

Vera Weisbecker

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

2,016
citations

218381

26
h-index

276539

41
g-index

77
all docs

77
docs citations

77
times ranked

1877
citing authors

#	ARTICLE	IF	CITATIONS
1	Using 3D geometric morphometrics to aid taxonomic and ecological understanding of a recent speciation event within a small Australian marsupial (<i>Antechinus</i>: Dasyuridae). Zoological Journal of the Linnean Society, 2022, 196, 963-978.	1.0	10
2	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
3	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
4	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
5	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
6	Relative demographic susceptibility does not explain the extinction chronology of Sahulâ€™s megafauna. ELife, 2021, 10, .	2.8	10
7	The evolution of mammalian brain size. Science Advances, 2021, 7, .	4.7	84
8	Evolution: Bend it like basal synapsids. Current Biology, 2021, 31, R437-R439.	1.8	0
9	First record of a tomistomine crocodylian from Australia. Scientific Reports, 2021, 11, 12158.	1.6	17
10	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
11	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
12	Ontogenetic origins of cranial convergence between the extinct marsupial thylacine and placental gray wolf. Communications Biology, 2021, 4, 51.	2.0	11
13	Australian Rodents Reveal Conserved Cranial Evolutionary Allometry across 10 Million Years of Murid Evolution. American Naturalist, 2020, 196, 755-768.	1.0	26
14	Shifting spaces: Which disparity or dissimilarity measurement best summarize occupancy in multidimensional spaces?. Ecology and Evolution, 2020, 10, 7261-7275.	0.8	54
15	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
16	Disparities in the analysis of morphological disparity. Biology Letters, 2020, 16, 20200199.	1.0	60
17	The endocast of the Night Parrot (<i>Pezoporus occidentalis</i>) reveals insights into its sensory ecology and the evolution of nocturnality in birds. Scientific Reports, 2020, 10, 9258.	1.6	11
18	Australiaâ€™s prehistoric â€™swamp kingâ€™: revision of the Plio-Pleistocene crocodylian genus<i>Pallimnarchus</i> de Vis, 1886. PeerJ, 2020, 8, e10466.	0.9	18

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19	Primate hippocampus size and organization are predicted by sociality but not diet. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20191712.	1.2	13
20	Coagulating colubrids: Evolutionary, pathophysiological and biodiscovery implications of venom variations between <i>Dispholidus typus</i> and <i>Thelotornis mossambicanus</i> . <i>Toxicon</i> , 2019, 158, S41.	0.8	0
21	Individual variation of the masticatory system dominates 3D skull shape in the herbivory-adapted marsupial wombats. <i>Frontiers in Zoology</i> , 2019, 16, 41.	0.9	21
22	Developmental asynchrony and antagonism of sex determination pathways in a lizard with temperature-induced sex reversal. <i>Scientific Reports</i> , 2018, 8, 14892.	1.6	17
23	A new small-bodied ornithopod (Dinosauria, Ornithischia) from a deep, high-energy Early Cretaceous river of the Australian–Antarctic rift system. <i>PeerJ</i> , 2018, 5, e4113.	0.9	30
24	Low resolution scans can provide a sufficiently accurate, cost- and time-effective alternative to high resolution scans for 3D shape analyses. <i>PeerJ</i> , 2018, 6, e5032.	0.9	35
25	Out on a limb: bandicoot limb co-variation suggests complex impacts of development and adaptation on marsupial forelimb evolution. <i>Evolution & Development</i> , 2017, 19, 69-84.	1.1	19
26	Open data and digital morphology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170194.	1.2	103
27	The Evolution of Fangs, Venom, and Mimicry Systems in Blenny Fishes. <i>Current Biology</i> , 2017, 27, 1184-1191.	1.8	36
28	Sharing is caring? Measurement error and the issues arising from combining 3D morphometric datasets. <i>Ecology and Evolution</i> , 2017, 7, 7034-7046.	0.8	57
29	Testing hypotheses of developmental constraints on mammalian brain partition evolution, using marsupials. <i>Scientific Reports</i> , 2017, 7, 4241.	1.6	24
30	Coagulating Colubrids: Evolutionary, Pathophysiological and Biodiscovery Implications of Venom Variations between Boomslang (<i>Dispholidus typus</i>) and Twig Snake (<i>Thelotornis mossambicanus</i>). <i>Toxins</i> , 2017, 9, 171.	1.5	33
31	Sex determination mode does not affect body or genital development of the central bearded dragon (<i>Pogona vitticeps</i>). <i>EvoDevo</i> , 2017, 8, 25.	1.3	28
32	Getting a head in hard soils: Convergent skull evolution and divergent allometric patterns explain shape variation in a highly diverse genus of pocket gophers (<i>Thomomys</i>). <i>BMC Evolutionary Biology</i> , 2016, 16, 207.	3.2	35
33	Do Developmental Constraints and High Integration Limit the Evolution of the Marsupial Oral Apparatus?. <i>Integrative and Comparative Biology</i> , 2016, 56, 404-415.	0.9	49
34	Resolving the evolution of the mammalian middle ear using Bayesian inference. <i>Frontiers in Zoology</i> , 2016, 13, 39.	0.9	12
35	Mammalian development does not recapitulate suspected key transformations in the evolutionary detachment of the mammalian middle ear. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20152606.	1.2	24
36	The Evolution of Relative Brain Size in Marsupials Is Energetically Constrained but Not Driven by Behavioral Complexity. <i>Brain, Behavior and Evolution</i> , 2015, 85, 125-135.	0.9	36

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37	Reassessing the Relationship Between Brain Size, Life History, and Metabolism at the Marsupial/Placental Dichotomy. <i>Zoological Science</i> , 2014, 31, 608.	0.3	12
38	Multiple regression modeling for estimating endocranial volume in extinct Mammalia. <i>Paleobiology</i> , 2013, 39, 149-162.	1.3	4
39	Patterns and implications of extensive heterochrony in carnivoran cranial suture closure. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1294-1306.	0.8	34
40	An Improved Body Mass Dataset for the Study of Marsupial Brain Size Evolution. <i>Brain, Behavior and Evolution</i> , 2013, 82, 81-82.	0.9	14
41	Distortion in formalin-fixed brains: using geometric morphometrics to quantify the worst-case scenario in mice. <i>Brain Structure and Function</i> , 2012, 217, 677-685.	1.2	39
42	Skeletal ossification and sequence heterochrony in xenarthran evolution. <i>Evolution & Development</i> , 2011, 13, 460-476.	1.1	38
43	MONOTREME OSSIFICATION SEQUENCES AND THE RIDDLE OF MAMMALIAN SKELETAL DEVELOPMENT. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 1323-1335.	1.1	49
44	Neonatal maturity as the key to understanding brain size evolution in homeothermic vertebrates. <i>BioEssays</i> , 2011, 33, 155-158.	1.2	17
45	Marsupials indeed confirm an ancestral mammalian pattern: A reply to Isler. <i>BioEssays</i> , 2011, 33, 358-361.	1.2	9
46	A large-scale survey of heterochrony in anuran cranial ossification patterns. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2010, 48, 332-347.	0.6	41
47	Author's Reply to: Late Still Equals Large. <i>Brain, Behavior and Evolution</i> , 2010, 75, 7-7.	0.9	2
48	Brain size, life history, and metabolism at the marsupial/placental dichotomy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16216-16221.	3.3	108
49	Skeletal development in sloths and the evolution of mammalian vertebral patterning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18903-18908.	3.3	113
50	Bats that walk: a new evolutionary hypothesis for the terrestrial behaviour of New Zealand's endemic mystacinids. <i>BMC Evolutionary Biology</i> , 2009, 9, 169.	3.2	39
51	Developmental modularity and the marsupial-placental dichotomy. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2009, 312B, 186-195.	0.6	87
52	Why "late equals large" does not work. <i>Neuroscience</i> , 2009, 164, 1648-1652.	1.1	8
53	OSSIFICATION HETEROCHRONY IN THE THERIAN POSTCRANIAL SKELETON AND THE MARSUPIAL-PLACENTAL DICHOTOMY. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2027-2041.	1.1	116
54	Conserved relative timing of cranial ossification patterns in early mammalian evolution. <i>Evolution & Development</i> , 2008, 10, 519-530.	1.1	87

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55	PARALLEL EVOLUTION OF HAND ANATOMY IN KANGAROOS AND VOMBATIFORM MARSUPIALS: FUNCTIONAL AND EVOLUTIONARY IMPLICATIONS. <i>Palaeontology</i> , 2008, 51, 321-338.	1.0	20
56	Integration, heterochrony, and adaptation in pedal digits of syndactylous marsupials. <i>BMC Evolutionary Biology</i> , 2008, 8, 160.	3.2	19
57	Australia's Oldest Marsupial Fossils and their Biogeographical Implications. <i>PLoS ONE</i> , 2008, 3, e1858.	1.1	93
58	Autopodial skeletal diversity in hystricognath rodents: Functional and phylogenetic aspects. <i>Mammalian Biology</i> , 2007, 72, 27-44.	0.8	46
59	Carpal evolution in diprotodontian marsupials. <i>Zoological Journal of the Linnean Society</i> , 2006, 146, 369-384.	1.0	12
60	Evidence at hand: Diversity, functional implications, and locomotor prediction in intrinsic hand proportions of diprotodontian marsupials. <i>Journal of Morphology</i> , 2006, 267, 1469-1485.	0.6	43
61	A tail of evolution: evaluating body length, weight and locomotion as potential drivers of tail length scaling in Australian marsupial mammals. <i>Zoological Journal of the Linnean Society</i> , 0, , .	1.0	3