Vera Weisbecker

List of Publications by Year
in descending order

61	2,016	218381	276539
papers	citations	26 h-index	41 g-index

77	77	77	1877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OSSIFICATION HETEROCHRONY IN THE THERIAN POSTCRANIAL SKELETON AND THE MARSUPIAL-PLACENTAL DICHOTOMY. Evolution; International Journal of Organic Evolution, 2008, 62, 2027-2041.	1.1	116
2	Skeletal development in sloths and the evolution of mammalian vertebral patterning. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18903-18908.	3.3	113
3	Brain size, life history, and metabolism at the marsupial/placental dichotomy. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16216-16221.	3.3	108
4	Open data and digital morphology. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170194.	1.2	103
5	Australia's Oldest Marsupial Fossils and their Biogeographical Implications. PLoS ONE, 2008, 3, e1858.	1.1	93
6	Conserved relative timing of cranial ossification patterns in early mammalian evolution. Evolution & Development, 2008, 10, 519-530.	1.1	87
7	Developmental modularity and the marsupialâ€“placental dichotomy. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 186-195.	0.6	87
8	The evolution of mammalian brain size. Science Advances, 2021, 7, .	4.7	84
9	Disparities in the analysis of morphological disparity. Biology Letters, 2020, 16, 20200199.	1.0	60
10	Sharing is caring? Measurement error and the issues arising from combining 3D morphometric datasets. Ecology and Evolution, 2017, 7, 7034-7046.	0.8	57
11	Shifting spaces: Which disparity or dissimilarity measurement best summarize occupancy in multidimensional spaces?. Ecology and Evolution, 2020, 10, 7261-7275.	0.8	54
12	MONOTREME OSSIFICATION SEQUENCES AND THE RIDDLE OF MAMMALIAN SKELETAL DEVELOPMENT. Evolution; International Journal of Organic Evolution, 2011, 65, 1323-1335.	1.1	49
13	Do Developmental Constraints and High Integration Limit the Evolution of the Marsupial Oral Apparatus?. Integrative and Comparative Biology, 2016, 56, 404-415.	0.9	49
14	Autopodial skeletal diversity in hystricognath rodents: Functional and phylogenetic aspects. Mammalian Biology, 2007, 72, 27-44.	0.8	46
15	Evidence at hand: Diversity, functional implications, and locomotor prediction in intrinsic hand proportions of diprotodontian marsupials. Journal of Morphology, 2006, 267, 1469-1485.	0.6	43
16	A large-scale survey of heterochrony in anuran cranial ossification patterns. Journal of Zoological Systematics and Evolutionary Research, 2010, 48, 332-347.	0.6	41
17	Bats that walk: a new evolutionary hypothesis for the terrestrial behaviour of New Zealand's endemic mystacinids. BMC Evolutionary Biology, 2009, 9, 169.	3.2	39
18	Distortion in formalin-fixed brains: using geometric morphometrics to quantify the worst-case scenario in mice. Brain Structure and Function, 2012, 217, 677-685.	1.2	39

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19	Skeletal ossification and sequence heterochrony in xenarthran evolution. Evolution & Development, 2011, 13, 460-476.	1.1	38
20	The Evolution of Relative Brain Size in Marsupials Is Energetically Constrained but Not Driven by Behavioral Complexity. Brain, Behavior and Evolution, 2015, 85, 125-135.	0.9	36
21	The Evolution of Fangs, Venom, and Mimicry Systems in Blenny Fishes. Current Biology, 2017, 27, 1184-1191.	1.8	36
22	Getting a head in hard soils: Convergent skull evolution and divergent allometric patterns explain shape variation in a highly diverse genus of pocket gophers (Thomomys). BMC Evolutionary Biology, 2016, 16, 207.	3.2	35
23	Low resolution scans can provide a sufficiently accurate, cost- and time-effective alternative to high resolution scans for 3D shape analyses. PeerJ, 2018, 6, e5032.	0.9	35
24	Patterns and implications of extensive heterochrony in carnivoran cranial suture closure. Journal of Evolutionary Biology, 2013, 26, 1294-1306.	0.8	34
25	Coagulating Colubrids: Evolutionary, Pathophysiological and Biodiscovery Implications of Venom Variations between Boomslang (Dispholidus typus) and Twig Snake (Thelotornis mossambicanus). Toxins, 2017, 9, 171.	1.5	33
26	A new small-bodied ornithopod (Dinosauria, Ornithischia) from a deep, high-energy Early Cretaceous river of the Australianâ€“Antarctic rift system. PeerJ, 2018, 5, e4113.	0.9	30
27	Sex determination mode does not affect body or genital development of the central bearded dragon (Pogona vitticeps). EvoDevo, 2017, 8, 25.	1.3	28
28	Global elongation and high shape flexibility as an evolutionary hypothesis of accommodating mammalian brains into skulls. Evolution; International Journal of Organic Evolution, 2021, 75, 625-640.	1.1	27
29	Australian Rodents Reveal Conserved Cranial Evolutionary Allometry across 10 Million Years of Murid Evolution. American Naturalist, 2020, 196, 755-768.	1.0	26
30	Mammalian development does not recapitulate suspected key transformations in the evolutionary detachment of the mammalian middle ear. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20152606.	1.2	24
31	Testing hypotheses of developmental constraints on mammalian brain partition evolution, using marsupials. Scientific Reports, 2017, 7, 4241.	1.6	24
32	Individual variation of the masticatory system dominates 3D skull shape in the herbivory-adapted marsupial wombats. Frontiers in Zoology, 2019, 16, 41.	0.9	21
33	PARALLEL EVOLUTION OF HAND ANATOMY IN KANGAROOS AND VOMBATIFORM MARSUPIALS: FUNCTIONAL AND EVOLUTIONARY IMPLICATIONS. Palaeontology, 2008, 51, 321-338.	1.0	20
34	Integration, heterochrony, and adaptation in pedal digits of syndactylous marsupials. BMC Evolutionary Biology, 2008, 8, 160.	3.2	19
35	Out on a limb: bandicoot limb coâ€variation suggests complex impacts of development and adaptation on marsupial forelimb evolution. Evolution & Development, 2017, 19, 69-84.	1.1	19
36	Australiaâ€™s prehistoric â€˜swamp kingâ€™: revision of the Plio-Pleistocene crocodylian genusPallimnarchusde Vis, 1886. PeerJ, 2020, 8, e10466.	0.9	18

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37	Neonatal maturity as the key to understanding brain size evolution in homeothermic vertebrates. BioEssays, 2011, 33, 155-158.	1.2	17
38	Developmental asynchrony and antagonism of sex determination pathways in a lizard with temperature-induced sex reversal. Scientific Reports, 2018, 8, 14892.	1.6	17
39	First record of a tomistomine crocodylian from Australia. Scientific Reports, 2021, 11, 12158.	1.6	17
40	An Improved Body Mass Dataset for the Study of Marsupial Brain Size Evolution. Brain, Behavior and Evolution, 2013, 82, 81-82.	0.9	14
41	Primate hippocampus size and organization are predicted by sociality but not diet. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191712.	1.2	13
42	Skull shape of a widely distributed, endangered marsupial reveals little evidence of local adaptation between fragmented populations. Ecology and Evolution, 2020, 10, 9707-9720.	0.8	13
43	Carpal evolution in diprotodontian marsupials. Zoological Journal of the Linnean Society, 2006, 146, 369-384.	1.0	12
44	Reassessing the Relationship Between Brain Size, Life History, and Metabolism at the Marsupial/Placental Dichotomy. Zoological Science, 2014, 31, 608.	0.3	12
45	Resolving the evolution of the mammalian middle ear using Bayesian inference. Frontiers in Zoology, 2016, 13, 39.	0.9	12
46	Ovotestes suggest cryptic genetic influence in a reptile model for temperature-dependent sex determination. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202819.	1.2	12
47	The endocast of the Night Parrot (Pezoporus occidentalis) reveals insights into its sensory ecology and the evolution of nocturnality in birds. Scientific Reports, 2020, 10, 9258.	1.6	11
48	Ontogenetic origins of cranial convergence between the extinct marsupial thylacine and placental gray wolf. Communications Biology, 2021, 4, 51.	2.0	11
49	Relative demographic susceptibility does not explain the extinction chronology of Sahulâ€™s megafauna. ELife, 2021, 10, .	2.8	10
50	Using 3D geometric morphometrics to aid taxonomic and ecological understanding of a recent speciation event within a small Australian marsupial (Antechinus: Dasyuridae). Zoological Journal of the Linnean Society, 2022, 196, 963-978.	1.0	10
51	Marsupials indeed confirm an ancestral mammalian pattern: A reply to Isler. BioEssays, 2011, 33, 358-361.	1.2	9
52	Why â€œlate equals largeâ€•does not work. Neuroscience, 2009, 164, 1648-1652.	1.1	8
53	3D Morphometric Analysis Reveals Similar Ecomorphs for Early Kangaroos (Macropodidae) and Fanged Kangaroos (Balbaridae) from the Riversleigh World Heritage Area, Australia. Journal of Mammalian Evolution, 2021, 28, 199-219.	1.0	8
54	A fairer way to compare researchers at any career stage and in any discipline using open-access citation data. PLoS ONE, 2021, 16, e0257141.	1.1	8

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55	Testing hypotheses of marsupial brain size variation using phylogenetic multiple imputations and a Bayesian comparative framework. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210394.	1.2	6
56	Multiple regression modeling for estimating endocranial volume in extinct Mammalia. Paleobiology, 2013, 39, 149-162.	1.3	4
57	A tail of evolution: evaluating body length, weight and locomotion as potential drivers of tail length scaling in Australian marsupial mammals. Zoological Journal of the Linnean Society, 0, , .	1.0	3
58	Not like night and day: the nocturnal letter-winged kite does not differ from diurnal congeners in orbit or endocast morphology. Royal Society Open Science, 2022, 9, .	1.1	3
59	Authorâ€™s Reply to: Late Still Equals Large. Brain, Behavior and Evolution, 2010, 75, 7-7.	0.9	2
60	Coagulating colubrids: Evolutionary, pathophysiological and biodiscovery implications of venom variations between Dispholidus typus and Thelotornis mossambicanus. Toxicon, 2019, 158, S41.	0.8	0
61	Evolution: Bend it like basal synapsids. Current Biology, 2021, 31, R437-R439.	1.8	0