

Arnaud Mazurier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8088004/publications.pdf>

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	How Neanderthal molar teeth grew. <i>Nature</i> , 2006, 444, 748-751.	13.7	276
2	Large colonial organisms with coordinated growth in oxygenated environments 2.1â€‰Gyr ago. <i>Nature</i> , 2010, 466, 100-104.	13.7	235
3	A new Late Miocene great ape from Kenya and its implications for the origins of African great apes and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19220-19225.	3.3	167
4	Dental tissue proportions and enamel thickness in Neanderthal and modern human molars. <i>Journal of Human Evolution</i> , 2008, 55, 12-23.	1.3	148
5	Dental maturational sequence and dental tissue proportions in the early Upper Paleolithic child from Abrigo do Lagar Velho, Portugal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1338-1342.	3.3	78
6	Dental developmental pattern of the Neanderthal child from Roc de Marsal: a high-resolution 3D analysis. <i>Journal of Human Evolution</i> , 2009, 56, 66-75.	1.3	66
7	Endostructural characterization of the H.Âheidelbergensis dental remains from the early Middle Pleistocene site of Tighenif, Algeria. <i>Comptes Rendus - Palevol</i> , 2013, 12, 293-304.	0.1	57
8	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
9	The 2.1 Ga Old Francevillian Biota: Biogenicity, Taphonomy and Biodiversity. <i>PLoS ONE</i> , 2014, 9, e99438.	1.1	53
10	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
11	To be or not to be: postcubital vein in insects revealed by microtomography. <i>Systematic Entomology</i> , 2020, 45, 327-336.	1.7	47
12	Improved noninvasive microstructural analysis of fossil tissues by means of SR-microtomography. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 229-233.	1.1	42
13	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
14	Brief communication: Highâ€res resolution assessment of the dental developmental pattern and characterization of tooth tissue proportions in the late Upper Paleolithic child from La Madeleine, France. <i>American Journal of Physical Anthropology</i> , 2009, 138, 493-498.	2.1	41
15	Vertebral microanatomy in squamates: structure, growth and ecological correlates. <i>Journal of Anatomy</i> , 2010, 217, 715-727.	0.9	38
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	The inner structural variation of the primate tibial plateau characterized by high-resolution microtomography. Implications for the reconstruction of fossil locomotor behaviours. <i>Comptes Rendus - Palevol</i> , 2010, 9, 349-359.	0.1	24
21	A Neanderthal partial femoral diaphysis from the "grotte de la Tour", La Chaise-de-Vouthon (Charente). <i>Tj ETQq1 1 0.784314 rgB</i> 581-593.	0.1	24
22	<i>Ouranopithecus macedoniensis</i> (Mammalia, Primates, Hominoidea): virtual reconstruction and 3D analysis of a juvenile mandibular dentition (RPI-82 and RPI-83). <i>Geodiversitas</i> , 2009, 31, 851-863.	0.2	21
23	Virtual dentitions: touching the hidden evidence. , 0, , 426-448.		20
24	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
25	Collective behaviour in 480-million-year-old trilobite arthropods from Morocco. <i>Scientific Reports</i> , 2019, 9, 14941.	1.6	20
26	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
27	The earliest remains of a Citrus fruit from a western Mediterranean archaeological context? A microtomographic-based re-assessment. <i>Comptes Rendus - Palevol</i> , 2010, 9, 277-282.	0.1	18
28	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
29	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
30	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
31	Structural analysis of premolar roots in Middle Pleistocene hominins from China. <i>Journal of Human Evolution</i> , 2019, 136, 102669.	1.3	13
32	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
33	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
34	Effective porosity measurements of poorly consolidated materials using non-destructive methods. <i>Engineering Geology</i> , 2016, 205, 24-29.	2.9	10
35	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
36	The role of volcanic-derived clays in the preservation of Ediacaran biota from the Itajaí-Basin (ca.) <i>Tj ETQq0 0 0 rgB</i> /Overlock 10 Tf 50	1.6	10

#	ARTICLE	IF	CITATIONS
37	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
38	Frontoparietal Bone in Extinct Palaeobatrachidae (Anura): Its Variation and Taxonomic Value. <i>Anatomical Record</i> , 2015, 298, 1848-1863.	0.8	8
39	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
40	Using X-ray microtomography to characterize the burrowing behaviour of earthworms in heterogeneously polluted soils. <i>Pedobiologia</i> , 2020, 83, 150671.	0.5	8
41	The oldest human remains from the Beagle Channel region, Tierra del Fuego. <i>International Journal of Osteoarchaeology</i> , 2006, 16, 328-337.	0.6	7
42	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
43	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
44	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
45	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
46	The Neanderthal mandible BD 1 from La Chaise-de-Vouthon Abri Bourgeois-Delaunay (Charente,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 endostructural asymmetry. <i>Paleo</i> , 2020, , 346-359.	0.1	2
47	Weathering of ViamÃ£o granodiorite, South Brazil: Part 1 â€“ Clay minerals formation and increase in total porosity. <i>Geoderma</i> , 2022, 424, 115968.	2.3	2
48	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