

Marco Giovanni MalusÀ

List of Publications by Year in descending order

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62
papers

2,289
citations

186209

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docs citations

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times ranked

1920
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydraulic sorting and mineral fertility bias in detrital geochronology. <i>Gondwana Research</i> , 2016, 31, 1-19.	3.0	153
2	Bias in detrital zircon geochronology and thermochronometry. <i>Chemical Geology</i> , 2013, 359, 90-107.	1.4	114
3	Divergence in subduction zones and exhumation of high pressure rocks (Eocene Western Alps). <i>Earth and Planetary Science Letters</i> , 2011, 310, 21-32.	1.8	103
4	First seismic evidence for continental subduction beneath the Western Alps. <i>Geology</i> , 2015, 43, 815-818.	2.0	103
5	Contrasting styles of (U)HP rock exhumation along the Cenozoic Adria-Europe plate boundary (Western Alps, Calabria, Corsica). <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1786-1824.	1.0	102
6	The Oligocene Alps: Domal unroofing and drainage development during early orogenic growth. <i>Earth and Planetary Science Letters</i> , 2008, 268, 487-500.	1.8	99
7	Continuity of the Alpine slab unraveled by high-resolution P wave tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 8720-8737.	1.4	95
8	Miocene to Present differential exhumation in the Western Alps: Insights from fission track thermochronology. <i>Tectonics</i> , 2005, 24, n/a-n/a.	1.3	90
9	Giant non-catastrophic landslides and the long-term exhumation of the European Alps. <i>Earth and Planetary Science Letters</i> , 2013, 365, 263-274.	1.8	89
10	Slab breakoff: A critical appraisal of a geological theory as applied in space and time. <i>Earth-Science Reviews</i> , 2018, 177, 303-319.	4.0	79
11	Forward compositional modelling of Alpine orogenic sediments. <i>Sedimentary Geology</i> , 2012, 280, 149-164.	1.0	78
12	Post-Variscan tectonics in eastern Anti-Atlas (Morocco). <i>Terra Nova</i> , 2007, 19, 481-489.	0.9	69
13	Detrital geochronology of unroofing magmatic complexes and the slow erosion of Oligocene volcanoes in the Alps. <i>Earth and Planetary Science Letters</i> , 2011, 301, 324-336.	1.8	61
14	Detrital Fingerprints of Fossil Continental-Subduction Zones (Axial Belt Provenance, European Alps). <i>Journal of Geology</i> , 2010, 118, 341-362.	0.7	45
15	The cosmogenic record of mountain erosion transmitted across a foreland basin: Source-to-sink analysis of in situ ^{10}Be , ^{26}Al and ^{21}Ne in sediment of the Po river catchment. <i>Earth and Planetary Science Letters</i> , 2016, 452, 258-271.	1.8	45
16	Tracking the Adriatic-slab travel beneath the Tethyan margin of Corsica-Sardinia by low-temperature thermochronometry. <i>Gondwana Research</i> , 2016, 31, 135-149.	3.0	45
17	Strain partitioning in the axial NW Alps since the Oligocene. <i>Tectonics</i> , 2009, 28, .	1.3	43
18	Tracking Adria indentation beneath the Alps by detrital zircon U-Pb geochronology: Implications for the Oligocene-Miocene dynamics of the Adriatic microplate. <i>Geology</i> , 2016, 44, 155-158.	2.0	40

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19	Mantle wedge exhumation beneath the Dora-Maira (U)HP dome unravelled by local earthquake tomography (Western Alps). <i>Lithos</i> , 2018, 296-299, 623-636.	0.6	36
20	Divergent plate motion drives rapid exhumation of (ultra)high pressure rocks. <i>Earth and Planetary Science Letters</i> , 2018, 491, 67-80.	1.8	35
21	The Deep Structure of the Alps Based on the CIfALPS Seismic Experiment: A Synthesis. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009466.	1.0	35
22	The geologic interpretation of the detrital thermochronology record within a stratigraphic framework, with examples from the European Alps, Taiwan and the Himalayas. <i>Earth-Science Reviews</i> , 2020, 201, 103074.	4.0	33
23	MinSORTING: An Excel® worksheet for modelling mineral grain-size distribution in sediments, with application to detrital geochronology and provenance studies. <i>Computers and Geosciences</i> , 2013, 59, 90-97.	2.0	32
24	Active and fossil mantle flows in the western Alpine region unravelled by seismic anisotropy analysis and high-resolution P wave tomography. <i>Tectonophysics</i> , 2018, 731-732, 35-47.	0.9	32
25	Evidence for a serpentized plate interface favouring continental subduction. <i>Nature Communications</i> , 2020, 11, 2171.	5.8	32
26	Polyphase thrusting and dyke emplacement in the central Southern Alps (Northern Italy). <i>International Journal of Earth Sciences</i> , 2011, 100, 1095-1113.	0.9	31
27	Burial and exhumation across the Alps-Apennines junction zone constrained by fission track analysis on modern river sands. <i>Terra Nova</i> , 2012, 24, 221-226.	0.9	31
28	Interplay between erosion and tectonics in the Western Alps. <i>Terra Nova</i> , 2006, 18, 104-108.	0.9	29
29	Synchronous Periadriatic magmatism in the Western and Central Alps in the absence of slab breakoff. <i>Terra Nova</i> , 2019, 31, 120-128.	0.9	29
30	The Grand St Bernard-Briançonnais Nappe System and the Paleozoic Inheritance of the Western Alps Unraveled by Zircon U-Pb Dating. <i>Tectonics</i> , 2017, 36, 2950-2972.	1.3	28
31	Transpressional structuring of the High Atlas belt, Morocco. <i>Journal of Structural Geology</i> , 2020, 135, 104021.	1.0	28
32	Earthquakes in the western Alpine mantle wedge. <i>Gondwana Research</i> , 2017, 44, 89-95.	3.0	25
33	Trace-element and Nd-isotope systematics in detrital apatite of the Po river catchment: Implications for provenance discrimination and the lag-time approach to detrital thermochronology. <i>Lithos</i> , 2017, 290-291, 48-59.	0.6	24
34	Tracking coarse-grained gravity flows by LASS-ICP-MS depth-profiling of detrital zircon (Aveto). <i>Journal of Metamorphic Geology</i> , 2015, 33, 107-123.	1.5	23
35	From Cooling to Exhumation: Setting the Reference Frame for the Interpretation of Thermochronologic Data. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2019, , 147-164.	0.1	22
36	Late stages of exhumation constrained by structural, fluid inclusion and fission track analyses (Sesia-Lanzo unit, Western European Alps). <i>Earth and Planetary Science Letters</i> , 2006, 243, 565-580.	1.8	21

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37	Transpressional tectonics and nappe stacking along the Southern Variscan Front of Morocco. <i>International Journal of Earth Sciences</i> , 2010, 99, 1111-1122.	0.9	21
38	Active carbon sequestration in the Alpine mantle wedge and implications for long-term climate trends. <i>Scientific Reports</i> , 2018, 8, 4740.	1.6	21
39	3-D Pn tomography reveals continental subduction at the boundaries of the Adriatic microplate in the absence of a precursor oceanic slab. <i>Earth and Planetary Science Letters</i> , 2019, 510, 131-141.	1.8	21
40	Zircon as a provenance tracer: Coupling Raman spectroscopy and U Pb geochronology in source-to-sink studies. <i>Chemical Geology</i> , 2020, 555, 119828.	1.4	21
41	Application of Thermochronology to Geologic Problems: Bedrock and Detrital Approaches. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2019, , 191-209.	0.1	17
42	Focused erosion in the Alps constrained by fission-track ages on detrital apatites. <i>Geological Society Special Publication</i> , 2009, 324, 141-152.	0.8	16
43	Actualistic snapshot of the early Oligocene Alps: the Alps' Apennines knot disentangled. <i>Terra Nova</i> , 2012, 24, 1-6.	0.9	15
44	A seismotectonic picture of the inner southern Western Alps based on the analysis of anomalously deep earthquakes. <i>Tectonophysics</i> , 2015, 661, 190-199.	0.9	15
45	Supradetachment basin evolution unravelled by detrital apatite fission track analysis: the Gediz Graben (Menderes Massif, Western Turkey). <i>Basin Research</i> , 2018, 30, 502-521.	1.3	15
46	The Gediz Supradetachment System (SW Turkey): Magmatism, Tectonics, and Sedimentation During Crustal Extension. <i>Tectonics</i> , 2019, 38, 1414-1440.	1.3	15
47	Seismotectonics at the Transition Between Opposite-Dipping Slabs (Western Alpine Region). <i>Tectonics</i> , 2020, 39, e2020TC006086.	1.3	15
48	Precollisional development and Cenozoic evolution of the Southalpine retrobelt (European Alps). <i>Lithosphere</i> , 2015, , L466.1.	0.6	14
49	3D modeling of crustal shortening influenced by along-strike lithological changes: Implications for continental collision in the Western and Central Alps. <i>Tectonophysics</i> , 2018, 746, 425-438.	0.9	14
50	Sediment budgets by detrital apatite fission-track dating (Rivers Dora Baltea and Arc, Western Alps). , 2012, , .		12
51	The Sedimentology of Detrital Thermochronology. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2019, , 123-143.	0.1	11
52	Ongoing exhumation of the Taiwan orogenic wedge revealed by detrital apatite thermochronology: The impact of effective mineral fertility and zero-track grains. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116374.	1.8	9
53	Seismic probing of continental subduction zones. <i>Journal of Asian Earth Sciences</i> , 2017, 145, 37-45.	1.0	8
54	A Guide for Interpreting Complex Detrital Age Patterns in Stratigraphic Sequences. <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2019, , 279-293.	0.1	8

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55	Crustal Exhumation of Plutonic and Metamorphic Rocks: Constraints from Fission-Track Thermochronology. Springer Textbooks in Earth Sciences, Geography and Environment, 2019, , 235-257.	0.1	8
56	Syntectonic Sediment Recycling Controls Eolian Deposition in Eastern Asia Since ~ 148 Ma. Geophysical Research Letters, 2022, 49, .	1.5	8
57	Pulsed Mesozoic exhumation in Northeast Asia: New constraints from zircon U-Pb and apatite U-Pb, fission track and (U-Th)/He analyses in the Zhangguangcai Range, NE China. Tectonophysics, 2021, 818, 229075.	0.9	7
58	Receiver function mapping of the mantle transition zone beneath the Western Alps: New constraints on slab subduction and mantle upwelling. Earth and Planetary Science Letters, 2022, 577, 117267.	1.8	6
59	Detrital Thermochronology Using Conglomerates and Cobbles. Springer Textbooks in Earth Sciences, Geography and Environment, 2019, , 295-314.	0.1	4
60	An explosive component in a December 2020 Milan earthquake suggests outgassing of deeply recycled carbon. Communications Earth & Environment, 2022, 3, .	2.6	4
61	(Mis)Identification of magmatic and exhumation ages by detrital zircon U Pb and He double dating: A case study from the Bergell-Gonfolite system (European Alps). Chemical Geology, 2022, 606, 120970.	1.4	4
62	Reply to Comment on Resentini et al., 2020: "Ongoing exhumation of the Taiwan orogenic wedge revealed by detrital apatite thermochronology: The impact of effective mineral fertility and zero-track grains" Earth and Planetary Science Letters, 2020, 550, 116557.	1.8	0