

Philippe MÃ¼nch

List of Publications by Year in descending order

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50
papers

962
citations

394421

19
h-index

526287

27
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57
all docs

57
docs citations

57
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	The late Miocene Mediterranean-Atlantic connections through the North Rifian Corridor: New insights from the Boudinar and Arbaa Taourirt basins (northeastern Rif, Morocco). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 459, 131-152.	2.3	54
2	Tectonic and climatic controls on coastal sedimentation: The Late Pliocene–Middle Pleistocene of northeastern Rhodes, Greece. <i>Sedimentary Geology</i> , 2006, 187, 159-181.	2.1	50
3	Cenozoic exhumation history of Sulu terrane: Implications from (U–Th)/He thermochronology. <i>Tectonophysics</i> , 2016, 672-673, 1-15.	2.2	46
4	Early Pleistocene climate cycles in continental deposits of the Lesser Caucasus of Armenia inferred from palynology, magnetostratigraphy, and ⁴⁰ Ar/ ³⁹ Ar dating. <i>Earth and Planetary Science Letters</i> , 2010, 291, 149-158.	4.4	44
5	Emplacement and cooling of the Dien Bien Phu granitic complex: Implications for the tectonic evolution of the Dien Bien Phu Fault (Truong Son Belt, NW Vietnam). <i>Gondwana Research</i> , 2014, 26, 785-801.	6.0	38
6	Messinian events: new constraints from sedimentological investigations and new ⁴⁰ Ar/ ³⁹ Ar ages in the Melilla–Nador Basin (Morocco). <i>Sedimentary Geology</i> , 2002, 151, 127-147.	2.1	37
7	Eocene intra-plate shortening responsible for the rise of a faunal pathway in the northeastern Caribbean realm. <i>PLoS ONE</i> , 2020, 15, e0241000.	2.5	37
8	Correlations and sequence stratigraphic model for Messinian carbonate platforms of the western and central Mediterranean. <i>International Journal of Earth Sciences</i> , 2004, 93, 621.	1.8	36
9	The Messinian erosional surface and early Pliocene reflooding in the Alboran Sea: New insights from the Boudinar basin, Morocco. <i>Sedimentary Geology</i> , 2016, 333, 115-129.	2.1	35
10	Lost islands in the northern Lesser Antilles: possible milestones in the Cenozoic dispersal of terrestrial organisms between South-America and the Greater Antilles. <i>Earth-Science Reviews</i> , 2021, 217, 103617.	9.1	30
11	New well-preserved craniodental remains of <i>Simomyiodon uccasamamensis</i> (Xenarthra): palaeobiogeographical implications. <i>Zoological Journal of the Linnean Society</i> , 2019, 185, 459-486.	2.3	27
12	Genetic Relations Between the Aves Ridge and the Grenada Back-Arc Basin, East Caribbean Sea. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020466.	3.4	27
13	Early Oligocene chinchilloid caviomorphs from Puerto Rico and the initial rodent colonization of the West Indies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192806.	2.6	25
14	Timing of Late Pliocene to Middle Pleistocene tectonic events in Rhodes (Greece) inferred from magneto-biostratigraphy and ⁴⁰ Ar/ ³⁹ Ar dating of a volcanoclastic layer. <i>Earth and Planetary Science Letters</i> , 2006, 250, 281-291.	4.4	24
15	Pliocene to Pleistocene carbonate systems of the Guadeloupe archipelago, French Lesser Antilles: a land and sea study (the KaShallow project). <i>Bulletin - Societe Geologique De France</i> , 2013, 184, 99-110.	2.2	24
16	Sedimentology, palaeoenvironments and biostratigraphy of the Pliocene–Pleistocene carbonate platform of Grande-Terre (Guadeloupe, Lesser Antilles forearc). <i>Sedimentology</i> , 2012, 59, 1426-1451.	3.1	23
17	Alteration of Silicic Vitric Tuffs Interbedded in Volcanoclastic Deposits of the Southern Basin and Range Province, Mexico: Evidences for Hydrothermal Reactions. <i>Clays and Clay Minerals</i> , 1996, 44, 49-67.	1.3	22
18	Onshore to offshore reconstruction of the Messinian erosion surface in Western Sardinia, Italy: Implications for the Messinian salinity crisis. <i>Sedimentary Geology</i> , 2008, 210, 48-60.	2.1	22

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19	Tectonic and sedimentary architecture of the KarukÃ©ra spur: A record of the Lesser Antilles fore-arc deformations since the Neogene. <i>Marine Geology</i> , 2015, 363, 15-37.	2.1	21
20	Miocene crustal extension following thrust tectonic in the Lower Sebtides units (internal Rif, Ceuta) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2018, 722, 507-535.	2.2	20
21	Crustal structure of Guadeloupe islands and the Lesser Antilles arc from a new gravity and magnetic synthesis. <i>Bulletin - Societie Geologique De France</i> , 2013, 184, 77-97.	2.2	19
22	Tectonic motion in oblique subduction forearcs: insights from the revisited Middle and Upper Pleistocene deposits of Rhodes, Greece. <i>Journal of the Geological Society</i> , 2019, 176, 78-96.	2.1	19
23	Tracking geothermal anomalies along a crustal fault using (Uâ€³â€³â€³)â€³He apatite thermochronology and rare-earth element (REE) analyses: the example of the TÃ©t fault (Pyrenees, France). <i>Solid Earth</i> , 2020, 11, 1747-1771.	2.8	19
24	A new nothrotheriid xenarthran from the early Pliocene of Pomata-Ayte (Bolivia): new insights into the caniniform-molariform transition in sloths. <i>Zoological Journal of the Linnean Society</i> , 2016, 178, 679-712.	2.3	17
25	Active tectonics within the NW and SE extensions of the Pambak-Sevan-Syunik fault: Implications for the present geodynamics ofÃ©Armenia. <i>Quaternary International</i> , 2016, 395, 61-78.	1.5	17
26	Paleogene VÃ©Shaped Basins and Neogene Subsidence of the Northern Lesser Antilles Forearc. <i>Tectonics</i> , 2021, 40, e2020TC006524.	2.8	17
27	Three-dimensional structural modeling of an active fault zone based on complex outcrop and subsurface data: The Middle Durance Fault Zone inherited from polyphase Meso-Cenozoic tectonics (southeastern France). <i>Tectonics</i> , 2015, 34, 265-289.	2.8	16
28	Pre-Pliocene tectonostratigraphic framework of the Provence continental shelf (eastern Gulf of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 2.2	2.2	16
29	La DÃ©sirade island (Guadeloupe, French West Indies): a key target for deciphering the role of reactivated tectonic structures in Lesser Antilles arc building. <i>Bulletin - Societie Geologique De France</i> , 2013, 184, 21-34.	2.2	14
30	The Early Pliocene reflooding in the Western Mediterranean: New insights from the rias of the Internal Rif, Morocco. <i>Comptes Rendus - Geoscience</i> , 2014, 346, 90-98.	1.2	14
31	Chronostratigraphy of uplifted Quaternary hemipelagic deposits from the Dodecanese island of Rhodes (Greece). <i>Quaternary Research</i> , 2016, 86, 79-94.	1.7	13
32	Mapping a geothermal anomaly using apatite (Uâ€³Th)/He thermochronology in the TÃ©t fault damage zone, eastern Pyrenees, France. <i>Terra Nova</i> , 2019, 31, 569-576.	2.1	13
33	Paleogene carbonate systems of Saint BarthÃ©lemy, Lesser Antilles: stratigraphy and general organization. <i>Newsletters on Stratigraphy</i> , 2020, 53, 461-478.	1.2	13
34	Ã©volution des environnements littoraux du bassin de Melilla-Nador (Nord-Est Maroc) au Messinien supÃ©rieur entre 6,0Ã©t 5,77Ã©Ma. <i>Geobios</i> , 2004, 37, 23-36.	1.4	12
35	Caribbean intra-plate deformation: Paleomagnetic evidence from St. BarthÃ©lemy Island for post-Oligocene rotation in the Lesser Antilles forearc. <i>Tectonophysics</i> , 2020, 777, 228323.	2.2	11
36	Deep Structure of the Grenada Basin From WideÃ©Angle Seismic, Bathymetric and Gravity Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020472.	3.4	10

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37	Discovery of Messinian canyons and new seismic stratigraphic model, offshore Provence (SE France): Implications for the hydrographic network reconstruction. <i>Marine and Petroleum Geology</i> , 2014, 57, 25-50.	3.3	9
38	Multiple skeletal and dental pathologies in a late Miocene mesotheriid (Mammalia, Notoungulata) from the Altiplano of Bolivia: Palaeoecological inferences. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 534, 109297.	2.3	9
39	Postcranial anatomy of the extinct terrestrial sloth <i>Simomylodon uccasamamensis</i> (Xenarthra). <i>Papers in Palaeontology</i> , 2021, 7, 1557-1583.	1.5	9
40	Decreasing uplift rates and Pleistocene marine terraces settlement in the central lesser Antilles fore-arc (La DÃ©sirade Island, 16Â°N). <i>Quaternary International</i> , 2019, 508, 43-59.	1.5	8
41	An unpredicted ancient colonization of the West Indies by North American rodents: dental evidence of a geomorph from the early Oligocene of Puerto Rico. <i>Papers in Palaeontology</i> , 2021, 7, 2021-2039.	1.5	8
42	Recognition of a new nothrotheriid genus (Mammalia, Folivora) from the early late Miocene of Achiri (Bolivia) and the taxonomic status of the genus <i>Xyophorus</i> . <i>Historical Biology</i> , 2023, 35, 1041-1051.	1.4	8
43	Evolution of a Shallow Volcanic Arc Pluton During Arc Migration: A Tectono-Thermal Integrated Study of the St. Martin Granodiorites (Northern Lesser Antilles). <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009627.	2.5	7
44	Mise en Ã©vidence d'une discontinuitÃ© Ã©mersive majeure au sein de la plate-forme rÃ©gionale plio-pliocÃ©ne de l'avant-arc des Petites Antilles. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 617-624.	1.2	5
45	Elongated Giant Seabed Polygons and Underlying Polygonal Faults as Indicators of the Creep Deformation of Pliocene to Recent Sediments in the Grenada Basin, Caribbean Sea. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009809.	2.5	5
46	Deciphering the Cenozoic Exhumation History of the Eastern Pyrenees Along a Crustal-Scale Normal Fault Using Low-Temperature Thermochronology. <i>Tectonics</i> , 2022, 41, .	2.8	5
47	Direct dating of brittle extensional deformation contemporaneous of Neogene exhumation of the internal zones of the Rif Chain. <i>Tectonophysics</i> , 2021, 807, 228800.	2.2	2
48	⁴⁰ Ar/ ³⁹ Ar dating of high temperature geothermal systems: First attempt on hydrothermally altered pyroxenes from the Saintes archipelago (Lesser Antilles arc, Guadeloupe). <i>Chemical Geology</i> , 2021, 581, 120401.	3.3	2
49	Caribbean Plate Boundaries Control on the Tectonic Duality in the Back-Arc of the Lesser Antilles Subduction Zone During the Eocene. <i>Tectonics</i> , 2021, 40, .	2.8	2
50	Characterisation and potential economic interest of authigenic zeolites in continental sediments from NW Mexico. <i>Mineralium Deposita</i> , 1996, 31, 482-491.	4.1	1