

Malavieille Jacques

List of Publications by Year in descending order

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41323

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5728
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#	ARTICLE	IF	CITATIONS
1	Deformation partitioning in mountain belts: insights from analogue modelling experiments and the Taiwan collisional orogen. <i>Geological Magazine</i> , 2021, 158, 84-103.	0.9	18
2	Active Fault Systems in the Inner Northwest Apennines, Italy: A Reappraisal One Century after the 1920 Mw ~6.5 Fivizzano Earthquake. <i>Geosciences (Switzerland)</i> , 2021, 11, 139.	1.0	8
3	Automatic Fault Mapping in Remote Optical Images and Topographic Data With Deep Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021269.	1.4	11
4	Structural and tectono-stratigraphic review of the Sicilian orogen and new insights from analogue modeling. <i>Earth-Science Reviews</i> , 2020, 208, 103257.	4.0	18
5	Repeated giant earthquakes on the Wairarapa fault, New Zealand, revealed by Lidar-based paleoseismology. <i>Scientific Reports</i> , 2020, 10, 2124.	1.6	19
6	Thermal History of the Northern Taiwanese Slate Belt and Implications for Wedge Growth During the Neogene Arc-Continent Collision. <i>Tectonics</i> , 2019, 38, 3335-3350.	1.3	8
7	Deep Origin of the Dome-Shaped Hyblean Plateau, Southeastern Sicily: A New Tectono-Magmatic Model. <i>Tectonics</i> , 2019, 38, 4488-4515.	1.3	8
8	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. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 815-835.	1.4	29
9	Basal accretion, a major mechanism for mountain building in Taiwan revealed in rock thermal history. <i>Journal of Asian Earth Sciences</i> , 2018, 152, 80-90.	1.0	15
10	Landscape "stress" and reorganization from maps: Insights from experimental drainage networks in oblique collision setting. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 3152-3163.	1.2	21
11	Formation of ophiolite-bearing tectono-sedimentary complexes 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
12	Deformation of an experimental drainage network in oblique collision. <i>Tectonophysics</i> , 2016, 693, 210-222.	0.9	26
13	Recovering paleoearthquake slip record in a highly dynamic alluvial and tectonic region (Hope Fault, Tj ETQq1 1 0.784314 rgBT /Over 1.4 29	1.4	29
14	Experimental modelling of tectonics-erosion-sedimentation interactions in compressional, extensional, and strike-slip settings. <i>Geomorphology</i> , 2015, 244, 146-168.	1.1	39
15	Stacking and metamorphism of continuous segments of subducted lithosphere in a high-pressure wedge: The example of Alpine Corsica (France). <i>Earth-Science Reviews</i> , 2013, 116, 35-56.	4.0	106
16	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
17	Graphite formation by carbonate reduction during subduction. <i>Nature Geoscience</i> , 2013, 6, 473-477.	5.4	155
18	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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19	Earthquake synchrony and clustering on Fucino faults (Central Italy) as revealed from in situ ³⁶ Cl exposure dating. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 4948-4974.	1.4	128
20	A fossil Ocean-Continent Transition of the Mesozoic Tethys preserved in the Schistes Lustrés nappe of northern Corsica. <i>Tectonophysics</i> , 2012, 579, 4-16.	0.9	44
21	Finding the buried record of past earthquakes with GPR-based palaeoseismology: a case study on the Hope fault, New Zealand. <i>Geophysical Journal International</i> , 2012, 189, 73-100.	1.0	35
22	Experimental modelling of orogenic wedges: A review. <i>Tectonophysics</i> , 2012, 538-540, 1-66.	0.9	241
23	Mesozoic-Cenozoic tectonothermal evolution of the eastern part of the Tibetan Plateau (Songpan-Garzê, Longmen Shan area): insights from thermochronological data and simple thermal modelling. <i>Geological Society Special Publication</i> , 2011, 353, 9-25.	0.8	54
24	Earthquake supercycles in Central Italy, inferred from ³⁶ Cl exposure dating. <i>Earth and Planetary Science Letters</i> , 2011, 307, 487-500.	1.8	95
25	Coexistence of lawsonite-bearing eclogite and blueschist: phase equilibria modelling of Alpine Corsica metabasalts and petrological evolution of subducting slabs. <i>Journal of Metamorphic Geology</i> , 2011, 29, 583-600.	1.6	100
26	Thrust wedges with décollement levels and syntectonic erosion: A view from analog models. <i>Tectonophysics</i> , 2011, 502, 336-350.	0.9	113
27	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
28	Inherited Ocean-Continent Transition zones in deeply subducted terranes: Insights from Alpine Corsica. <i>Lithos</i> , 2011, 124, 273-290.	0.6	73
29	Thrust-wrench interference tectonics in the Gulf of Cadiz (Africa-Iberia plate boundary in the Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	56
30	Orogenic processes and the Corsica/Apennines geodynamic evolution: insights from Taiwan. <i>International Journal of Earth Sciences</i> , 2011, 100, 1207-1224.	0.9	101
31	Impact of surface processes on the growth of orogenic wedges: Insights from analog models and case studies. <i>Geotectonics</i> , 2010, 44, 541-558.	0.2	25
32	The tectonic evolution of the Songpan-Garzê (North Tibet) and adjacent areas from Proterozoic to Present: A synthesis. <i>Journal of Asian Earth Sciences</i> , 2010, 39, 254-269.	1.0	341
33	Impact of erosion, sedimentation, and structural heritage on the structure and kinematics of orogenic wedges: Analog models and case studies. <i>GSA Today</i> , 2010, , 4-10.	1.1	162
34	The tectonic history of Drake Passage and its possible impacts on global climate. <i>Earth and Planetary Science Letters</i> , 2009, 279, 197-211.	1.8	177
35	Consequences of continental subduction on forearc basin and accretionary wedge deformation in SE Taiwan: Insights from analogue modeling. <i>Tectonophysics</i> , 2009, 466, 377-394.	0.9	85
36	Expected temporal absolute gravity change across the Taiwanese Orogen, a modeling approach. <i>Journal of Geodynamics</i> , 2009, 48, 284-291.	0.7	15

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37	Incremental growth of normal faults: Insights from a laser-equipped analog experiment. Earth and Planetary Science Letters, 2008, 273, 299-311.	1.8	66
38	Tectonic evolution of the Triassic fold belts of Tibet. Comptes Rendus - Geoscience, 2008, 340, 180-189.	0.4	145
39	Surface processes versus kinematics of thrust belts: impact on rates of erosion, sedimentation, and exhumation – Insights from analogue models. Bulletin - Societe Geologique De France, 2008, 179, 297-314.	0.9	38
40	Aragonite-grossular intergrowths in eclogite-facies marble, Alpine Corsica. European Journal of Mineralogy, 2008, 20, 857-865.	0.4	25
41	Interactions between tectonics, erosion, and sedimentation during the recent evolution of the Alpine orogen: Analogue modeling insights. Tectonics, 2007, 26, .	1.3	114
42	Pliocene extensional tectonics in the Eastern Central Patagonian Cordillera: geochronological constraints and new field evidence. Terra Nova, 2007, 19, 413-424.	0.9	45
43	Erosion and exhumation in accretionary orogens: Experimental and geological approaches. Geochemistry, Geophysics, Geosystems, 2005, 6, .	1.0	130
44	Timing of granite emplacement and cooling in the Songpan-Garz Fold Belt (eastern Tibetan Plateau) with tectonic implications. Journal of Asian Earth Sciences, 2004, 22, 465-481.	1.0	246
45	Discovery of the Paleo-Tethys residual peridotites along the Anyemaqen-KunLun suture zone (North Tj ETQq1 1,0784314 rgBT /C 0.4	0.4	39
46	Strain partitioning in an accretionary wedge, in oblique convergence : analogue modelling. Bulletin - Societe Geologique De France, 2002, 173, 17-24.	0.9	30
47	Mechanical decoupling and basal duplex formation observed in sandbox experiments with application to the Western Mediterranean Ridge accretionary complex. Marine Geology, 2002, 186, 29-42.	0.9	75
48	Mesozoic and Cenozoic tectonics of the northern edge of the Tibetan plateau: fission-track constraints. Tectonophysics, 2001, 343, 111-134.	0.9	479
49	Non-Coulomb wedges, wrong-way thrusting, and natural hazards in Cascadia. Geology, 2001, 29, 379.	2.0	63
50	Deformation of accretionary wedges in response to seamount subduction: Insights from sandbox experiments. Tectonics, 2000, 19, 182-196.	1.3	247
51	Origin of a large-scale fold nappe in the Montagne Noire, Variscan belt, France. Journal of Structural Geology, 1999, 21, 1321-1333.	1.0	42
52	Tectonic segmentation of the North Andean margin: impact of the Carnegie Ridge collision. Earth and Planetary Science Letters, 1999, 168, 255-270.	1.8	325
53	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. Tectonics, 1999, 18, 231-247.	1.3	88
54	Title is missing!. Marine Geophysical Researches, 1998, 20, 383-402.	0.5	61

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55	Material transfer in accretionary wedges from analysis of a systematic series of analog experiments. <i>Journal of Structural Geology</i> , 1998, 20, 407-416.	1.0	123
56	Upper plate deformation associated with seamount subduction. <i>Tectonophysics</i> , 1998, 293, 207-224.	0.9	262
57	Episodic imbricate thrusting and underthrusting: Analog experiments and mechanical analysis applied to the Alaskan Accretionary Wedge. <i>Journal of Geophysical Research</i> , 1998, 103, 10161-10176.	3.3	129
58	Uâ€Pb dating on single detrital zircon grains from the Triassic Songpanâ€Ganze flysch (Central China): provenance and tectonic correlations. <i>Earth and Planetary Science Letters</i> , 1997, 152, 217-231.	1.8	248
59	Cyclical behavior of thrust wedges: Insights from high basal friction sandbox experiments. <i>Geology</i> , 1996, 24, 135.	2.0	161
60	Experimental modelling of forearc basin development during accretionary wedge growth. <i>Basin Research</i> , 1995, 7, 255-268.	1.3	36
61	Miocene emplacement and deformation of the Konga Shan granite (Xianshui He fault zone, west) Tj ETQq1 1 0.784314 rgBT /Overload	1.8	189
62	A mechanism for syn-collisional rock exhumation and associated normal faulting: Results from physical modelling. <i>Earth and Planetary Science Letters</i> , 1995, 132, 225-232.	1.8	475
63	Sediment accretion against a buttress beneath the Peruvian continental margin at 12Â° S as simulated with sandbox modeling. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1994, 83, 822-831.	1.3	50
64	Coulomb theory applied to accretionary and nonaccretionary wedges: Possible causes for tectonic erosion and/or frontal accretion. <i>Journal of Geophysical Research</i> , 1994, 99, 12033-12055.	3.3	282
65	Oblique convergence, indentation and rotation tectonics in the Taiwan Mountain Belt: Insights from experimental modelling. <i>Earth and Planetary Science Letters</i> , 1994, 121, 477-494.	1.8	115
66	Tectonic model for the evolution of the western Alps: Comment and Reply. <i>Geology</i> , 1994, 22, 762.	2.0	1
67	Transfer zones of deformation in thrust wedges: An experimental study. <i>Tectonophysics</i> , 1993, 221, 325-344.	0.9	112
68	Late Orogenic extension in mountain belts: Insights from the basin and range and the Late Paleozoic Variscan Belt. <i>Tectonics</i> , 1993, 12, 1115-1130.	1.3	166
69	Effects of oceanic ridge subduction on accretionary wedges: Experimental modeling and marine observations. <i>Tectonics</i> , 1992, 11, 1301-1313.	1.3	137
70	A geological cross-section of the Vema fracture zone transverse ridge, Atlantic ocean. <i>Journal of Geodynamics</i> , 1991, 13, 97-117.	0.7	37
71	In-situ study of the eastern ridge-transform intersection of the Vema Fracture Zone. <i>Tectonophysics</i> , 1991, 190, 55-71.	0.9	22
72	Kinematic model for postorogenic Basin and Range extension. <i>Geology</i> , 1991, 19, 555.	2.0	34

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73	The MARCO Vema Fracture Zone intersection surveyed by deep submersible Nautilie. Terra Nova, 1990, 2, 68-73.	0.9	16
74	Effect of ramp geometry on deformation in a ductile décollement level. Journal of Structural Geology, 1990, 12, 297-302.	1.0	7
75	Extensional tectonics, basement uplift and Stephano-Permian collapse basin in a late Variscan metamorphic core complex (Montagne Noire, Southern Massif Central). Tectonophysics, 1990, 177, 125-138.	0.9	160
76	Collapse of the thickened Variscan crust in the French Massif Central: Mont Pilat extensional shear zone and St. Etienne Late Carboniferous basin. Tectonophysics, 1990, 177, 139-149.	0.9	191
77	Direct observation of a section through slow-spreading oceanic crust. Nature, 1989, 337, 726-729.	13.7	124
78	Mylonitic deformation of evaporites in décollements: examples from the Southern Alps, France. Journal of Structural Geology, 1989, 11, 583-590.	1.0	39
79	“Bone-shaped” boudins in progressive shearing. Journal of Structural Geology, 1988, 10, 335-345.	1.0	20
80	Extensional shearing deformation and kilometer-scale “coseismic” type folds in a Cordilleran Metamorphic Core Complex (Raft River Mountains, northwestern Utah). Tectonics, 1987, 6, 423-448.	1.3	90
81	Kinematics of compressional and extensional ductile shearing deformation in a metamorphic core complex of the northeastern basin and range. Journal of Structural Geology, 1987, 9, 541-554.	1.0	67
82	Computer models of pressure shadows: a method for strain measurement and shear-sense determination. Journal of Structural Geology, 1987, 9, 667-677.	1.0	93
83	Tectonics of the Qinling Belt: build-up and evolution of eastern Asia. Nature, 1985, 317, 496-500.	13.7	611
84	Signification tectonique des lineations d'allongement dans les Alpes occidentales. Bulletin - Societe Geologique De France, 1984, S7-XXVI, 895-906.	0.9	49
85	Modelisation experimentale des chevauchements imbriques; application aux chaines de montagnes. Bulletin - Societe Geologique De France, 1984, S7-XXVI, 129-138.	0.9	225
86	Ductile shear deformation of quartzite in an alpine crustal thrust (Ambin Massif). Tectonophysics, 1981, 78, 65-71.	0.9	17
87	Transverse lineation and large-scale structures related to Alpine obduction in Corsica. Journal of Structural Geology, 1981, 3, 401-409.	1.0	129