

Jrôme Vergne

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36
papers

2,411
citations

22
h-index

43
g-index

43
ext. papers

2,730
ext. citations

5.3
avg, IF

4.33
L-index

#	Paper	IF	Citations
36	Underplating in the Himalaya-Tibet collision zone revealed by the Hi-CLIMB experiment. <i>Science</i> , 2009 , 325, 1371-4	33.3	523
35	Teleseismic imaging of subducting lithosphere and Moho offsets beneath western Tibet. <i>Earth and Planetary Science Letters</i> , 2004 , 221, 117-130	5.3	205
34	Seismotectonics of the Nepal Himalaya from a local seismic network. <i>Journal of Asian Earth Sciences</i> , 1999 , 17, 703-712	2.8	187
33	Seismological evidence for crustal-scale thrusting in the Zagros mountain belt (Iran). <i>Geophysical Journal International</i> , 2006 , 166, 227-237	2.6	153
32	Seismic evidence for stepwise thickening of the crust across the NE Tibetan plateau. <i>Earth and Planetary Science Letters</i> , 2002 , 203, 25-33	5.3	146
31	Density distribution of the India plate beneath the Tibetan plateau: Geophysical and petrological constraints on the kinetics of lower-crustal eclogitization. <i>Earth and Planetary Science Letters</i> , 2007 , 264, 226-244	5.3	143
30	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. <i>Science</i> , 2020 , 369, 1338-1343	33.3	118
29	Spectral analysis of seismic noise induced by rivers: A new tool to monitor spatiotemporal changes in stream hydrodynamics. <i>Journal of Geophysical Research</i> , 2008 , 113,		89
28	Seismic velocities in Southern Tibet lower crust: a receiver function approach for eclogite detection. <i>Geophysical Journal International</i> , 2009 , 177, 1037-1049	2.6	78
27	The effective elastic thickness of the India Plate from receiver function imaging, gravity anomalies and thermomechanical modelling. <i>Geophysical Journal International</i> , 2006 , 167, 1106-1118	2.6	78
26	Structural and thermal characters of the Longmen Shan (Sichuan, China). <i>Tectonophysics</i> , 2010 , 491, 165-173	3.73	75
25	The 2015 Gorkha earthquake: A large event illuminating the Main Himalayan Thrust fault. <i>Geophysical Research Letters</i> , 2016 , 43, 2517-2525	4.9	70
24	Towards the hydrologic and bed load monitoring from high-frequency seismic noise in a braided river: The torrent de St Pierre, French Alps. <i>Journal of Hydrology</i> , 2011 , 408, 43-53	6	63
23	Crustal structures in the area of the 2008 Sichuan earthquake from seismologic and gravimetric data. <i>Tectonophysics</i> , 2010 , 491, 205-210	3.1	60
22	On the use of dislocations to model interseismic strain and stress build-up at intracontinental thrust faults. <i>Geophysical Journal International</i> , 2001 , 147, 155-162	2.6	56
21	Spatiotemporal sequence of Himalayan debris flow from analysis of high-frequency seismic noise. <i>Journal of Geophysical Research</i> , 2009 , 114,		43
20	Seismic constraints on dynamic links between geomorphic processes and routing of sediment in a steep mountain catchment. <i>Earth Surface Dynamics</i> , 2014 , 2, 21-33	3.8	34

19	Lithospheric and upper mantle stratifications beneath Tibet: New insights from Sp conversions. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	33
18	Evidence for upper crustal anisotropy in the Songpan-Ganze (northeastern Tibet) terrane. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	33
17	Joint inversion of teleseismic and GOCE gravity data: application to the Himalayas. <i>Geophysical Journal International</i> , 2013 , 193, 149-160	2.6	27
16	Ambient noise tomography with non-uniform noise sources and low aperture networks: case study of deep geothermal reservoirs in northern Alsace, France. <i>Geophysical Journal International</i> , 2017 , 208, 193-210	2.6	26
15	Location of river-induced seismic signal from noise correlation functions. <i>Geophysical Journal International</i> , 2010 , 182, 1161-1173	2.6	25
14	Discontinuous low-velocity zones in southern Tibet question the viability of the channel flow model. <i>Geological Society Special Publication</i> , 2011 , 353, 99-108	1.7	21
13	Characterization of ambient seismic noise near a deep geothermal reservoir and implications for interferometric methods: a case study in northern Alsace, France. <i>Geothermal Energy</i> , 2015 , 3,	3.3	19
12	Observation of deep water microseisms in the North Atlantic Ocean using tide modulations. <i>Geophysical Research Letters</i> , 2015 , 42, 316-322	4.9	17
11	Uppermost mantle velocity from Pn tomography in the Gulf of Aden 2014 , 10, 958-968		16
10	Seafloor spreading event in western Gulf of Aden during the November 2010-March 2011 period captured by regional seismic networks: evidence for diking events and interactions with a nascent transform zone. <i>Geophysical Journal International</i> , 2016 , 205, 1244-1266	2.6	14
9	Imaging the Moho and the Main Himalayan Thrust in Western Nepal With Receiver Functions. <i>Geophysical Research Letters</i> , 2018 , 45, 13,222	4.9	14
8	Seismicity and Crustal Structure of the Polochic-Motagua Fault System Area (Guatemala). <i>Seismological Research Letters</i> , 2009 , 80, 977-984	3	13
7	Reservoir Imaging Using Ambient Noise Correlation From a Dense Seismic Network. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 6671	3.6	11
6	R&SI: A Distributed Information System for French Seismological Data. <i>Seismological Research Letters</i> , 2021 , 92, 1832-1853	3	6
5	Mayotte seismic crisis: building knowledge in near real-time by combining land and ocean-bottom seismometers, first results. <i>Geophysical Journal International</i> ,	2.6	5
4	Vertical seismic profiling using double-beamforming processing of nonuniform anthropogenic seismic noise: The case study of Rittershoffen, Upper Rhine Graben, France. <i>Geophysics</i> , 2017 , 82, B209-B217	3.1	4
3	Structure of the crust and the lithosphere in the Himalaya-Tibet region and implications on the rheology and eclogitization of the India plate. <i>Himalayan Journal of Sciences</i> , 2008 , 5, 65-66		1
2	Crustal structure of northeastern Tibet inferred from receiver function analysis. <i>Acta Seismologica Sinica</i> , 2001 , 14, 107-113		1

1 Seismic constraints on dynamic links between geomorphic processes and routing of sediment in a steep mountain catchment

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