

Arnaud Mazurier

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,857
citations

361045

20
h-index

264894

42
g-index

53
all docs

53
docs citations

53
times ranked

1639
citing authors

#	ARTICLE	IF	CITATIONS
1	Weathering of Viamão granodiorite, South Brazil: Part 1 – Clay minerals formation and increase in total porosity. <i>Geoderma</i> , 2022, 424, 115968.	2.3	2
2	The role of volcanic-derived clays in the preservation of Ediacaran biota from the Itajaí-Basin (ca. 520 Ma). <i>Journal of Metamorphic Geology</i> , 2021, 39, 102888.	1.6	10
3	Devonian agglutinated polychaete tubes: all in all it's just another grain in the wall. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211143.	1.2	2
4	To be or not to be: postcubital vein in insects revealed by microtomography. <i>Systematic Entomology</i> , 2020, 45, 327-336.	1.7	47
5	Hominin diversity in East Asia during the Middle Pleistocene: A premolar endostructural perspective. <i>Journal of Human Evolution</i> , 2020, 148, 102888.	1.3	11
6	Growth and development of the third permanent molar in <i>Paranthropus robustus</i> from Swartkrans, South Africa. <i>Scientific Reports</i> , 2020, 10, 19053.	1.6	7
7	Using X-ray microtomography to characterize the burrowing behaviour of earthworms in heterogeneously polluted soils. <i>Pedobiologia</i> , 2020, 83, 150671.	0.5	8
8	The Neanderthal mandible BD 1 from La Chaise-de-Vouthon Abri Bourgeois-Delaunay (Charente, France) shows endostructural asymmetry. <i>Paleo</i> , 2020, , 346-359.	0.1	2
9	A Neanderthal from the Central Western Zagros, Iran. Structural reassessment of the Wezmeh 1 maxillary premolar. <i>Journal of Human Evolution</i> , 2019, 135, 102643.	1.3	25
10	Collective behaviour in 480-million-year-old trilobite arthropods from Morocco. <i>Scientific Reports</i> , 2019, 9, 14941.	1.6	20
11	Structural analysis of premolar roots in Middle Pleistocene hominins from China. <i>Journal of Human Evolution</i> , 2019, 136, 102669.	1.3	13
12	Inner structural organization of the mandibular corpus in the late Early Pleistocene human specimens Tighenif 1 and Tighenif 2. <i>Comptes Rendus - Palevol</i> , 2019, 18, 1073-1082.	0.1	1
13	Digitization of Fossils from the Fezouata Biota (Lower Ordovician, Morocco): Evaluating Computed Tomography and Photogrammetry in Collection Enhancement. <i>Geoheritage</i> , 2019, 11, 1889-1901.	1.5	9
14	Dental macrowear and cortical bone distribution of the Neanderthal mandible from Regourdou (Dordogne, Southwestern France). <i>Journal of Human Evolution</i> , 2019, 132, 174-188.	1.3	17
15	Organism motility in an oxygenated shallow-marine environment 2.1 billion years ago. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3431-3436.	3.3	47
16	Micro-computed tomographic and SEM study of porous bioceramics using an adaptive method based on the mathematical morphological operations. <i>Heliyon</i> , 2019, 5, e02557.	1.4	7
17	Mesoscale Anisotropy in Porous Media Made of Clay Minerals. A Numerical Study Constrained by Experimental Data. <i>Materials</i> , 2018, 11, 1972.	1.3	10
18	First evidence of Ediacaran-Fortunian elliptical body fossils in the Brioverian series of Brittany, NW France. <i>Lethaia</i> , 2018, 51, 513-522.	0.6	8

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19	X-ray microtomography applied to fossils preserved in compression: Palaeoscolecoid worms from the Lower Ordovician Fezouata Shale. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2018, 508, 48-58.	1.0	12
20	A crystallographic study of crystalline casts and pseudomorphs from the 3.5 Ga Dresser Formation, Pilbara Craton (Australia). <i>Journal of Applied Crystallography</i> , 2018, 51, 1050-1058.	1.9	15
21	A morphometric mapping analysis of lower fourth deciduous premolar in hominoids: Implications for phylogenetic relationship between <i>Nakalipithecus</i> and <i>Ouranopithecus</i> . <i>Comptes Rendus - Palevol</i> , 2017, 16, 655-669.	0.1	4
22	Is the deciduous/permanent molar enamel thickness ratio a taxon-specific indicator in extant and extinct hominids?. <i>Comptes Rendus - Palevol</i> , 2017, 16, 702-714.	0.1	20
23	Development of a fracture network in crystalline rocks during weathering: Study of Bishop Creek chronosequence using X-ray computed tomography and ¹⁴ C-PMMA impregnation method. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1423-1438.	1.6	19
24	Effective porosity measurements of poorly consolidated materials using non-destructive methods. <i>Engineering Geology</i> , 2016, 205, 24-29.	2.9	10
25	Enamel thickness and enamel growth in <i>Oreopithecus</i> : Combining microtomographic and histological evidence. <i>Comptes Rendus - Palevol</i> , 2016, 15, 209-226.	0.1	26
26	Frontoparietal Bone in Extinct Palaeobatrachidae (Anura): Its Variation and Taxonomic Value. <i>Anatomical Record</i> , 2015, 298, 1848-1863.	0.8	8
27	Calibration of digital autoradiograph technique for quantifying rock porosity using ¹⁴ C-PMMA method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 11-23.	0.7	16
28	The 2.1 Ga Old Francevillian Biota: Biogenicity, Taphonomy and Biodiversity. <i>PLoS ONE</i> , 2014, 9, e99438.	1.1	53
29	Endostructural characterization of the Heidelbergensis dental remains from the early Middle Pleistocene site of Tighenif, Algeria. <i>Comptes Rendus - Palevol</i> , 2013, 12, 293-304.	0.1	57
30	From outer to inner structural morphology in dental anthropology: integration of the third dimension in the visualization and quantitative analysis of fossil remains. , 2013, , 250-277.		29
31	In-situ interaction of cement paste and shotcrete with claystones in a deep disposal context. <i>Numerische Mathematik</i> , 2012, 312, 314-356.	0.7	42
32	A Neanderthal partial femoral diaphysis from the grotte de la Tour, La Chaise-de-Vouthon (Charente). <i>Journal of Human Evolution</i> , 2012, 62, 581-593.	0.1	24
33	Brief communication: Two human fossil deciduous molars from the Sangiran dome (Java, Indonesia): Outer and inner morphology. <i>American Journal of Physical Anthropology</i> , 2012, 147, 472-481.	2.1	37
34	Technical note: Morphometric maps of long bone shafts and dental roots for imaging topographic thickness variation. <i>American Journal of Physical Anthropology</i> , 2010, 142, 328-334.	2.1	56
35	Vertebral microanatomy in squamates: structure, growth and ecological correlates. <i>Journal of Anatomy</i> , 2010, 217, 715-727.	0.9	38
36	Large colonial organisms with coordinated growth in oxygenated environments 2.1 Ga ago. <i>Nature</i> , 2010, 466, 100-104.	13.7	235

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37	Dental maturational sequence and dental tissue proportions in the early Upper Paleolithic child from Abrigo do Lagar Velho, Portugal. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1338-1342.	3.3	78
38	The earliest remains of a Citrus fruit from a western Mediterranean archaeological context? A microtomographic-based re-assessment. Comptes Rendus - Palevol, 2010, 9, 277-282.	0.1	18
39	The inner structural variation of the primate tibial plateau characterized by high-resolution microtomography. Implications for the reconstruction of fossil locomotor behaviours. Comptes Rendus - Palevol, 2010, 9, 349-359.	0.1	24
40	<i>Ouranopithecus macedoniensis</i> (Mammalia, Primates, Hominoidea): virtual reconstruction and 3D analysis of a juvenile mandibular dentition (RPI-82 and RPI-83). Geodiversitas, 2009, 31, 851-863.	0.2	21
41	Dental developmental pattern of the Neanderthal child from Roc de Marsal: a high-resolution 3D analysis. Journal of Human Evolution, 2009, 56, 66-75.	1.3	66
42	Brief communication: High-resolution assessment of the dental developmental pattern and characterization of tooth tissue proportions in the late Upper Paleolithic child from La Madeleine, France. American Journal of Physical Anthropology, 2009, 138, 493-498.	2.1	41
43	Dental tissue proportions and enamel thickness in Neandertal and modern human molars. Journal of Human Evolution, 2008, 55, 12-23.	1.3	148
44	A new Late Miocene great ape from Kenya and its implications for the origins of African great apes and humans. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19220-19225.	3.3	167
45	How Neanderthal molar teeth grew. Nature, 2006, 444, 748-751.	13.7	276
46	Improved noninvasive microstructural analysis of fossil tissues by means of SR-microtomography. Applied Physics A: Materials Science and Processing, 2006, 83, 229-233.	1.1	42
47	The oldest human remains from the Beagle Channel region, Tierra del Fuego. International Journal of Osteoarchaeology, 2006, 16, 328-337.	0.6	7
48	Virtual dentitions: touching the hidden evidence. , 0, , 426-448.		20