial erosion: A joint control on magma productivity by continental unloading. Geophysical Research Letters, 2016, 43, 1632-1641.	4.0	26

#	Article	IF	Citations
19	Exploring IRSL50 fading variability in bedrock feldspars and implications for OSL thermochronometry. Quaternary Geochronology, 2016, 36, 55-66.	1.4	22
20	Origin of the current stress field in the western/central Alps: role of gravitational re-equilibration constrained by numerical modelling. Geological Society Special Publication, 2005, 243, 295-310.	1.3	17
21	Deciphering neotectonics from river profile analysis in the karst Jura Mountains (northern Alpine) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	11
22	Active strike-slip faulting in the Chablais area (NW Alps) from earthquake focal mechanisms and relative locations. Eclogae Geologicae Helveticae, 2005, 98, 189-199.	0.6	9
23	3D cartographic modeling of the Alpine arc. Tectonophysics, 2012, 579, 131-143.	2.2	9
24	Regional brittle extension in Quaternary sediments of Lanslebourg (Haute-Maurienne valley, western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	3