

# JÃ©rÃ©me Vergne

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

3,079  
citations

218592

26  
h-index

345118

36  
g-index

43  
all docs

43  
docs citations

43  
times ranked

2948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Underplating in the Himalaya-Tibet Collision Zone Revealed by the Hi-CLIMB Experiment. <i>Science</i> , 2009, 325, 1371-1374.	6.0	662
2	Teleseismic imaging of subducting lithosphere and Moho offsets beneath western Tibet. <i>Earth and Planetary Science Letters</i> , 2004, 221, 117-130.	1.8	236
3	Seismotectonics of the Nepal Himalaya from a local seismic network. <i>Journal of Asian Earth Sciences</i> , 1999, 17, 703-712.	1.0	213
4	Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures. <i>Science</i> , 2020, 369, 1338-1343.	6.0	202
5	Seismological evidence for crustal-scale thrusting in the Zagros mountain belt (Iran). <i>Geophysical Journal International</i> , 2006, 166, 227-237.	1.0	176
6	Seismic evidence for stepwise thickening of the crust across the NE Tibetan plateau. <i>Earth and Planetary Science Letters</i> , 2002, 203, 25-33.	1.8	168
7	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.	1.8	168
8	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, .	3.3	128
9	Seismic velocities in Southern Tibet lower crust: a receiver function approach for eclogite detection. <i>Geophysical Journal International</i> , 2009, 177, 1037-1049.	1.0	96
10	The 2015 Gorkha earthquake: A large event illuminating the Main Himalayan Thrust fault. <i>Geophysical Research Letters</i> , 2016, 43, 2517-2525.	1.5	93
11	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.	1.0	90
12	Structural and thermal characters of the Longmen Shan (Sichuan, China). <i>Tectonophysics</i> , 2010, 491, 165-173.	0.9	84
13	Towards the hydrologic and bed load monitoring from high-frequency seismic noise in a braided river: The "œtorrent de St Pierre", French Alps. <i>Journal of Hydrology</i> , 2011, 408, 43-53.	2.3	77
14	Crustal structures in the area of the 2008 Sichuan earthquake from seismologic and gravimetric data. <i>Tectonophysics</i> , 2010, 491, 205-210.	0.9	70
15	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.	1.0	59
16	Spatiotemporal sequence of Himalayan debris flow from analysis of high-frequency seismic noise. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	55
17	Reservoir Imaging Using Ambient Noise Correlation From a Dense Seismic Network. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 6671-6686.	1.4	46
18	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.	1.0	44

#	ARTICLE	IF	CITATIONS
19	Lithospheric and upper mantle stratifications beneath Tibet: New insights from Sp conversions. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	42
20	Evidence for upper crustal anisotropy in the Songpan-Ganze (northeastern Tibet) terrane. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	38
21	Imaging the Moho and the Main Himalayan Thrust in Western Nepal With Receiver Functions. <i>Geophysical Research Letters</i> , 2018, 45, 13,222.	1.5	36
22	Location of river-induced seismic signal from noise correlation functions. <i>Geophysical Journal International</i> , 2010, 182, 1161-1173.	1.0	35
23	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.	1.0	34
24	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.	0.8	30
25	Mayotte seismic crisis: building knowledge in near real-time by combining land and ocean-bottom seismometers, first results. <i>Geophysical Journal International</i> , 2021, 228, 1281-1293.	1.0	30
26	Joint inversion of teleseismic and GOCE gravity data: application to the Himalayas. <i>Geophysical Journal International</i> , 2013, 193, 149-160.	1.0	28
27	Observation of deep water microseisms in the North Atlantic Ocean using tide modulations. <i>Geophysical Research Letters</i> , 2015, 42, 316-322.	1.5	28
28	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, .	0.9	27
29	Seismicity and Crustal Structure of the Polochic-Motagua Fault System Area (Guatemala). <i>Seismological Research Letters</i> , 2009, 80, 977-984.	0.8	19
30	Uppermost mantle velocity from Pn tomography in the Gulf of Aden. , 2014, 10, 958-968.		18
31	Seafloor spreading event in western Gulf of Aden during the November 2010â€“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.	1.0	18
32	RÃ‰SIF-SI: A Distributed Information System for French Seismological Data. <i>Seismological Research Letters</i> , 2021, 92, 1832-1853.	0.8	9
33	Orogenic Collapse and Stress Adjustments Revealed by an Intense Seismic Swarm Following the 2015 Gorkha Earthquake in Nepal. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	6
34	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.	1.4	4
35	Crustal structure of northeastern Tibet inferred from receiver function analysis. <i>Acta Seismologica Sinica</i> , 2001, 14, 107-113.	0.2	1
36	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.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Active and Passive Seismic Imaging of the Central Abitibi Greenstone Belt, Larder Lake, Ontario. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	1