Eric M Roberts

List of Publications by Year
in descending order

91 papers	3,592 citations	172457 29 h-index	149698 56 g-index
94 all docs	94 docs citations	94 times ranked	2968 citing authors

#	Article	IF	Citations
1	Initiation of the western branch of the East African Rift coeval with the eastern branch. Nature Geoscience, 2012, 5, 289-294.	12.9	260
2	The age of Homo naledi and associated sediments in the Rising Star Cave, SouthÂAfrica. ELife, 2017, 6, .	6.0	214
3	Palaeontological evidence for an Oligocene divergence between Old World monkeys and apes. Nature, 2013, 497, 611-614.	27.8	180
4	MKED1: A new titanite standard for in situ analysis of Smâ€“Nd isotopes and Uâ€“Pb geochronology. Chemical Geology, 2016, 425, 110-126.	3.3	153
5	Detrital zircon age constraints for the Winton Formation, Queensland: Contextualizing Australia's Late Cretaceous dinosaur faunas. Gondwana Research, 2013, 24, 767-779.	6.0	146
6	New Horned Dinosaurs from Utah Provide Evidence for Intracontinental Dinosaur Endemism. PLoS ONE, 2010, 5, e12292.	2.5	143
7	The evolution of mammal-like crocodyliforms in the Cretaceous Period of Gondwana. Nature, 2010, 466, 748-751.	27.8	114
8	Geological and taphonomic context for the new hominin species Homo naledi from the Dinaledi Chamber, South Africa. ELife, 2015, 4, .	6.0	114
9	Facies architecture and depositional environments of the Upper Cretaceous Kaiparowits Formation, southern Utah. Sedimentary Geology, 2007, 197, 207-233.	2.1	113
10	New fossil remains of Homo naledi from the Lesedi Chamber, South Africa. ELife, 2017, 6, .	6.0	106
11	CONTINENTAL INSECT BORINGS IN DINOSAUR BONE: EXAMPLES FROM THE LATE CRETACEOUS OF MADAGASCAR AND UTAH. Journal of Paleontology, 2007, 81, 201-208.	0.8	105
12	40Ar/39Ar age of the Kaiparowits Formation, southern Utah, and correlation of contemporaneous Campanian strata and vertebrate faunas along the margin of the Western Interior Basin. Cretaceous Research, 2005, 26, 307-318.	1.4	92
13	Criteria for identifying bone modification by termites in the fossil record. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 337-338, 72-87.	2.3	87
14	Biogeography of terrestrial and freshwater vertebrates from the late Cretaceous (Campanian) Western Interior of North America. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 291, 371-387.	2.3	82
15	A new tyrannosaur with evidence for anagenesis and crocodile-like facial sensory system. Scientific Reports, 2017, 7, 44942.	3.3	81
16	Sedimentology and depositional environments of the Red Sandstone Group, Rukwa Rift Basin, southwestern Tanzania: New insight into Cretaceous and Paleogene terrestrial ecosystems and tectonics in sub-equatorial Africa. Journal of African Earth Sciences, 2010, 57, 179-212.	2.0	76
17	Embryology of Early Jurassic dinosaur from China with evidence of preserved organic remains. Nature, 2013, 496, 210-214.	27.8	74
18	New 40Ar-39Ar and detrital zircon U-Pb ages for the Upper Cretaceous Wahweap and Kaiparowits formations on the Kaiparowits Plateau, Utah: implications for regional correlation, provenance, and biostratigraphy. Cretaceous Research, 2009, 30, 287-299.	1.4	65

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19	Oligocene Termite Nests with In Situ Fungus Gardens from the Rukwa Rift Basin, Tanzania, Support a Paleogene African Origin for Insect Agriculture. PLoS ONE, 2016, 11, e0156847.	2.5	65
20	Revised stratigraphy and age of the Red Sandstone Group in the Rukwa Rift Basin, Tanzania. Cretaceous Research, 2004, 25, 749-759.	1.4	53
21	A dyrosaurid crocodyliform braincase from Mali. Journal of Paleontology, 2002, 76, 1060-1071.	0.8	52
22	Oldest known dinosaurian nesting site and reproductive biology of the Early Jurassic sauropodomorphMassospondylus. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2428-2433.	7.1	52
23	Bivalve Borings in Phosphatic Coprolites and Bone, Cretaceous-Paleogene, Northeastern Mali. Palaios, 2004, 19, 565-573.	1.3	51
24	The basal titanosaurianRukwatitan bisepultus(Dinosauria, Sauropoda) from the middle Cretaceous Galula Formation, Rukwa Rift Basin, southwestern Tanzania. Journal of Vertebrate Paleontology, 2014, 34, 1133-1154.	1.0	45
25	Large igneous province or long-lived magmatic arc along the eastern margin of Australia during the Cretaceous? Insights from the sedimentary record. Bulletin of the Geological Society of America, 2016, 128, 1461-1480.	3.3	45
26	A new vertebrate fauna from the Cretaceous Red Sandstone Group, Rukwa Rift Basin, Southwestern Tanzania. Journal of African Earth Sciences, 2006, 44, 277-288.	2.0	44
27	First Mesozoic Record of the StingrayMyliobatis wurnoensisfrom Mali and a Phylogenetic Analysis of Myliobatidae Incorporating Dental Characters. Acta Palaeontologica Polonica, 2010, 55, 655-674.	0.4	44
28	A DYROSAURID CROCODYLIFORM BRAINCASE FROM MALI. Journal of Paleontology, 2002, 76, 1060-1071.	0.8	40
29	Titanosaurian (Dinosauria: Sauropoda) remains from the â€œContinental Intercalaireâ€•of Mali. Journal of Vertebrate Paleontology, 2004, 24, 923-930.	1.0	31
30	METAPHIOMYS (RODENTIA: PHIOMYIDAE) FROM THE PALEOGENE OF SOUTHWESTERN TANZANIA. Journal of Paleontology, 2006, 80, 407-410.	0.8	30
31	Dyrosaurid (Crocodyliformes: Mesoeucrocodylia) Fossils from the Upper Cretaceous and Paleogene of Mali: Implications for Phylogeny and Survivorship across the K/T Boundary. American Museum Novitates, 2008, 3631, 1.	0.6	30
32	The Earliest Evidence of Holometabolan Insect Pupation in Conifer Wood. PLoS ONE, 2012, 7, e31668.	2.5	29
33	The second titanosaurian (Dinosauria: Sauropoda) from the middle Cretaceous Galula Formation, southwestern Tanzania, with remarks on African titanosaurian diversity. Journal of Vertebrate Paleontology, 2017, 37, e1343250.	1.0	29
34	Facies Associations, Paleoenvironment, and Base-Level Changes in the Upper Cretaceous Wahweap Formation, Utah, U.S.A.. Journal of Sedimentary Research, 2011, 81, 266-283.	1.6	27
35	An anthropoid primate humerus from the Rukwa Rift Basin, Paleogene of southwestern Tanzania. Journal of Vertebrate Paleontology, 2005, 25, 986-989.	1.0	26
36	A NEW SOCIAL INSECT NEST FROM THE UPPER CRETACEOUS KAIPAROWITS FORMATION OF SOUTHERN UTAH. Journal of Paleontology, 2006, 80, 768-774.	0.8	26

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37	A new freshwater crab (Decapoda: Brachyura: Potamonautidae) from the Paleogene of Tanzania, Africa. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 2007, 244, 71-78.	0.4	26
38	Phosphate Taphonomy of Bone and Coprolite Conglomerates: A Case Study from the Eocene of Mali, NW Africa. Palaios, 2008, 23, 139-152.	1.3	24
39	Novel insect traces on a dinosaur skeleton from the Lower Jurassic Lufeng Formation of China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 388, 58-68.	2.3	24
40	Stratigraphy and vertebrate paleoecology of Upper Cretaceousâ€“?lowest Paleogene strata on Vega Island, Antarctica. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 402, 55-72.	2.3	24
41	The earliest fossil evidence of bone boring by terrestrial invertebrates, examples from China and South Africa. Historical Biology, 2016, 28, 1108-1117.	1.4	23
42	Investigating the stratigraphy and palaeoenvironments for a suite of newly discovered mid-Cretaceous vertebrate fossil-localities in the Winton Formation, Queensland, Australia. Sedimentary Geology, 2017, 358, 210-229.	2.1	22
43	Taphonomy of a Petrified Forest in the Two Medicine Formation (Campanian), Northwest Montana: Implications for Palinspastic Restoration of the Boulder Batholith and Elkhorn Mountains Volcanics. Palaios, 2000, 15, 476-482.	1.3	21
44	Refined age and geological context of two of Australiaâ€™s most important Jurassic vertebrate taxa (Rhoetosaurus brownei and Siderops kehli), Queensland. Gondwana Research, 2019, 76, 19-25.	6.0	20
45	Kahawamys mbeyaensis (n. gen., n. sp.) (Rodentia: Thryonomyoidea) from the late Oligocene Rukwa Rift Basin, Tanzania. Journal of Vertebrate Paleontology, 2009, 29, 631-634.	1.0	19
46	The earliest record of the endemic African frog family Ptychadenidae from the Oligocene Nsungwe Formation of Tanzania. Journal of Vertebrate Paleontology, 2015, 35, e907174.	1.0	19
47	Using 10Be cosmogenic isotopes to estimate erosion rates and landscape changes during the Plio-Pleistocene in the Cradle of Humankind, South Africa. Journal of Human Evolution, 2016, 96, 19-34.	2.6	19
48	Application of Uâ€“Pb detrital zircon geochronology to drill cuttings for age control in hydrocarbon exploration wells: A case study from the Rukwa Rift Basin, Tanzania. AAPG Bulletin, 2017, 101, 143-159.	1.5	19
49	A hyracoid from the Late Oligocene Red Sandstone Group of Tanzania,Rukwalorax jinokitana(gen. and) Tj ETQq1 1 0.784314 rgBT /Ov	1.0	18
50	New sedimentary structures in seismites from SW Tanzania: Evaluating gas- vs. water-escape mechanisms of soft-sediment deformation. Sedimentary Geology, 2016, 344, 253-262.	2.1	18
51	Dinosaur eggshell from the Red Sandstone Group of Tanzania. Journal of Vertebrate Paleontology, 2004, 24, 494-497.	1.0	16
52	Malian Paenungulata (Mammalia: Placentalia): new African afrotheres from the early Eocene. Journal of Vertebrate Paleontology, 2006, 26, 981-988.	1.0	16
53	Interplay of Structural, Climatic, and Volcanic Controls On Late Quaternary Lacustrineâ€“Deltaic Sedimentation Patterns In the Western Branch of the East African Rift System, Rukwa Rift Basin, Tanzania. Journal of Sedimentary Research, 2016, 86, 1179-1207.	1.6	16
54	Giant Seismites and Megablock Uplift in the East African Rift: Evidence for Late Pleistocene Large Magnitude Earthquakes. PLoS ONE, 2015, 10, e0129051.	2.5	15

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55	U-Pb detrital zircon constraints on the depositional age and provenance of the dinosaur-bearing Upper Cretaceous Wadi Milk formation of Sudan. Cretaceous Research, 2019, 97, 52-72.	1.4	15
56	Paleontological Exploration in Africa. , 2008, , 159-180.		15
57	Stratigraphy and Paleobiology of the Upper Cretaceous-Lower Paleogene Sediments from the Trans-Saharan Seaway in Mali. Bulletin of the American Museum of Natural History, 2019, 2019, 1.	3.4	15
58	An extensive deposit of fossil conifer wood from the Mesozoic of Mali, southern Sahara. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 186, 115-126.	2.3	14
59	Taphonomy and Sedimentology of Storm-Generated Continental Shell Beds: A Case Example from the Cretaceous Western Interior Basin. Journal of Geology, 2008, 116, 462-479.	1.4	14
60	Late Jurassic-Cretaceous fluvial evolution of central Africa: Insights from the Kasai-Congo Basin, Democratic Republic Congo. Cretaceous Research, 2016, 67, 25-43.	1.4	14
61	The Earliest Fossil of the African Clawed Frog (Genus Xenopus) from Sub-Saharan Africa. Journal of Herpetology, 2019, 53, 125.	0.5	14
62	Lithological and facies analysis of the Roseneath and Murteree shales, Cooper Basin, Australia. Journal of Natural Gas Science and Engineering, 2017, 37, 138-168.	4.4	13
63	Depositional Environment of the Lower Cretaceous (Upper Albian) Winton Formation At Isisford, Central-West Queensland, Australia, Inferred From Sandstone Concretions. Journal of Sedimentary Research, 2016, 86, 1067-1082.	1.6	12
64	Sedimentology and paleoenvironments of a new fossiliferous late Miocene-Pliocene sedimentary succession in the Rukwa Rift Basin, Tanzania. Journal of African Earth Sciences, 2017, 129, 260-281.	2.0	12
65	Mesozoic Sedimentary Cover Sequences of the Congo Basin in the Kasai Region, Democratic Republic of Congo. , 2015, , 163-191.		12
66	Late Cretaceous stratigraphy, depositional environments, and macrovertebrate paleontology of the Kaiparowits Plateau, Grand Staircaseâ€“Escalante National Monument, Utah. , 2005, , 101-128.		12
67	Stable isotopic insights into paleoclimatic conditions and alluvial depositional processes in the Kaiparowits Formation (Campanian, south-central Utah, U.S.A.). Cretaceous Research, 2015, 56, 180-192.	1.4	11
68	Mineralogical modelling and petrophysical parameters in Permian gas shales from the Roseneath and Murteree formations, Cooper Basin, Australia. Petroleum Exploration and Development, 2016, 43, 277-284.	7.0	11
69	Volcaniclastic member of the richly fossiliferous Kaiparowits Formation reveals new insights for regional correlation and tectonics in southern Utah during the latest Campanian. Cretaceous Research, 2020, 114, 104527.	1.4	11
70	TAPHONOMY, GEOLOGICAL AGE, AND PALEOBIOGEOGRAPHY OF LOTOSAURUS ADENTUS (ARCHOSAURIA:) Tj ETQq0 0 0 rgBT /Overlo 33, 106-124.	1.3	10
71	Paleomagnetism of the Cretaceous Galula Formation and implications for vertebrate evolution. Journal of African Earth Sciences, 2018, 139, 403-420.	2.0	10
72	Jurassic - Early Cretaceous paleogeography and paleoenvironments of the north-eastern margin of Gondwana: Insights from the Carpentaria Basin, Australia. Gondwana Research, 2020, 88, 126-149.	6.0	10

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73	Pelvic morphology of a tritylodontid (Synapsida: Eucynodontia) from the Lower Jurassic of China, and some functional and phylogenetic implications. Comptes Rendus - Palevol, 2013, 12, 505-518.	0.2	8
74	Geology and taphonomy of a unique tyrannosaurid bonebed from the upper Campanian Kaiparowits Formation of southern Utah: implications for tyrannosaurid gregariousness. PeerJ, 2021, 9, e11013.	2.0	8
75	Age, depositional history, and paleoclimatic setting of Early Cretaceous dinosaur assemblages from the Sao Khua Formation (Khorat Group), Thailand. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 601, 111107.	2.3	7
76	MULTISPECIES SHARK FEEDING IN THE TRANS-SAHARAN SEAWAY: EVIDENCE FROM LATE CRETACEOUS DYROSAURID (CROCODYLIFORMES) FOSSILS FROM NORTHEASTERN MALI. Palaios, 2015, 30, 589-596.	1.3	6
77	Sedimentary provenance and maximum depositional age analysis of the Cretaceous? Lapur and Muruanachok sandstones (Turkana Grits), Turkana Basin, Kenya. Geological Magazine, 2019, 156, 1334-1356.	1.5	6
78	The oldest lamprophiid (Serpentes, Caenophidia) fossil from the late Oligocene Rukwa Rift Basin, Tanzania and the origins of African snake diversity. Geobios, 2021, 66-67, 67-75.	1.4	6
79	Refined geochronology and revised stratigraphic nomenclature of the Upper Cretaceous Wahweap Formation, Utah, U.S.A. and the age of early Campanian vertebrates from southern Laramidia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 591, 110876.	2.3	6
80	Morphological diversification of ampullariid gastropods (Nsungwe Formation, Late Oligocene, Rukwa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 327-348.	1.5	5
81	Paleoclimate and paleoenvironment reconstruction of paleosols spanning the Lower to Upper Cretaceous from the Rukwa Rift Basin, Tanzania. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 577, 110539.	2.3	5
82	A Fossil Gekkotan (Squamata) from the Late Oligocene Nsungwe Formation, Rukwa Rift Basin, Tanzania. Journal of Herpetology, 2018, 52, 223-227.	0.5	4
83	Cryptic Middle to Late Jurassic marine incursions into northeastern Gondwana: An integrated sedimentological, ichnological and geochronological approach. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 569, 110330.	2.3	4
84	Middle Jurassicâ€“Lower Cretaceous stratigraphy of the northern Great Australian Superbasin: insights from maximum depositional age constraints from the Uâ€“Pb detrital zircon record. Australian Journal of Earth Sciences, 2022, 69, 929-952.	1.0	4
85	New evidence of a Campanian age for the Cretaceous fossil-bearing strata of Cape Marsh, Robertson Island, Antarctica. Cretaceous Research, 2020, 108, 104313.	1.4	3
86	Macroscelideans (Myohyracinae and Rhynchocyoninae) from the late Oligocene Nsungwe formation of the Rukwa Rift Basin, southwestern Tanzania. Historical Biology, 0, , 1-7.	1.4	3
87	Deciphering Late Cretaceous palaeoâ€river catchments in eastern Australia: Recognition of distinct northern and southern drainage basins. Basin Research, 2022, 34, 590-617.	2.7	3
88	A new assemblage of Cenozoic lungfishes (Dipnoi: Lepidosirenidae) from the late Oligocene Nsungwe Formation, Rukwa Rift Basin, southwestern Tanzania. Geobios, 2021, 66-67, 7-14.	1.4	2
89	A revised Permianâ€“Triassic stratigraphic framework for the northeastern Galilee Basin, Queensland, Australia, and definition of a new Middleâ€“Upper Triassic sedimentary unit. Australian Journal of Earth Sciences, 0, , 1-22.	1.0	1
90	A New Plesiosaur (Reptilia: Sauropterygia) Specimen from the Upper Cretaceous of West Antarctica, with Comments on the Ontogeny and Morphological Diversity of the Elasmosaurid Pelvic Girdle. Annals of Carnegie Museum, 2020, 86, 93.	0.5	1

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91	Paleoatmospheric CO2 oscillations through a cool middle/Late Cretaceous recorded from pedogenic carbonates in Africa. Cretaceous Research, 2022, 135, 105191.	1.4	1