

Blaire Van Valkenburgh

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

6,897
citations

76031

42
h-index

78623

77
g-index

87
all docs

87
docs citations

87
times ranked

6234
citing authors

#	ARTICLE	IF	CITATIONS
1	Teaching Dynamics to Biology Undergraduates: the UCLA Experience. <i>Bulletin of Mathematical Biology</i> , 2022, 84, 43.	0.9	1
2	Low-Cost Forensics Reveal High Rates of Non-lethal Snaring and Shotgun Injuries in Zambia's Large Carnivores. <i>Frontiers in Conservation Science</i> , 2022, 3, .	0.9	8
3	â€œMucosal mapsâ€ of the canine nasal cavity: Microâ€computed tomography and histology. <i>Anatomical Record</i> , 2021, 304, 127-138.	0.8	6
4	Domesticating olfaction: Dog breeds, including scent hounds, have reduced cribriform plate morphology relative to wolves. <i>Anatomical Record</i> , 2021, 304, 139-153.	0.8	9
5	The dogâ€™human connection. <i>Anatomical Record</i> , 2021, 304, 10-18.	0.8	7
6	Dire wolves were the last of an ancient New World canid lineage. <i>Nature</i> , 2021, 591, 87-91.	13.7	43
7	Dental evidence for variation in diet over time and space in the Arctic fox, <i>Vulpes lagopus</i> . <i>Polar Biology</i> , 2021, 44, 509-523.	0.5	3
8	Naturally-occurring tooth wear, tooth fracture, and cranial injuries in large carnivores from Zambia. <i>PeerJ</i> , 2021, 9, e11313.	0.9	8
9	The impact of extreme skull morphology in domestic dogs on cribriform plate shape. <i>Anatomical Record</i> , 2021, 304, 190-201.	0.8	5
10	Reimagining the Introductory Math Curriculum for Life Sciences Students. <i>CBE Life Sciences Education</i> , 2021, 20, ar62.	1.1	1
11	Skeletal and Dental Development Preserve Evidence of Energetic Stress in the Moose of Isle Royale. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	1.1	1
12	Iterative evolution of large-bodied hypercarnivory in canids benefits species but not clades. <i>Communications Biology</i> , 2020, 3, 461.	2.0	9
13	Olfaction at depth: Cribriform plate size declines with dive depth and duration in aquatic arctoid carnivorans. <i>Ecology and Evolution</i> , 2020, 10, 6929-6953.	0.8	4
14	Problems with inferring a lack of competition between Rancho La Brea dire wolves and sabertooth cats based on dental enamel. <i>Current Biology</i> , 2020, 30, R149-R150.	1.8	3
15	Are we eating the world's megafauna to extinction?. <i>Conservation Letters</i> , 2019, 12, e12627.	2.8	108
16	Tooth fracture frequency in gray wolves reflects prey availability. <i>ELife</i> , 2019, 8, .	2.8	17
17	Diet-related differences in craniodental morphology between captive-reared and wild coyotes, <i>Canis latrans</i> (Carnivora: Canidae). <i>Biological Journal of the Linnean Society</i> , 2018, 123, 677-693.	0.7	17
18	Olfaction written in bone: cribriform plate size parallels olfactory receptor gene repertoires in Mammalia. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180100.	1.2	76

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19	Distinct Predatory Behaviors in Scimitar- and Dirk-Toothed Sabertooth Cats. <i>Current Biology</i> , 2018, 28, 3260-3266.e3.	1.8	28
20	Dietary specialization is linked to reduced species durations in North American fossil canids. <i>Royal Society Open Science</i> , 2018, 5, 171861.	1.1	20
21	Olfaction at depth: cribriform plate size declines with dive depth and duration in aquatic arctoids. <i>FASEB Journal</i> , 2018, 32, 84.2.	0.2	0
22	Skeletal trauma reflects hunting behaviour in extinct sabre-tooth cats and dire wolves. <i>Nature Ecology and Evolution</i> , 2017, 1, 131.	3.4	32
23	The Influence of Sniffing on Airflow and Odorant Deposition in the Canine Nasal Cavity. <i>Chemical Senses</i> , 2017, 42, 683-698.	1.1	32
24	Comparative Morphology and Histology of the Nasal Fossa in Four Mammals: Gray Squirrel, Bobcat, Coyote, and White-tailed Deer. <i>Anatomical Record</i> , 2016, 299, 840-852.	0.8	24
25	The influence of nasal airflow on respiratory and olfactory epithelial distribution in felids. <i>Journal of Experimental Biology</i> , 2016, 219, 1866-74.	0.8	26
26	Saving the World's Terrestrial Megafauna. <i>BioScience</i> , 2016, 66, 807-812.	2.2	168
27	The impact of large terrestrial carnivores on Pleistocene ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 862-867.	3.3	107
28	Repeated loss of frontal sinuses in arctoid carnivorans. <i>Journal of Morphology</i> , 2015, 276, 22-32.	0.6	17
29	Collapse of the world's largest herbivores. <i>Science Advances</i> , 2015, 1, e1400103.	4.7	750
30	Genome-wide Evidence Reveals that African and Eurasian Golden Jackals Are Distinct Species. <i>Current Biology</i> , 2015, 25, 2158-2165.	1.8	156
31	Tour of a Labyrinth: Exploring the Vertebrate Nose. <i>Anatomical Record</i> , 2014, 297, 1975-1984.	0.8	92
32	Quantifying the Cribriform Plate: Influences of Allometry, Function, and Phylogeny in Carnivora. <i>Anatomical Record</i> , 2014, 297, 2080-2092.	0.8	75
33	Coiling and maturation of a high-performance fibre in hagfish slime gland thread cells. <i>Nature Communications</i> , 2014, 5, 3534.	5.8	37
34	Respiratory and Olfactory Turbinals in Feliform and Caniform Carnivorans: The Influence of Snout Length. <i>Anatomical Record</i> , 2014, 297, 2065-2079.	0.8	56
35	Reconstruction and Morphometric Analysis of the Nasal Airway of the White-tailed Deer (<i>Odocoileus virginianus</i>) and Implications Regarding Respiratory and Olfactory Airflow. <i>Anatomical Record</i> , 2014, 297, 2138-2147.	0.8	30
36	Respiratory and olfactory turbinal size in canid and arctoid carnivorans. <i>Journal of Anatomy</i> , 2012, 221, 609-621.	0.9	56

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37	Aquatic adaptations in the nose of carnivorans: evidence from the turbinates. <i>Journal of Anatomy</i> , 2011, 218, 298-310.	0.9	80
38	A comparison of tooth wear and breakage in Rancho La Brea sabertooth cats and dire wolves across time. <i>Journal of Vertebrate Paleontology</i> , 2010, 30, 255-261.	0.4	36
39	Carnivores. <i>Current Biology</i> , 2010, 20, R915-R919.	1.8	24
40	Radiographs Reveal Exceptional Forelimb Strength in the Sabertooth Cat, <i>Smilodon fatalis</i> . <i>PLoS ONE</i> , 2010, 5, e11412.	1.1	47
41	Biomechanical Consequences of Rapid Evolution in the Polar Bear Lineage. <i>PLoS ONE</i> , 2010, 5, e13870.	1.1	67
42	Linking Top-down Forces to the Pleistocene Megafaunal Extinctions. <i>BioScience</i> , 2010, 60, 516-526.	2.2	94
43	Sociality in Rancho La Brea <i>Smilodon</i> : arguments favour "evidence" over "coincidence". <i>Biology Letters</i> , 2009, 5, 563-564.	1.0	9
44	The Ecological Role of the Mammalian Mesocarnivore. <i>BioScience</i> , 2009, 59, 165-173.	2.2	298
45	Forelimb indicators of prey size preference in the Felidae. <i>Journal of Morphology</i> , 2009, 270, 729-744.	0.6	126
46	Craniodental adaptations for digging in extinct burrowing beavers. <i>Journal of Vertebrate Paleontology</i> , 2009, 29, 254-268.	0.4	60
47	Parallels between playbacks and Pleistocene tar seeps suggest sociality in an extinct sabretooth cat, <i>Smilodon</i> . <i>Biology Letters</i> , 2009, 5, 81-85.	1.0	55
48	Skeletal indicators of locomotor adaptations in living and extinct rodents. <i>Journal of Morphology</i> , 2008, 269, 1387-1411.	0.6	224
49	Long in the tooth: evolution of sabertooth cat cranial shape. <i>Paleobiology</i> , 2008, 34, 403-419.	1.3	86
50	Deja vu: the evolution of feeding morphologies in the Carnivora. <i>Integrative and Comparative Biology</i> , 2007, 47, 147-163.	0.9	240
51	Megafaunal Extinctions and the Disappearance of a Specialized Wolf Ecomorph. <i>Current Biology</i> , 2007, 17, 1146-1150.	1.8	182
52	Molecular systematics of the Hyaenidae: Relationships of a relictual lineage resolved by a molecular supermatrix. <i>Molecular Phylogenetics and Evolution</i> , 2006, 38, 603-620.	1.2	92
53	Ecomorphological indicators of feeding behaviour in the bears (Carnivora: Ursidae). <i>Journal of Zoology</i> , 2004, 263, 41-54.	0.8	175
54	Respiratory turbinates of canids and felids: a quantitative comparison. <i>Journal of Zoology</i> , 2004, 264, 281-293.	0.8	62

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55	Cope's Rule, Hypercarnivory, and Extinction in North American Canids. <i>Science</i> , 2004, 306, 101-104.	6.0	281
56	Taphonomic analysis of large mammals recovered from the Pleistocene Rancho La Brea tar seeps. <i>Paleobiology</i> , 2003, 29, 561-575.	1.3	48
57	Dinosaurian and mammalian predators compared. <i>Paleobiology</i> , 2002, 28, 527-543.	1.3	33
58	Sexual dimorphism, social behavior, and intrasexual competition in large Pleistocene carnivorans. <i>Journal of Vertebrate Paleontology</i> , 2002, 22, 164-169.	0.4	71
59	Temporal variation in tooth fracture among Rancho La Brea dire wolves. <i>Journal of Vertebrate Paleontology</i> , 2002, 22, 423-428.	0.4	37
60	Evolutionary Patterns in the History of Permo-Triassic and Cenozoic Synapsid Predators. <i>The Paleontological Society Papers</i> , 2002, 8, 267-288.	0.8	27
61	Development of bite strength and feeding behaviour in juvenile spotted hyenas (<i>Crocuta crocuta</i>). <i>Journal of Zoology</i> , 2000, 252, 273-283.	0.8	127
62	Development of bite strength and feeding behaviour in juvenile spotted hyenas (<i>Crocuta crocuta</i>). , 2000, 252, 273.		2
63	MAJOR PATTERNS IN THE HISTORY OF CARNIVOROUS MAMMALS. <i>Annual Review of Earth and Planetary Sciences</i> , 1999, 27, 463-493.	4.6	224
64	Osteological corroboration of pathological stress in a population of endangered Florida pumas (<i>Puma concolor coryi</i>). <i>Animal Conservation</i> , 1998, 1, 39-46.	1.5	5
65	Exploring the health of late Pleistocene mammals: the use of Harris lines. <i>Journal of Vertebrate Paleontology</i> , 1998, 18, 180-188.	0.4	10
66	Testing hypotheses of differential mammalian extinctions subsequent to the Great American biotic interchange. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1997, 135, 157-162.	1.0	31
67	The Big Cats and Their Fossil Relatives: An Illustrated Guide to Their Evolution and Natural History. Alan Turner. <i>Quarterly Review of Biology</i> , 1997, 72, 478-478.	0.0	0
68	Five Million Years of Evolution in a Late Cenozoic Mammalian Predator Guild. <i>The Paleontological Society Special Publications</i> , 1996, 8, 405-405.	0.0	0
69	Darwin's Fox: A Distinct Endangered Species in a Vanishing Habitat. <i>Conservation Biology</i> , 1996, 10, 366-375.	2.4	55
70	Feeding Behavior in Free-Ranging, Large African Carnivores. <i>Journal of Mammalogy</i> , 1996, 77, 240-254.	0.6	144
71	Tracking ecology over geological time: evolution within guilds of vertebrates. <i>Trends in Ecology and Evolution</i> , 1995, 10, 71-76.	4.2	38
72	Extinction and replacement among predatory mammals in the North American late Eocene and Oligocene: Tracking a paleoguild over twelve million years. <i>Historical Biology</i> , 1994, 8, 129-150.	0.7	24

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73	Shape Divergence Associated with Size Convergence in Sympatric East African Jackals. <i>Ecology</i> , 1994, 75, 1567-1581.	1.5	90
74	Tough Times at La Brea: Tooth Breakage in Large Carnivores of the Late Pleistocene. <i>Science</i> , 1993, 261, 456-459.	6.0	188
75	Iterative evolution of hypercarnivory in canids (Mammalia: Carnivora): evolutionary interactions among sympatric predators. <i>Paleobiology</i> , 1991, 17, 340-362.	1.3	225
76	The Plio-Pleistocene cheetah-like cat <i>Miracinonyx inexpectatus</i> of North America. <i>Journal of Vertebrate Paleontology</i> , 1990, 10, 434-454.	0.4	62
77	The ecology of three sympatric jackal species in the Rift Valley of Kenya. <i>African Journal of Ecology</i> , 1989, 27, 313-323.	0.4	58
78	Trophic diversity in past and present guilds of large predatory mammals. <i>Paleobiology</i> , 1988, 14, 155-173.	1.3	246
79	Incidence of Tooth Breakage Among Large, Predatory Mammals. <i>American Naturalist</i> , 1988, 131, 291-302.	1.0	151
80	Skeletal indicators of locomotor behavior in living and extinct carnivores. <i>Journal of Vertebrate Paleontology</i> , 1987, 7, 162-182.	0.4	287
81	Locomotor diversity within past and present guilds of large predatory mammals. <i>Paleobiology</i> , 1985, 11, 406-428.	1.3	214
82	Costs of carnivory: tooth fracture in Pleistocene and Recent carnivorans. <i>Biological Journal of the Linnean Society</i> , 0, 96, 68-81.	0.7	72
83	Craniodental indicators of prey size preference in the Felidae. <i>Biological Journal of the Linnean Society</i> , 0, 96, 784-799.	0.7	110
84	Changes in dental wear and breakage in arctic foxes across space and time: Evidence for anthropogenic food subsidies?. <i>Canadian Journal of Zoology</i> , 0, , .	0.4	1