Oliver W M Rauhut

List of Publications by Year
in descending order

78 papers	3,587 citations	136740 32 h-index	161609 54 g-index
80 all docs	80 docs citations	80 times ranked	1650 citing authors

#	Article	IF	Citations
1	Biology of the sauropod dinosaurs: the evolution of gigantism. Biological Reviews, 2011, 86, 117-155.	4.7	306
2	A Long-Snouted Predatory Dinosaur from Africa and the Evolution of Spinosaurids. , 1998, 282, 1298-1302.		247
3	New specimen of Archaeopteryx provides insights into the evolution of pennaceous feathers. Nature, 2014, 511, 79-82.	13.7	182
4	Was Dinosaurian Physiology Inherited by Birds? Reconciling Slow Growth in Archaeopteryx. PLoS ONE, 2009, 4, e7390.	1.1	155
5	Discovery of a short-necked sauropod dinosaur from the Late Jurassic period of Patagonia. Nature, 2005, 435, 670-672.	13.7	125
6	First record of the family Dromaeosauridae (Dinosauria: Theropoda) in the Cretaceous of Gondwana (Wadi Milk Formation, northern Sudan). Palaontologische Zeitschrift, 1995, 69, 475-489.	0.8	116
7	Exceptionally preserved juvenile megalosauroid theropod dinosaur with filamentous integument from the Late Jurassic of Germany. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11746-11751.	3.3	111
8	A Jurassic mammal from South America. Nature, 2002, 416, 165-168.	13.7	110
9	A Middle Jurassic abelisaurid from Patagonia and the early diversification of theropod dinosaurs. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3170-3175.	1.2	107
10	Cranial osteology and phylogenetic position of the theropod dinosaurProceratosaurus bradleyi(Woodward, 1910) from the Middle Jurassic of England. Zoological Journal of the Linnean Society, 2010, 158, 155-195.	1.0	100
11	Untangling the dinosaur family tree. Nature, 2017, 551, E1-E3.	13.7	99
12	Feeding behaviour and bone utilization by theropod dinosaurs. Lethaia, 2010, 43, 232-244.	0.6	79
13	Osteology and phylogenetic relationships of Tehuelchesaurus benitezii (Dinosauria, Sauropoda) from the Upper Jurassic of Patagonia. Zoological Journal of the Linnean Society, 2011, 163, 605-662.	1.0	76
14	Osteology and relationships of a new theropod dinosaur from the Middle Jurassic of Patagonia. Palaeontology, 2005, 48, 87-110.	1.0	70
15	The oldestArchaeopteryx(Theropoda: Avialiae): a new specimen from the Kimmeridgian/Tithonian boundary of Schamhaupten, Bavaria. PeerJ, 2018, 6, e4191.	0.9	69
16	The theropod dinosaurElaphrosaurus bambergiJanensch, 1920, from the Late Jurassic of Tendaguru, Tanzania. Zoological Journal of the Linnean Society, 2016, 178, 546-610.	1.0	66
17	A reappraisal of the morphology and systematic position of the theropod dinosaurSigilmassasaurusfrom the â€œmiddleâ€•Cretaceous of Morocco. PeerJ, 2015, 3, e1323.	0.9	59
18	A tyrannosauroid dinosaur from the Upper Jurassic of Portugal. Palaeontology, 2003, 46, 903-910.	1.0	56

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19	Mandible and dentition ofAsfaltomylos patagonicus(Australosphenida, Mammalia) and the evolution of tribosphenic teeth. Journal of Vertebrate Paleontology, 2005, 25, 414-425.	0.4	55
20	Provenance and anatomy ofGenyodectes serus, a large-toothed ceratosaur (Dinosauria: Theropoda) from Patagonia. Journal of Vertebrate Paleontology, 2004, 24, 894-902.	0.4	54
21	Dinosaur remains from the Lower Cretaceous of the Chubut Group, Argentina. Cretaceous Research, 2003, 24, 487-497.	0.6	53
22	A Middle Jurassic heterodontosaurid dinosaur from Patagonia and the evolution of heterodontosaurids. Die Naturwissenschaften, 2011, 98, 369-379.	0.6	53
23	Braincase structure of the Middle Jurassic theropod dinosaurPiatnitzkysaurus. Canadian Journal of Earth Sciences, 2004, 41, 1109-1122.	0.6	50
24	Dinosaur teeth from the Barremian of UÃ±a, Province of Cuenca, Spain. Cretaceous Research, 2002, 23, 255-263.	0.6	49
25	Considerations on the age of the Tiouaren Formation (Iullemmeden Basin, Niger, Africa): Implications for Gondwanan Mesozoic terrestrial vertebrate faunas. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 271, 259-267.	1.0	49
26	Post-cranial remains of â€˜coelurosaursâ€™ (Dinosauria, Theropoda) from the Late Jurassic of Tanzania. Geological Magazine, 2005, 142, 97-107.	0.9	46
27	Endocast of the Late Triassic (Carnian) dinosaur Saturnalia tupiniquim: implications for the evolution of brain tissue in Sauropodomorpha. Scientific Reports, 2017, 7, 11931.	1.6	46
28	Early development of the facial region in a non-avian theropod dinosaur. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1179-1183.	1.2	45
29	Probable basal allosauroid from the early Middle Jurassic CaÃ±adÃ³n Asfalto Formation of Argentina highlights phylogenetic uncertainty in tetanuran theropod dinosaurs. Scientific Reports, 2019, 9, 18826.	1.6	43
30	The small theropod dinosaursTugulusaurusandPhaedrolosaurusfrom the early Cretaceous of Xinjiang, China. Journal of Vertebrate Paleontology, 2005, 25, 107-118.	0.4	42
31	A new fossil from the <scp>J</scp>urassic of <scp>P</scp>atagonia reveals the early basicranial evolution and the origins of <scp>C</scp>rocodyliformes. Biological Reviews, 2013, 88, 862-872.	4.7	41
32	Correlation betweenHoxcode and vertebral morphology in archosaurs. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150077.	1.2	41
33	New insights into the lifestyle ofAllosaurus(Dinosauria: Theropoda) based on another specimen with multiple pathologies. PeerJ, 2015, 3, e940.	0.9	40
34	A New Rhynchocephalian from the Late Jurassic of Germany with a Dentition That Is Unique amongst Tetrapods. PLoS ONE, 2012, 7, e46839.	1.1	39
35	A Jurassic pterosaur from Patagonia and the origin of the pterodactyloid neurocranium. PeerJ, 2016, 4, e2311.	0.9	36
36	Re-evaluation of the Haarlem Archaeopteryx and the radiation of maniraptoran theropod dinosaurs. BMC Evolutionary Biology, 2017, 17, 236.	3.2	35

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37	A juvenile skull of Dysalotosaurus lettowvorbecki (Ornithischia: Iguanodontia), and implications for cranial ontogeny, phylogeny, and taxonomy in ornithopod dinosaurs. Zoological Journal of the Linnean Society, 0, 160, 366-396.	1.0	34
38	Microvertebrate remains (Pisces, Archosauria) from the Middle Jurassic (Bathonian) of southern France. Neues Jahrbuch Fur Geologie Und Palaontologie - Abhandlungen, 1997, 206, 1-28.	0.2	31
39	Herbivorous dinosaurs from the Late Jurassic (Kimmeridgian) of Guimarota, Portugal. Proceedings of the Geologists Association, 2001, 112, 275-283.	0.6	29
40	New observations on the skull of Archaeopteryx. Palaontologische Zeitschrift, 2014, 88, 211-221.	0.8	29
41	Osteology ofRauisuchus tiradentesfrom the Late Triassic (Carnian) Santa Maria Formation of Brazil, and its implications for rauisuchid anatomy and phylogeny. Zoological Journal of the Linnean Society, 2015, 173, 55-91.	1.0	29
42	Redescription of the phytosaursPaleorhinus(â€˜Francosuchusâ€™)angustifronsandEbrachosuchus neukamifrom Germany, with implications for Late Triassic biochronology. Zoological Journal of the Linnean Society, 2014, 170, 155-208.	1.0	28
43	Multiphase progenetic development shaped the brain of flying archosaurs. Scientific Reports, 2019, 9, 10807.	1.6	28
44	The Triassic fish faunas of the Cuyana Basin, Western Argentina. Palaeontology, 2010, 53, 249-276.	1.0	27
45	Using Dental Enamel Wrinkling to Define Sauropod Tooth Morphotypes from the CaÃ±adÃ³n Asfalto Formation, Patagonia, Argentina. PLoS ONE, 2015, 10, e0118100.	1.1	27
46	A pathological tail in a basal sauropodomorph dinosaur from South Africa: evidence of traumatic amputation?. Journal of Vertebrate Paleontology, 2013, 33, 224-228.	0.4	26
47	A reappraisal of a putative record of abelisauroid theropod dinosaur from the Middle Jurassic of England. Proceedings of the Geologists Association, 2012, 123, 779-786.	0.6	25
48	A diplodocid sauropod dinosaur from the Late Jurassic CaÃ±adÃ³n CalcÃ¡reo Formation of Chubut, Argentina. Journal of Vertebrate Paleontology, 2015, 35, e982798.	0.4	25
49	Redescription and Phylogenetic Relationships of the Proterochampsid Rhadinosuchus gracilis (Diapsida: Archosauriformes) from the Early Late Triassic of Southern Brazil. Ameghiniana, 2015, 52, 391.	0.3	23
50	Braincase redescription of Efraasia minor Huene, 1908 (Dinosauria: Sauropodomorpha) from the Late Triassic of Germany, with comments on the evolution of the sauropodomorph braincase. Zoological Journal of the Linnean Society, 2018, 182, 173-224.	1.0	20
51	New dinosaur (Theropoda, stem -Averostra) from the earliest Jurassic of the La Quinta formation, Venezuelan Andes. Royal Society Open Science, 2014, 1, 140184.	1.1	19
52	The largest European theropod dinosaurs: remains of a gigantic megalosaurid and giant theropod tracks from the Kimmeridgian of Asturias, Spain. PeerJ, 2018, 6, e4963.	0.9	19
53	New insights into the vertebral Hox code of archosaurs. Evolution & Development, 2015, 17, 258-269.	1.1	17
54	Rapid transformation in the braincase of sauropod dinosaurs: integrated evolution of the braincase and neck in early sauropods?. Palaeontology, 2018, 61, 289-302.	1.0	17

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55	Neuroanatomy of the spinosaurid Irritator challengeri (Dinosauria: Theropoda) indicates potential adaptations for piscivory. Scientific Reports, 2020, 10, 9259.	1.6	17
56	A non-archaeopterygid avialan theropod from the Late Jurassic of southern Germany. ELife, 2019, 8, .	2.8	16
57	The Good, the Bad, and the Ugly: The Influence of Skull Reconstructions and Intraspecific Variability in Studies of Cranial Morphometrics in Theropods and Basal Saurischians. PLoS ONE, 2013, 8, e72007.	1.1	14
58	A Theropod Dinosaur from the Late Jurassic CaÃ±adÃ³n CalcÃ¡reo Formation of Central Patagonia, and the Evolution of the Theropod Tarsus. Ameghiniana, 2017, 54, 539-566.	0.3	13
59	Comment on the letter of the Society of Vertebrate Paleontology (SVP) dated April 21, 2020 regarding â€œFossils from conflict zones and reproducibility of fossil-based scientific dataâ€: the importance of private collections. Palaontologische Zeitschrift, 2020, 94, 413-429.	0.8	13
60	A derived sauropodiform dinosaur and other sauropodomorph material from the Late Triassic of Canton Schaffhausen, Switzerland. Swiss Journal of Geosciences, 2020, 113, .	0.5	13
61	New heterodontosaurid remains from the CaÃ±adÃ³n Asfalto Formation: cursoriality and the functional importance of the pes in small heterodontosaurids. Journal of Paleontology, 2016, 90, 555-577.	0.5	10
62	Anatomy, taxonomy and phylogenetic relationships of Prestosuchus chiniquensis (Archosauria:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46 Palaeontologia Electronica, 0, , .	0.9	10
63	The dentition ofManidens condorensis(Ornithischia; Heterodontosauridae) from the Jurassic CaÃ±adÃ³n Asfalto Formation of Patagonia: morphology, heterodonty and the use of statistical methods for identifying isolated teeth. Historical Biology, 2014, 26, 480-492.	0.7	9
64	The Origin of Birds: Current Consensus, Controversy, and the Occurrence of Feathers. Fascinating Life Sciences, 2020, , 27-45.	0.5	9
65	Huevos De SaurÃ³podos Del Aptiano-Albiano, FormaciÃ³n Cerro Barcino (Patagonia, Argentina): Un Enigma Paleoambiental y PaleobiolÃ³gico. Ameghiniana, 2013, 50, 33-50.	0.3	8
66	Braincase anatomy of the early sauropodomorph Saturnalia tupiniquim (Late Triassic, Brazil). Journal of Vertebrate Paleontology, 2018, 38, e1559173.	0.4	8
67	Heterodonty and double occlusion in Manidens condorensis: a unique adaptation in an Early Jurassic ornithischian improving masticatory efficiency. Die Naturwissenschaften, 2018, 105, 41.	0.6	8
68	Osteological revision of the holotype of the Middle Jurassic sauropod dinosaur Patagosaurus fariasi Bonaparte, 1979 (Sauropoda: Cetiosauridae). Geodiversitas, 2021, 43, .	0.2	6
69	Sphenofontis velseraegen. et sp. nov., a new rhynchocephalian from the Late Jurassic of Brunn (Solnhofen Archipelago, southern Germany). PeerJ, 2021, 9, e11363.	0.9	5
70	Two of a Feather: A Comparison of the Preserved Integument in the Juvenile Theropod Dinosaurs Sciurumimus and Juravenator from the Kimmeridgian Torleite Formation of Southern Germany. Fascinating Life Sciences, 2020, , 79-101.	0.5	5
71	Macroevolutionary and morphofunctional patterns in theropod skulls: a morphometric approach. Acta Palaeontologica Polonica, 0, , .	0.4	4
72	First Osteological Record of a Stegosaur (Dinosauria, Ornithischia) from the Upper Jurassic of South America. Journal of Vertebrate Paleontology, 0, , e1862133.	0.4	4

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73	AN EARLY JURASSIC SAUROPOD TOOTH FROM PATAGONIA (CAÃ‘ADÃ“N ASFALTO FORMATION): IMPLICATIONS FOR SAUROPOD DIVERSITY. Publicacion Electronica De La Asociacion Paleontologica Argentina, 0, , .	0.2	3
74	New theropod remains from the Late Jurassic CaÃ±adÃ³n CalcÃ¡reo formation of Chubut, Argentina. Journal of South American Earth Sciences, 2021, 111, 103434.	0.6	2
75	Notes on the cheek region of the Late Jurassic theropod dinosaurAllosaurus. PeerJ, 2020, 8, e8493.	0.9	2
76	Private collections of fossils are a plus. Nature, 2014, 512, 371-371.	13.7	1
77	Mandible and dentition of Asfaltomylos patagonicus (Australosphenida, Mammalia) and the evolution of tribosphenic teeth. , 0, .		1
78	Sauropods from the Early Jurassic of South America and the Radiation of Eusauropoda. Springer Earth System Sciences, 2022, , 131-163.	0.1	1