

Marc Emyr Huw Jones

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,809
citations

257450

24
h-index

289244

40
g-index

53
all docs

53
docs citations

53
times ranked

1590
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of molecules and new fossils supports a Triassic origin for Lepidosauria (lizards, snakes,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	168
2	Assessment of the role of sutures in a lizard skull: a computer modelling study. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 39-46.	2.6	100
3	A giant frog with South American affinities from the Late Cretaceous of Madagascar. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2951-2956.	7.1	91
4	A sphenodontine (Rhynchocephalia) from the Miocene of New Zealand and palaeobiogeography of the tuatara (<i>Sphenodon</i>). Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1385-1390.	2.6	91
5	Skull shape and feeding strategy in <i>Sphenodon</i> and other Rhynchocephalia (Diapsida): Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.2	90
6	The Head and Neck Anatomy of Sea Turtles (Cryptodira: Chelonioidea) and Skull Shape in Testudines. PLoS ONE, 2012, 7, e47852.	2.5	67
7	The importance of accurate muscle modelling for biomechanical analyses: a case study with a lizard skull. Journal of the Royal Society Interface, 2013, 10, 20130216.	3.4	66
8	The Origin, Early History and Diversification of Lepidosauromorph Reptiles. Lecture Notes in Earth Sciences, 2010, , 27-44.	0.5	65
9	A new stem turtle from the Middle Jurassic of Scotland: new insights into the evolution and palaeoecology of basal turtles. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 879-886.	2.6	63
10	New information on the anatomy and systematic position of <i>Dinheirosaurus lourinhanensis</i> (Sauropoda: Diplodocoidea) from the Late Jurassic of Portugal, with a review of European diplodocoids. Journal of Systematic Palaeontology, 2012, 10, 521-551.	1.5	61
11	Disparities in the analysis of morphological disparity. Biology Letters, 2020, 16, 20200199.	2.3	60
12	Cranial sutures work collectively to distribute strain throughout the reptile skull. Journal of the Royal Society Interface, 2013, 10, 20130442.	3.4	54
13	Predicting muscle activation patterns from motion and anatomy: modelling the skull of <i>Sphenodon</i> (Diapsida: Rhynchocephalia). Journal of the Royal Society Interface, 2010, 7, 153-160.	3.4	49
14	Reliable quantification of bite-force performance requires use of appropriate biting substrate and standardization of bite out-lever. Journal of Experimental Biology, 2014, 217, 4303-12.	1.7	49
15	New Material of <i>Beelzebufo</i> , a Hyperossified Frog (Amphibia: Anura) from the Late Cretaceous of Madagascar. PLoS ONE, 2014, 9, e87236.	2.5	43
16	Anurans from the Lower Cretaceous Jehol Group of Western Liaoning, China. PLoS ONE, 2013, 8, e69723.	2.5	42
17	Bite force performance of the last rhynchocephalian (Lepidosauria: <i>Sphenodon</i>). Journal of the Royal Society of New Zealand, 2009, 39, 71-83.	1.9	39
18	Tooth and cranial disparity in the fossil relatives of <i>Sphenodon</i> (Rhynchocephalia) dispute the persistent "living fossil" label. Journal of Evolutionary Biology, 2012, 25, 2194-2209.	1.7	39

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19	Shearing Mechanics and the Influence of a Flexible Symphysis During Oral Food Processing in <i>Sphenodon</i> (Lepidosauria: Rhynchocephalia). <i>Anatomical Record</i> , 2012, 295, 1075-1091.	1.4	37
20	Comparison between in vivo and theoretical bite performance: Using multi-body modelling to predict muscle and bite forces in a reptile skull. <i>Journal of Biomechanics</i> , 2010, 43, 2804-2809.	2.1	35
21	Functional Relationship between Skull Form and Feeding Mechanics in <i>Sphenodon</i> , and Implications for Diapsid Skull Development. <i>PLoS ONE</i> , 2011, 6, e29804.	2.5	30
22	A new Early Cretaceous salamander (<i>Regalerpeton weichangensis</i> gen. et sp. nov.) from the Huajiying Formation of northeastern China. <i>Cretaceous Research</i> , 2009, 30, 551-558.	1.4	29
23	Tuatara. <i>Current Biology</i> , 2012, 22, R986-R987.	3.9	29
24	A Review of Tooth Implantation Among Rhynchocephalians (Lepidosauria). <i>Journal of Herpetology</i> , 2017, 51, 300-306.	0.5	27
25	<i>Colobops</i> : a juvenile rhynchocephalian reptile (Lepidosauromorpha), not a diminutive archosauromorph with an unusually strong bite. <i>Royal Society Open Science</i> , 2020, 7, 192179.	2.4	26
26	A Late Cretaceous <i>tuatara</i> (Lepidosauria: Sphenodontinae) from South America. <i>Cretaceous Research</i> , 2012, 34, 154-160.	1.4	24
27	The biomechanical role of the chondrocranium and sutures in a lizard cranium. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170637.	3.4	24
28	Sesamoid bones in tuatara (<i>Sphenodon punctatus</i>) investigated with X-ray microtomography, and implications for sesamoid evolution in Lepidosauria. <i>Journal of Morphology</i> , 2017, 278, 62-72.	1.2	22
29	Geometric Morphometrics Provides an Alternative Approach for Interpreting the Affinity of Fossil Lizard Jaws. <i>Journal of Herpetology</i> , 2017, 51, 375-382.	0.5	21
30	Digital dissection of the head of the rock dove (<i>Columba livia</i>) using contrast-enhanced computed tomography. <i>Zoological Letters</i> , 2019, 5, 17.	1.3	21
31	Aquatic adaptations in the four limbs of the snake-like reptile <i>Tetrapodophis</i> from the Lower Cretaceous of Brazil. <i>Cretaceous Research</i> , 2016, 66, 194-199.	1.4	20
32	Neutron scanning reveals unexpected complexity in the enamel thickness of an herbivorous Jurassic reptile. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180039.	3.4	19
33	Diverse vertebrate assemblage of the Kilmaluag Formation (Bathonian, Middle Jurassic) of Skye, Scotland. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2020, 111, 135-156.	0.3	19
34	Bite force in the horned frog (<i>Ceratophrys cranwelli</i>) with implications for extinct giant frogs. <i>Scientific Reports</i> , 2017, 7, 11963.	3.3	18
35	Changes in ontogenetic patterns facilitate diversification in skull shape of Australian agamid lizards. <i>BMC Evolutionary Biology</i> , 2019, 19, 7.	3.2	18
36	Anatomy, morphology and evolution of the patella in squamate lizards and tuatara (<i>Sphenodon</i>)	1.5	17

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37	An aggregation of lizard skeletons from the Lower Cretaceous of China. <i>Senckenbergiana Lethaea</i> , 2007, 87, 109-118.	0.3	15
38	A juvenile anuran from the Lower Cretaceous Jiufotang Formation, Liaoning, China. <i>Cretaceous Research</i> , 2007, 28, 235-244.	1.4	14
39	Reproductive phenotype predicts adult bite force performance in sex-reversed dragons (<i>Pogona</i>). <i>Journal of Experimental Biology</i> , 2021, 224, 252-263.	1.9	14
40	Comparative cranial biomechanics in two lizard species: impact of variation in cranial design. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	14
41	Middle Jurassic fossils document an early stage in salamander evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	14
42	Feedback control from the jaw joints during biting: An investigation of the reptile <i>Sphenodon</i> using multibody modelling. <i>Journal of Biomechanics</i> , 2010, 43, 3132-3137.	2.1	13
43	Evolution of cranial shape in a continental-scale evolutionary radiation of Australian lizards. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2216-2229.	2.3	13
44	A new lizard skull from the Purbeck Limestone Group (Lower Cretaceous) of England. <i>Bulletin - Societe Geologique De France</i> , 2012, 183, 517-524.	2.2	11
45	Sole survivor of a once-diverse lineage. <i>Nature</i> , 2017, 545, 158-158.	27.8	7
46	Ontogenetic allometry underlies trophic diversity in sea turtles (Chelonioidae). <i>Evolutionary Ecology</i> , 2022, 36, 511-540.	1.2	7
47	Exceptional Disparity in Australian Agamid Lizards is a Possible Result of Arrival into Vacant Niche. <i>Anatomical Record</i> , 2019, 302, 1536-1543.	1.4	6
48	Clade-wide variation in bite-force performance is determined primarily by size, not ecology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212493.	2.6	4
49	Cranial sutures work collectively to distribute strain throughout the reptile skull. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130584.	3.4	2
50	Redescription of the skull of the Australian flatback sea turtle, <i>Natator depressus</i> , provides new morphological evidence for phylogenetic relationships among sea turtles (Chelonioidae). <i>Zoological Journal of the Linnean Society</i> , 2021, 191, 1090-1113.	2.3	2
51	Shearing Mechanics and the Influence of a Flexible Symphysis During Oral Food Processing in <i>Sphenodon</i> (Lepidosauria: Rhynchocephalia). <i>Anatomical Record</i> , 2012, 295, C1-C1.	1.4	0