

John R Horner

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

5,280
citations

76196

40
h-index

88477

70
g-index

84
all docs

84
docs citations

84
times ranked

2291
citing authors

#	ARTICLE	IF	CITATIONS
1	A remarkable group of thick-headed Triassic Period archosauromorphs with a wide, possibly Pangean distribution. <i>Journal of Anatomy</i> , 2021, 239, 184-206.	0.9	8
2	Baby tyrannosaurid bones and teeth from the Late Cretaceous of western North America¹. <i>Canadian Journal of Earth Sciences</i> , 2021, 58, 756-777.	0.6	12
3	Growing up <i>Tyrannosaurus rex</i> : Osteohistology refutes the pygmy <i>Nanotyrannus</i> and supports ontogenetic niche partitioning in juvenile <i>Tyrannosaurus</i> . <i>Science Advances</i> , 2020, 6, eaax6250.	4.7	50
4	An Ion-exchange Bone Demineralization Method for Improved Time, Expense, and Tissue Preservation. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 607-620.	1.3	2
5	<i>Trierarchuncus prairiensis</i> gen. et sp. nov., the last alvarezsaurid: Hell Creek Formation (uppermost) Tj ETQq1 1 0.784314 rgBT /Overlock 13	0.6	13
6	Evidence of proteins, chromosomes and chemical markers of DNA in exceptionally preserved dinosaur cartilage. <i>National Science Review</i> , 2020, 7, 815-822.	4.6	27
7	Distal spinal nerve development and divergence of avian groups. <i>Scientific Reports</i> , 2020, 10, 6303.	1.6	8
8	Ontogenetic changes in the long bone microstructure in the nine-banded armadillo (<i>Dasypus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.1	14
9	29. <i>Dinosaur Physiology</i> , , 2019, , 660-671.		0
10	A new specimen of the ornithischian dinosaur <i>Hesperosaurus mjosi</i> from the Upper Jurassic Morrison Formation of Montana, U.S.A., and implications for growth and size in Morrison stegosaurs. <i>Journal of Vertebrate Paleontology</i> , 2018, 38, e1406366.	0.4	14
11	Avian tail ontogeny, pygostyle formation, and interpretation of juvenile Mesozoic specimens. <i>Scientific Reports</i> , 2018, 8, 9014.	1.6	23
12	Vertebral Adaptations to Large Body Size in Theropod Dinosaurs. <i>PLoS ONE</i> , 2016, 11, e0158962.	1.1	15
13	Comparative histology of some craniofacial sutures and skull-base synchondroses in non-avian dinosaurs and their extant phylogenetic bracket. <i>Journal of Anatomy</i> , 2016, 229, 252-285.	0.9	29
14	A hypothesis of differential secondary bone formation in dinosaurs. <i>Comptes Rendus - Palevol</i> , 2016, 15, 40-48.	0.1	32
15	Chondroid bone in dinosaur embryos and nestlings (Ornithischia: Hadrosauridae): Insights into the growth of the skull and the evolution of skeletal tissues. <i>Comptes Rendus - Palevol</i> , 2016, 15, 49-64.	0.1	15
16	Mineralized tissues in dinosaurs interpreted as having formed through metaplasia: A preliminary evaluation. <i>Comptes Rendus - Palevol</i> , 2016, 15, 176-196.	0.1	21
17	Fusion Patterns in the Skulls of Modern Archosaurs Reveal That Sutures Are Ambiguous Maturity Indicators for the Dinosauria. <i>PLoS ONE</i> , 2016, 11, e0147687.	1.1	62
18	A New Brachylophosaurin Hadrosaur (Dinosauria: Ornithischia) with an Intermediate Nasal Crest from the Campanian Judith River Formation of Northcentral Montana. <i>PLoS ONE</i> , 2015, 10, e0141304.	1.1	51

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19	<i>Maiasaura</i> , a model organism for extinct vertebrate population biology: a large sample statistical assessment of growth dynamics and survivorship. <i>Paleobiology</i> , 2015, 41, 503-527.	1.3	89
20	First Reported Cases of Biomechanically Adaptive Bone Modeling in Non-Avian Dinosaurs. <i>PLoS ONE</i> , 2015, 10, e0131131.	1.1	24
21	Cranial morphology of a juvenile <i>Triceratops</i> ; skull from the Hell Creek Formation, McCone County, Montana, with comments on the fossil record of ontogenetically younger skulls. , 2014, , .		3
22	From dinosaurs to birds: a tail of evolution. <i>EvoDevo</i> , 2014, 5, 25.	1.3	41
23	Paleontology: A Cockatoo's Comb on a Duck-Billed Dinosaur. <i>Current Biology</i> , 2014, 24, R85-R86.	1.8	1
24	The species recognition hypothesis explains exaggerated structures in non-avian dinosaurs better than sexual selection does. <i>Comptes Rendus - Palevol</i> , 2014, 13, 97-107.	0.1	22
25	Darwin's sexual selection: Understanding his ideas in context. <i>Comptes Rendus - Palevol</i> , 2014, 13, 709-715.	0.1	4
26	Evolutionary trends in <i>Triceratops</i> from the Hell Creek Formation, Montana. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10245-10250.	3.3	50
27	Synchrotron Chemical and Structural Analysis of <i>Tyrannosaurus rex</i> Blood Vessels: The Contribution of Collagen Hypercrosslinking to Tissue Longevity. <i>Microscopy and Microanalysis</i> , 2014, 20, 1430-1431.	0.2	2
28	Through the End of the Cretaceous in the Type Locality of the Hell Creek Formation in Montana and Adjacent Areas. , 2014, , .		19
29	Quantification of intraskeletal histovariability in <i>Alligator mississippiensis</i> and implications for vertebrate osteohistology. <i>PeerJ</i> , 2014, 2, e422.	0.9	85
30	Misconceptions of sexual selection and species recognition: a response to Knell et al. and to Mendelson and Shaw. <i>Trends in Ecology and Evolution</i> , 2013, 28, 249-250.	4.2	25
31	Secondary Cartilage Revealed in a Non-Avian Dinosaur Embryo. <i>PLoS ONE</i> , 2013, 8, e56937.	1.1	14
32	First Evidence of Dinosaurian Secondary Cartilage in the Post-Hatching Skull of <i>Hypacrosaurus stebingeri</i> (Dinosauria, Ornithischia). <i>PLoS ONE</i> , 2012, 7, e36112.	1.1	23
33	A diminutive deinonychosaur (Dinosauria: Theropoda) from the Early Cretaceous of Arkhangai (Arkhangai, Mongolia). <i>Alcheringa</i> , 2012, 36, 117-136.	0.5	5
34	Osteohistological Evidence for Determinate Growth in the American Alligator. <i>Journal of Herpetology</i> , 2011, 45, 339-342.	0.2	107
35	Ontogeny of the parietal frill of <i>Triceratops</i> : A preliminary histological analysis. <i>Comptes Rendus - Palevol</i> , 2011, 10, 439-452.	0.1	31
36	Cranial Ontogeny in <i>Stegoceras validum</i> (Dinosauria: Pachycephalosauria): A Quantitative Model of Pachycephalosaur Dome Growth and Variation. <i>PLoS ONE</i> , 2011, 6, e21092.	1.1	42

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37	Reanalysis of <i>Raptorex kriegsteini</i> : A Juvenile Tyrannosaurid Dinosaur from Mongolia. PLoS ONE, 2011, 6, e21376.	1.1	55
38	New unadorned hadrosaurine hadrosaurid (Dinosauria, Ornithopoda) from the Campanian of North America. Journal of Vertebrate Paleontology, 2011, 31, 798-811.	0.4	53
39	A sub-adult skull of <i>Hypacrosaurus stebingeri</i> (Ornithischia: Lambeosaurinae): anatomy and comparison. Historical Biology, 2011, 23, 63-72.	0.7	23
40	Dinosaur Census Reveals Abundant Tyrannosaurus and Rare Ontogenetic Stages in the Upper Cretaceous Hell Creek Formation (Maastrichtian), Montana, USA. PLoS ONE, 2011, 6, e16574.	1.1	77
41	<i>Nedoceratops</i> : An Example of a Transitional Morphology. PLoS ONE, 2011, 6, e28705.	1.1	32
42	<i>Torosaurus</i> Marsh, 1891, is <i>Triceratops</i> Marsh, 1889 (Ceratopsidae: Chasmosaurinae): synonymy through ontogeny. Journal of Vertebrate Paleontology, 2010, 30, 1157-1168.	0.4	108
43	Cretaceous Extinctions: Multiple Causes. Science, 2010, 328, 973-973.	6.0	125
44	A study of a Troodon egg containing embryonic remains using epifluorescence microscopy and other techniques. Cretaceous Research, 2010, 31, 255-262.	0.6	42
45	Cannibalism in Tyrannosaurus rex. PLoS ONE, 2010, 5, e13419.	1.1	32
46	Common Avian Infection Plagued the Tyrant Dinosaurs. PLoS ONE, 2009, 4, e7288.	1.1	39
47	Biomolecular Characterization and Protein Sequences of the Campanian Hadrosaur <i>B. canadensis</i> . Science, 2009, 324, 626-631.	6.0	212
48	Comparative long bone histology and growth of the <i>hypsilophodontid</i> dinosaurs <i>Orodromeus makelai</i> , <i>Dryosaurus altus</i> , and <i>Tenontosaurus tilletii</i> (Ornithischia: Euornithopoda). Journal of Vertebrate Paleontology, 2009, 29, 734-747.	0.4	61
49	Extreme Cranial Ontogeny in the Upper Cretaceous Dinosaur Pachycephalosaurus. PLoS ONE, 2009, 4, e7626.	1.1	119
50	Ontogeny of cranial epi-ossifications in <i>Triceratops</i> . Journal of Vertebrate Paleontology, 2008, 28, 134-144.	0.4	58
51	On the origin of high growth rates in archosaurs and their ancient relatives: Complementary histological studies on Triassic archosauriforms and the problem of a <i>phylogenetic signal</i> in bone histology. Annales De Paleontologie, 2008, 94, 57-76.	0.1	136
52	Relative growth rates of predator and prey dinosaurs reflect effects of predation. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 2609-2615.	1.2	63
53	Correction for Schweitzer et al. , Soft tissue and cellular preservation in vertebrate skeletal elements from the Cretaceous to the present. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 3183-3183.	1.2	0
54	Soft tissue and cellular preservation in vertebrate skeletal elements from the Cretaceous to the present. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 183-197.	1.2	100

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55	A new neoceratopsian dinosaur linking North American and Asian taxa. <i>Journal of Vertebrate Paleontology</i> , 2007, 27, 625-641.	0.4	43
56	The furcula in <i>Suchomimus tenerensis</i> and <i>Tyrannosaurus rex</i> (Dinosauria: Theropoda). <i>Trends in Ecology and Evolution</i> , 2006, 21, 596-597.	4.2	9
57	Analyses of Soft Tissue from <i>Tyrannosaurus rex</i> Suggest the Presence of Protein. <i>Science</i> , 2007, 316, 277-280.	6.0	187
58	The smallest known triceratops skull: new observations on ceratopsid cranial anatomy and ontogeny. <i>Journal of Vertebrate Paleontology</i> , 2006, 26, 103-112.	0.4	55
59	Major cranial changes during <i>Triceratops</i> ontogeny. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2757-2761.	1.2	97
60	Soft-Tissue Vessels and Cellular Preservation in <i>Tyrannosaurus rex</i> . <i>Science</i> , 2005, 307, 1952-1955.	6.0	143
61	How Dinosaurs Grew So Large—and So Small. <i>Scientific American</i> , 2005, 293, 56-63.	1.0	8
62	Gender-Specific Reproductive Tissue in Ratites and <i>Tyrannosaurus rex</i> . <i>Science</i> , 2005, 308, 1456-1460.	6.0	133
63	A silicified bird from Quaternary hot spring deposits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 905-911.	1.2	15
64	The evolution and function of thyreophoran dinosaur scutes: implications for plate function in stegosaurs. <i>Paleobiology</i> , 2005, 31, 291-314.	1.3	110
65	Age and growth dynamics of <i>Tyrannosaurus rex</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1875-1880.	1.2	135
66	Cranial histology of pachycephalosaurs (Ornithischia: Marginocephalia) reveals transitory structures inconsistent with head-butting behavior. <i>Paleobiology</i> , 2004, 30, 253-267.	1.3	75
67	Growth in small dinosaurs and pterosaurs: the evolution of archosaurian growth strategies. <i>Journal of Vertebrate Paleontology</i> , 2004, 24, 555-571.	0.4	177
68	On the bone histology of some Triassic pseudosuchian archosaurs and related taxa. <i>Annales De Paleontologie</i> , 2003, 89, 67-101.	0.1	138
69	Remarkable Preservation of Undigested Muscle Tissue Within a Late Cretaceous Tyrannosaurid Coprolite from Alberta, Canada. <i>Palaio</i> , 2003, 18, 286-294.	0.6	101
70	Embryos and eggs for the Cretaceous theropod dinosaur <i>Troodon formosus</i> . <i>Journal of Vertebrate Paleontology</i> , 2002, 22, 564-576.	0.4	121
71	Typology versus transformation in the origin of birds. <i>Trends in Ecology and Evolution</i> , 2002, 17, 120-124.	4.2	15
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73	Comparative osteohistology of some embryonic and perinatal archosaurs: developmental and behavioral implications for dinosaurs. <i>Paleobiology</i> , 2001, 27, 39-58.	1.3	173
74	Cranial design and function in a large theropod dinosaur. <i>Nature</i> , 2001, 409, 1033-1037.	13.7	219
75	Dinosaurian growth rates and bird origins. <i>Nature</i> , 2001, 412, 405-408.	13.7	235
76	Dinosaur Reproduction and Parenting. <i>Annual Review of Earth and Planetary Sciences</i> , 2000, 28, 19-45.	4.6	95
77	Long bone histology of the hadrosaurid dinosaur <i>Maiasaura peeblesorum</i> : growth dynamics and physiology based on an ontogenetic series of skeletal elements. <i>Journal of Vertebrate Paleontology</i> , 2000, 20, 115-129.	0.4	299
78	Intravascular microstructures in trabecular bone tissues of <i>Tyrannosaurus rex</i> . <i>Annales De Paleontologie</i> , 1999, 85, 179-192.	0.1	27
79	Egg clutches and embryos of two hadrosaurian dinosaurs. <i>Journal of Vertebrate Paleontology</i> , 1999, 19, 607-611.	0.4	64
80	Variation in dinosaur skeletochronology indicators: implications for age assessment and physiology. <i>Paleobiology</i> , 1999, 25, 295-304.	1.3	212
81	Preservation of biomolecules in cancellous bone of <i>Tyrannosaurus rex</i> . <i>Journal of Vertebrate Paleontology</i> , 1997, 17, 349-359.	0.4	49
82	Rare preservation of an incompletely ossified fossil embryo. <i>Journal of Vertebrate Paleontology</i> , 1997, 17, 431-434.	0.4	14
83	Avian Dinosaur Tail Evolution and Bone Fracture Healing. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
84	Quantifying vascularity in the frontoparietal dome of <i>Stegoceras validum</i> (Dinosauria: Tj ETQq0 0 0 rgBT /Overlock 1Q Tf 50 302	0.4	2