Mathieu Duval

List of Publications by Year
in descending order

95 papers	3,485 citations	117625 34 h-index	149698 56 g-index
103 all docs	103 docs citations	103 times ranked	2403 citing authors

#	Article	IF	Citations
1	Investigating the resetting of IRSL signals in beach cobbles and their potential for rock surface dating of marine terraces in Northern Chile. Marine Geology, 2022, 443, 106692.	2.1	3
2	Speleological and environmental history of Lida Ajer cave, western Sumatra. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200494.	4.0	12
3	ESR and OSL dating of fossil-bearing deposits from Naracoorte Cave Complex palaeontological sites, south Australia. Quaternary Geochronology, 2022, 69, 101270.	1.4	7
4	ESR dating of optically bleached quartz grains from Plio-Pleistocene to Holocene coastal dune deposits (Wilderness-Knysna area, South Africa): a comparison with luminescence. Quaternary Geochronology, 2022, 70, 101293.	1.4	4
5	Quibas-Sima: A unique 1Âma-old vertebrate succession in southern Iberian Peninsula. Quaternary Science Reviews, 2022, 283, 107469.	3.0	6
6	New chronological constraints for the lowermost stratigraphic unit of Atapuerca Gran Dolina (Burgos, N Spain). Quaternary Geochronology, 2022, 71, 101292.	1.4	18
7	Examining sediment infill dynamics at Naracoorte cave megafauna sites using multiple luminescence dating signals. Quaternary Geochronology, 2022, 70, 101301.	1.4	12
8	ESR dating of quartz grains: Evaluating the performance of various cryogenic systems for dosimetric purpose. Radiation Measurements, 2022, 155, 106802.	1.4	2
9	Los Villares locality (Ruidera, Castilla-La Mancha, Spain): a new Middle Pleistocene fossil assemblage from the Southern Iberian Plateau with possible evidence of human activity. Cuaternario Y Geomorfologia, 2022, 36, 7-35.	0.2	0
10	Early human occupations in NW Iberia: The archaeological record of the Lower MiÃ±o basin during the second half of the Middle Pleistocene. Comptes Rendus - Palevol, 2021, , .	0.2	0
11	The place beyond the trees: renewed excavations of the Middle Stone Age deposits at Olieboomspoort in the Waterberg Mountains of the South African Savanna Biome. Archaeological and Anthropological Sciences, 2021, 13, 1.	1.8	13
12	First Chronological Constraints for the High Terraces of the Upper Ebro Catchment. Quaternary, 2021, 4, 25.	2.0	8
13	Multiple hominin dispersals into Southwest Asia over the past 400,000 years. Nature, 2021, 597, 376-380.	27.8	54
14	Taxonomy, taphonomy and chronology of the Pleistocene faunal assemblage at Ngalau Gupin cave, Sumatra. Quaternary International, 2021, 603, 40-63.	1.5	14
15	The Plio-Pleistocene sequence of Oued Boucherit (Algeria): A unique chronologically-constrained archaeological and palaeontological record in North Africa. Quaternary Science Reviews, 2021, 271, 107116.	3.0	17
16	ESR Dating of Optically Bleached Quartz Grains: Assessing the Impact of Different Experimental Setups on Dose Evaluations. Geochronometria, 2021, 48, 179-190.	0.8	3
17	New Chronological Constraints for the Late Pleistocene Fossil Assemblage and Associated Breccia from Ngalau Sampit, Sumatra. Open Quaternary, 2021, 7, .	1.0	3
18	Contexto crono-estratigrÃ¡fico y cultural del conjunto lÃtico de Base Menacho (cuenca del rÃo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.2	3

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19	Direct U-series dating of the Apidima C human remains. Words, Bones, Genes, Tools, 2021, , 37-55.	0.0	0
20	ESR and ESR/U-series chronology of the Middle Pleistocene site of Tourville-la-RiviÃ¨re (Normandy,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	10
21	Cueva Negra del Estrecho del RÃo QuÃpar: a Dated Late Early Pleistocene Palaeolithic Site in Southeastern Spain. Journal of Paleolithic Archaeology, 2020, 3, 816-855.	1.7	17
22	Human footprints provide snapshot of last interglacial ecology in the Arabian interior. Science Advances, 2020, 6, .	10.3	34
23	Comparing depositional modes of cave sediments using magnetic anisotropy. Journal of Archaeological Science, 2020, 123, 105241.	2.4	5
24	The Acheulean Technocomplex of the Iberian Atlantic Margin as an Example of Technology Continuity Through the Middle Pleistocene. Journal of Paleolithic Archaeology, 2020, 3, 918-943.	1.7	11
25	A multi-technique dating study of two Lower Palaeolithic sites from the Cher Valley (Middle Loire) Tj ETQq1 1 0.784314 rgBT /Overloc 556, 79-95.	1.5	12
26	Insights into the relationship between luminescence and ESR dating signals from Spanish sedimentary quartz samples of different geologic origins. Quaternary International, 2020, 556, 165-179.	1.5	11
27	Refining the chronology of Acheulean deposits at Porto Maior in the River MiÃ±o basin (Galicia, Spain) using a comparative luminescence and ESR dating approach. Quaternary International, 2020, 556, 96-112.	1.5	25
28	Testing the potential of K-feldspar pIR-IRSL and quartz ESR for dating coastal alluvial fan complexes in arid environments. Quaternary International, 2020, 556, 124-143.	1.5	18
29	A multidisciplinary overview of the lower MiÃ±o River terrace system (NW Iberian Peninsula). Quaternary International, 2020, 566-567, 57-77.	1.5	8
30	A multidisciplinary overview of the lower MiÃ±o River terrace system (NW Iberian Peninsula): A response to comments by Viveen et al. (2020). Quaternary International, 2020, 565, 129-135.	1.5	0
31	First chronostratigraphic framework of fluvial terrace systems in the eastern Cantabrian margin (Bay) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	15
32	Insights into the late stages of the Acheulean technocomplex of Western Iberia from the Arbo site (Galicia, Spain). Journal of Archaeological Science: Reports, 2019, 27, 101934.	0.5	8
33	First experimental evaluation of the alpha efficiency in coarse-grained quartz for ESR dating purposes: implications for dose rate evaluation. Scientific Reports, 2019, 9, 19769.	3.3	6
34	ESR dating of Middle Pleistocene archaeo-paleontological sites from the Manzanares and Jarama river valleys (Madrid basin, Spain). Quaternary International, 2019, 520, 23-38.	1.5	27
35	Single-grain TT-OSL dating results confirm an Early Pleistocene age for the lower Moulouya River deposits (NE Morocco). Quaternary Geochronology, 2019, 49, 138-145.	1.4	20
36	ESR dating of fossil teeth: In which extent the thickness of adjacent tissues should be taken into account in the external beta dose rate evaluation?. Geochronometria, 2019, 46, 102-110.	0.8	4

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37	El yacimiento achelense de as GÃ¡ndaras de BudiÃ±o: sÃntesis y perspectivas despuÃ©s de 50 aÃ±os de desencuentros. Estudos Do Quaternario, 2019, , 1-22.	0.3	1
38	Stratigraphy and chronology of Pleistocene coastal deposits in northern Aquitaine, France: a reinvestigation. Quaternaire, 2019, , 275-303.	0.2	4
39	First evidence of an extensive Acheulean large cutting tool accumulation in Europe from Porto Maior (Galicia, Spain). Scientific Reports, 2018, 8, 3082.	3.3	54
40	Chronology of the cave interior sediments at Gran Dolina archaeological site, Atapuerca (Spain). Quaternary Science Reviews, 2018, 186, 1-16.	3.0	44
41	Homo sapiens in Arabia by 85,000 years ago. Nature Ecology and Evolution, 2018, 2, 800-809.	7.8	143
42	The earliest modern humans outside Africa. Science, 2018, 359, 456-459.	12.6	373
43	MCDoseE 2.0 A new Markov Chain Monte Carlo program for ESR dose response curve fitting and dose evaluation. Quaternary Geochronology, 2018, 44, 13-22.	1.4	13
44	The first direct ESR dating of a hominin tooth from Atapuerca Gran Dolina TD-6 (Spain) supports the antiquity of Homo antecessor. Quaternary Geochronology, 2018, 47, 120-137.	1.4	48
45	Successful combination of electron spin resonance, luminescence and palaeomagnetic dating methods allows reconstruction of the Pleistocene evolution of the lower Moulouya river (NE) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.6	36
46	1.9-million- and 2.4-million-year-old artifacts and stone toolâ€“cutmarked bones from Ain Boucherit, Algeria. Science, 2018, 362, 1297-1301.	12.6	115
47	Response to Comment on â€œThe earliest modern humans outside Africaâ€• Science, 2018, 362, .	12.6	8
48	Deciphering long-term coastal dynamics using IR-RF and ESR dating: a case study from MÃ©doc, south-west France. Quaternary Geochronology, 2018, 48, 108-120.	1.4	16
49	Sobre el potencial de la Resonancia ParamagnÃ©tica ElectrÃ³nica como herramienta geocronolÃ³gica en contextos geoarqueolÃ³gicos: un resumen de 30 aÃ±os de investigaciÃ³n en la PenÃnsula IbÃ©rica.. Boletin Geologico Y Minero, 2018, 1129, 35-57.	0.1	0
50	Quantifying the impact of ÂµCTâ€scanning of human fossil teeth on ESR age results. American Journal of Physical Anthropology, 2017, 163, 205-212.	2.1	15
51	Electron spin resonance dating of optically bleached quartz grains from the Middle Palaeolithic site of Cuesta de la Bajada (Spain) using the multiple centres approach. Quaternary Geochronology, 2017, 37, 82-96.	1.4	71
52	Revealing the pace of river landscape evolution during the Quaternary: recent developments in numerical dating methods. Quaternary Science Reviews, 2017, 166, 91-113.	3.0	62
53	The age of Homo naledi and associated sediments in the Rising Star Cave, SouthÂAfrica. ELife, 2017, 6, .	6.0	214
54	The early pleistocene site of la Terre-des-Sablons at Lunery-RosiÃ¨res (Cher department, Centre region,) Tj ETQq0 0 0 rgBT /Overlock 10	0.2	10

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55	Datation par ESR de grains de quartz extraits de sÃ©diments: quelques recommandations pour un prÃ©lÃ¨vement optimal. Quaternaire, 2017, , 161-166.	0.2	8
56	Electron Spin Resonance (ESR) in Archaeological Context. Encyclopedia of Earth Sciences Series, 2017, , 224-233.	0.1	0
57	Middle Pleistocene vertebrate fossils from the Nefud Desert, Saudi Arabia: Implications for biogeography and palaeoecology. Quaternary Science Reviews, 2016, 143, 13-36.	3.0	35
58	The effect of grain size on carbonate contaminant removal from tooth enamel: Towards an improved pretreatment for radiocarbon dating. Quaternary Geochronology, 2016, 36, 174-187.	1.4	13
59	OSL dating of individual quartz â€˜supergrainsâ€™ from the Ancient Middle Palaeolithic site of Cuesta de la Bajada, Spain. Quaternary Geochronology, 2016, 36, 78-101.	1.4	47
60	Age and context of the oldest known hominin fossils from Flores. Nature, 2016, 534, 249-253.	27.8	88
61	Comments on â€œESR dating of the Majuangou and Banshan Paleolithic sites in the Nihewan Basin, North Chinaâ€• by Liu etÂ al. (2014). Journal of Human Evolution, 2016, 90, 198-202.	2.6	4
62	Dating the Earliest Pleistocene alluvial terrace of the Alcanadre River (Ebro Basin, NE Spain): Insights into the landscape evolution and involved processes. Quaternary International, 2016, 407, 86-95.	1.5	29
63	Are published ESR dose assessments on fossil tooth enamel reliable?. Quaternary Geochronology, 2016, 31, 19-27.	1.4	50
64	On the fallacy of using orthogenetic models of rectilinear change in arvicolid teeth for estimating the age of the first human settlements in Western Europe. Historical Biology, 2016, 28, 734-752.	1.4	12
65	Evaluating the Potential of Q-Band ESR Spectroscopy for Dose Reconstruction of Fossil Tooth Enamel. PLoS ONE, 2016, 11, e0150346.	2.5	7
66	Revisiting the ESR chronology of the Early Pleistocene hominin occupation at VallparadÃs (Barcelona,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	43
67	Assessing the uncertainty on particle size and shape: Implications for ESR and OSL dating of quartz and feldspar grains. Radiation Measurements, 2015, 81, 116-122.	1.4	9
68	Evaluating the accuracy of ESR dose determination of pseudo-Early Pleistocene fossil tooth enamel samples using dose recovery tests. Radiation Measurements, 2015, 79, 24-32.	1.4	11
69	On the interest of using the multiple center approach in ESR dating of optically bleached quartz grains: Some examples from the Early Pleistocene terraces of the Alcanadre River (Ebro basin, Spain). Quaternary Geochronology, 2015, 29, 58-69.	1.4	51
70	New magnetostratigraphic and numerical age of the Fuente Nueva-3 site (Guadix-Baza basin, Spain). Quaternary International, 2015, 389, 224-234.	1.5	28
71	Comparing two different Early Pleistocene microfaunal sequences from the caves of Atapuerca, Sima del Elefante and Gran Dolina (Spain): Biochronological implications and significance of the Jaramillo subchron. Quaternary International, 2015, 389, 148-158.	1.5	39
72	ESR dosimetry of optically bleached quartz grains extracted from Plio-Quaternary sediment: Evaluating some key aspects of the ESR signals associated to the Ti-centers. Radiation Measurements, 2015, 78, 28-41.	1.4	78

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73	Electron Spin Resonance (ESR) Dating of Fossil Tooth Enamel. Encyclopedia of Earth Sciences Series, 2015, , 239-246.	0.1	7
74	ESR/U-series dating of fossil teeth: a useful tool to estimate the reworking state of the archaeological layers?. Quaternaire, 2015, , 213-225.	0.2	8
75	Middle Pleistocene Human Remains from Tourville-la-RiviÃ¨re (Normandy, France) and Their Archaeological Context. PLoS ONE, 2014, 9, e104111.	2.5	16
76	The Middle Paleolithic site of Cuesta de la Bajada (Teruel, Spain): a perspective on the Acheulean and Middle Paleolithic technocomplexes in Europe. Journal of Archaeological Science, 2014, 49, 556-571.	2.4	55
77	Reassessing the age of Atapuerca-TD6 (Spain): new paleomagnetic results. Journal of Archaeological Science, 2013, 40, 4586-4595.	2.4	96
78	Field gamma dose-rate assessment in natural sedimentary contexts using LaBr3(Ce) and NaI(Tl) probes: A comparison between the â€œthresholdâ€•and â€œwindowsâ€•techniques. Applied Radiation and Isotopes, 2013, 74, 36-45.	1.5	49
79	The oldest human fossil in Europe, from Orce (Spain). Journal of Human Evolution, 2013, 65, 1-9.	2.6	231
80	New views on an old move: Hominin migration into Eurasia. Quaternary International, 2013, 295, 5-12.	1.5	37
81	ESR dosimetry of fossil enamel: some comments about measurement precision, long-term signal fading and dose-response curve fitting. Radiation Protection Dosimetry, 2013, 157, 463-476.	0.8	15
82	Electron Spin Resonance Dating of Fossil Tooth Enamel. , 2013, , 1-11.		1
83	Age of the oldest hominin settlements in Spain: Contribution of the combined U-series/ESR dating method applied to fossil teeth. Quaternary Geochronology, 2012, 10, 412-417.	1.4	75
84	ESR chronology of alluvial deposits in the ArlanzÃ³n valley (Atapuerca, Spain): Contemporaneity with Atapuerca Gran Dolina site. Quaternary Geochronology, 2012, 10, 418-423.	1.4	78
85	Portable gamma spectrometry with cerium-doped lanthanum bromide scintillators: Suitability assessments for luminescence and electron spin resonance dating applications. Radiation Measurements, 2012, 47, 6-18.	1.4	61
86	On the limits of using combined U-series/ESR method to date fossil teeth from two Early Pleistocene archaeological sites of the Orce area (Guadix-Baza basin, Spain). Quaternary Research, 2012, 77, 482-491.	1.7	98
87	High resolution LA-ICP-MS mapping of U and Th isotopes in an early Pleistocene equid tooth from Fuente Nueva-3 (Orce, Andalusia, Spain). Quaternary Geochronology, 2011, 6, 458-467.	1.4	61
88	The challenge of dating early pleistocene fossil teeth by the combined uranium seriesâ€“electron spin resonance method: the Venta Micena palaeontological site (Orce, Spain). Journal of Quaternary Science, 2011, 26, 603-615.	2.1	49
89	DataciÃ³n por <i>ESR</i> del yacimiento arqueolÃ³gico del Pleistoceno inferior de VallparadÃs (Terrassa, CataluÃ±a, EspaÃ±a). Trabajos De Prehistoria, 2011, 68, 7-24.	0.7	45
90	A new Lower Pleistocene archeological site in Europe (VallparadÃs, Barcelona, Spain). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5762-5767.	7.1	115

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91	The challenge of direct dating old human fossils. Quaternary International, 2010, 223-224, 87-93.	1.5	47
92	A 300â€“600ka ESR/U-series chronology of Acheulian sites in Western Europe. Quaternary International, 2010, 223-224, 293-298.	1.5	39
93	Effect of deposit alterations on the dating of herbivorous teeth from Arago cave by the ESRâ€“U-series method. Quaternary Geochronology, 2010, 5, 376-380.	1.4	6
94	ESR dating of Lower Pleistocene fossil teeth: Limits of the single saturating exponential (SSE) function for the equivalent dose determination. Radiation Measurements, 2009, 44, 477-482.	1.4	72
95	Direct ESR dating of the Pleistocene vertebrate assemblage from Khok Sung locality, Nakhon Ratchasima Province, Northeast Thailand. Palaeontologia Electronica, 0, , .	0.9	13