

Vladimir V Pravosudov

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99
papers

3,430
citations

36
h-index

55
g-index

113
ext. papers

3,833
ext. citations

3.5
avg, IF

5.64
L-index

#	Paper	IF	Citations
99	A test of the adaptive specialization hypothesis: Population differences in caching, memory, and the hippocampus in black-capped chickadees (<i>Poecile atricapilla</i>).. <i>Behavioral Neuroscience</i> , 2002 , 116, 515-522	2.1	218
98	Hippocampal volumes and neuron numbers increase along a gradient of environmental harshness: a large-scale comparison. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 401-5	4.4	109
97	Long-term moderate elevation of corticosterone facilitates avian food-caching behaviour and enhances spatial memory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 2599-604	4.4	105
96	Effects of nutritional restrictions during post-hatching development on adrenocortical function in western scrub-jays (<i>Aphelocoma californica</i>). <i>General and Comparative Endocrinology</i> , 2006 , 145, 25-31	3	100
95	Long-term unpredictable foraging conditions and physiological stress response in mountain chickadees (<i>Poecile gambeli</i>). <i>General and Comparative Endocrinology</i> , 2001 , 123, 324-31	3	97
94	Management of fat reserves and food caches in tufted titmice (<i>Parus bicolor</i>) in relation to unpredictable food supply. <i>Behavioral Ecology</i> , 1997 , 8, 332-339	2.3	93
93	Condition dependence, developmental plasticity, and cognition: implications for ecology and evolution. <i>Trends in Ecology and Evolution</i> , 2013 , 28, 290-6	10.9	91
92	Nutritional deficits during early development affect hippocampal structure and spatial memory later in life. <i>Behavioral Neuroscience</i> , 2005 , 119, 1368-74	2.1	88
91	Hippocampal memory consolidation during sleep: a comparison of mammals and birds. <i>Biological Reviews</i> , 2011 , 86, 658-91	13.5	87
90	Variation in memory and the hippocampus across populations from different climates: a common garden approach. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 402-10	4.4	87
89	Cognitive Ecology of Food Hoarding: The Evolution of Spatial Memory and the Hippocampus. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2013 , 44, 173-193	13.5	86
88	Birds as a model to study adult neurogenesis: bridging evolutionary, comparative and neuroethological approaches. <i>European Journal of Neuroscience</i> , 2011 , 34, 884-907	3.5	86
87	Behavioral Profile Predicts Dominance Status in Mountain Chickadees. <i>Animal Behaviour</i> , 2009 , 77, 1441-1448	4.4	86
86	Learning capabilities enhanced in harsh environments: a common garden approach. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 3187-93	4.4	84
85	The relationship between migratory behaviour, memory and the hippocampus: an intraspecific comparison. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 2641-9	4.4	74
84	Is bigger always better? A critical appraisal of the use of volumetric analysis in the study of the hippocampus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 915-31	5.8	70
83	Energy Management in Passerine Birds during the Nonbreeding Season 1997 , 189-234		68

82	The relationship between dominance, corticosterone, memory, and food caching in mountain chickadees (<i>Poecile gambeli</i>). <i>Hormones and Behavior</i> , 2003 , 44, 93-102	3.7	65
81	Elevation-related differences in memory and the hippocampus in mountain chickadees, <i>Poecile gambeli</i> . <i>Animal Behaviour</i> , 2012 , 84, 121-127	2.8	63
80	A test of the adaptive specialization hypothesis: population differences in caching, memory, and the hippocampus in black-capped chickadees (<i>Poecile atricapilla</i>). <i>Behavioral Neuroscience</i> , 2002 , 116, 515-22	2.1	63
79	Natural Selection and Spatial Cognition in Wild Food-Caching Mountain Chickadees. <i>Current Biology</i> , 2019 , 29, 670-676.e3	6.3	59
78	Ecologically relevant spatial memory use modulates hippocampal neurogenesis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010 , 277, 1071-9	4.4	51
77	Effects of demanding foraging conditions on cache retrieval accuracy in food-caching mountain chickadees (<i>Poecile gambeli</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 363-8	4.4	51
76	A dynamic model of short-term energy management in small food-caching and non-caching birds. <i>Behavioral Ecology</i> , 2001 , 12, 207-218	2.3	50
75	Effects of captivity and memory-based experiences on the hippocampus in mountain chickadees. <i>Behavioral Neuroscience</i> , 2009 , 123, 284-91	2.1	49
74	The ecological relevance of sleep: the trade-off between sleep, memory and energy conservation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 945-59	5.8	48
73	Integrating ecology, psychology and neurobiology within a food-hoarding paradigm. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 859-67	5.8	46
72	Spatial memory and cognitive flexibility trade-offs: to be or not to be flexible, that is the question. <i>Animal Behaviour</i> , 2019 , 147, 129-136	2.8	44
71	On seasonality in food-storing behaviour in parids: do we know the whole story?. <i>Animal Behaviour</i> , 2006 , 71, 1455-1460	2.8	43
70	Hippocampal neurogenesis is associated with migratory behaviour in adult but not juvenile sparrows (<i>Zonotrichia leucophrys</i> ssp.). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 138-43	4.4	42
69	Management of fat reserves in tufted titmice <i>Baeolophus bicolor</i> in relation to risk of predation. <i>Animal Behaviour</i> , 1998 , 56, 49-54	2.8	42
68	Social influences on food caching in willow tits: a field experiment. <i>Behavioral Ecology</i> , 1998 , 9, 122-129	2.3	42
67	Dominance-related changes in spatial memory are associated with changes in hippocampal cell proliferation rates in mountain chickadees. <i>Journal of Neurobiology</i> , 2005 , 62, 31-41		41
66	Predictably harsh environment is associated with reduced cognitive flexibility in wild food-caching mountain chickadees. <i>Animal Behaviour</i> , 2017 , 123, 139-149	2.8	39
65	The effect of social dominance on fattening and food-caching behaviour in Carolina chickadees, <i>Poecile carolinensis</i> . <i>Animal Behaviour</i> , 2000 , 60, 483-493	2.8	39

64	Dorsal cortex volume in male side-blotched lizards (<i>Uta stansburiana</i>) is associated with different space use strategies. <i>Animal Behaviour</i> , 2009 , 78, 91-96	2.8	38
63	Social Dominance and Energy Reserves in Wintering Woodland Birds. <i>Condor</i> , 1999 , 101, 880-884	2.1	36
62	The effect of environmental harshness on neurogenesis: a large-scale comparison. <i>Developmental Neurobiology</i> , 2011 , 71, 246-52	3.2	35
61	Toward a General Theory of Energy Management in Wintering Birds. <i>Journal of Avian Biology</i> , 1994 , 25, 255	1.9	34
60	Problem-solving ability and response to novelty in mountain chickadees (<i>Poecile gambeli</i>) from different elevations. <i>Behavioral Ecology and Sociobiology</i> , 2015 , 69, 635-643	2.5	33
59	The costs of being cool: a dynamic model of nocturnal hypothermia by small food-caching birds in winter. <i>Journal of Avian Biology</i> , 2000 , 31, 463-472	1.9	32
58	Is the western scrub-jay (<i>Aphelocoma californica</i>) really an underdog among food-caching corvids when it comes to hippocampal volume and food caching propensity?. <i>Brain, Behavior and Evolution</i> , 2006 , 67, 1-9	1.5	28
57	Prolonged moderate elevation of corticosterone does not affect hippocampal anatomy or cell proliferation rates in mountain chickadees (<i>Poecile gambeli</i>). <i>Journal of Neurobiology</i> , 2005 , 62, 82-91		27
56	Smart is the new sexy: female mountain chickadees increase reproductive investment when mated to males with better spatial cognition. <i>Ecology Letters</i> , 2019 , 22, 897-903	10	26
55	Memory in wild mountain chickadees from different elevations: comparing first-year birds with older survivors. <i>Animal Behaviour</i> , 2018 , 137, 149-160	2.8	26
54	An Arduino-Based RFID Platform for Animal Research. <i>Frontiers in Ecology and Evolution</i> , 2019 , 7,	3.7	25
53	Elevation-related differences in novel environment exploration and social dominance in food-caching mountain chickadees. <i>Behavioral Ecology and Sociobiology</i> , 2014 , 68, 1871-1881	2.5	25
52	Differential hippocampal gene expression is associated with climate-related natural variation in memory and the hippocampus in food-caching chickadees. <i>Molecular Ecology</i> , 2013 , 22, 397-408	5.7	25
51	Hippocampal neuron soma size is associated with population differences in winter climate severity in food-caching chickadees. <i>Functional Ecology</i> , 2013 , 27, 1341-1349	5.6	25
50	Variation in hippocampal morphology along an environmental gradient: controlling for the effects of day length. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 2662-7	4.4	25
49	Effects of Dominance on Vigilance in Avian Social Groups. <i>Auk</i> , 1999 , 116, 241-246	2.1	25
48	What makes specialized food-caching mountain chickadees successful city slickers?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017 , 284,	4.4	23
47	Flexible cue use in food-caching birds. <i>Animal Cognition</i> , 2009 , 12, 419-26	3.1	23

46	Daily patterns of energy storage in food-caching birds under variable daily predation risk: a dynamic state variable model. <i>Behavioral Ecology and Sociobiology</i> , 2001 , 50, 239-250	2.5	21
45	Environmental Influences on Spatial Memory and the Hippocampus in Food-Caching Chickadees. <i>Comparative Cognition and Behavior Reviews</i> , 2015 , 10, 25-43		20
44	Elevation related variation in aggressive response to mirror image in mountain chickadees. <i>Behaviour</i> , 2015 , 152, 667-676	1.4	19
43	Mountain chickadees discriminate between potential cache pilferers and non-pilferers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 55-61	4.4	19
42	Potential Mechanisms Driving Population Variation in Spatial Memory and the Hippocampus in Food-caching Chickadees. <i>Integrative and Comparative Biology</i> , 2015 , 55, 354-71	2.8	18
41	Interaction between territoriality, spatial environment, and hippocampal neurogenesis in male side-blotched lizards. <i>Behavioral Neuroscience</i> , 2013 , 127, 555-65	2.1	18
40	The effect of photoperiod on adrenocortical stress response in mountain chickadees (<i>Poecile gambeli</i>). <i>General and Comparative Endocrinology</i> , 2002 , 126, 242-8	3	17
39	Absence of population structure across elevational gradients despite large phenotypic variation in mountain chickadees (<i>Poecile gambeli</i>). <i>Royal Society Open Science</i> , 2017 , 4, 170057	3.3	16
38	Management of fat reserves in tufted titmice (<i>Parus bicolor</i>): evidence against a trade-off with food hoards. <i>Behavioral Ecology and Sociobiology</i> , 1998 , 42, 57-62	2.5	16
37	On the evolution of brain size in relation to migratory behaviour in birds. <i>Animal Behaviour</i> , 2007 , 73, 535-539	2.8	16
36	Fluctuations in annual climatic extremes are associated with reproductive variation in resident mountain chickadees. <i>Royal Society Open Science</i> , 2018 , 5, 171604	3.3	15
35	Evidence for long-term spatial memory in a parid. <i>Animal Cognition</i> , 2012 , 15, 149-54	3.1	14
34	Population genetic structure and its implications for adaptive variation in memory and the hippocampus on a continental scale in food-caching black-capped chickadees. <i>Molecular Ecology</i> , 2012 , 21, 4486-97	5.7	14
33	No latitudinal differences in adrenocortical stress response in wintering black-capped chickadees (<i>Poecile atricapilla</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2004 , 137, 95-103	2.6	14
32	Mountain chickadees from different elevations sing different songs: acoustic adaptation, temporal drift or signal of local adaptation?. <i>Royal Society Open Science</i> , 2015 , 2, 150019	3.3	13
31	Body Mass, Ambient Temperature, Time of Day, and Vigilance in Tufted Titmice. <i>Auk</i> , 1998 , 115, 221-223	2.1	13
30	Elevation-related differences in female mate preference in mountain chickadees: are smart chickadees choosier?. <i>Animal Behaviour</i> , 2015 , 99, 89-94	2.8	12
29	Variation in hippocampal glial cell numbers in food-caching birds from different climates. <i>Developmental Neurobiology</i> , 2013 , 73, 480-5	3.2	11

28	No effect of social group composition or size on hippocampal formation morphology and neurogenesis in mountain chickadees (<i>Poecile gambeli</i>). <i>Developmental Neurobiology</i> , 2010 , 70, 538-47	3.2	11
27	Variation in brain regions associated with fear and learning in contrasting climates. <i>Brain, Behavior and Evolution</i> , 2012 , 79, 181-90	1.5	9
26	Elevation-related differences in the age structure of breeding birds suggest stronger selection at harsher elevations. <i>Behavioral Ecology and Sociobiology</i> , 2019 , 73, 1	2.5	8
25	Elevation-Related Differences in Parental Risk-Taking Behavior are Associated with Cognitive Variation in Mountain Chickadees. <i>Ethology</i> , 2015 , 121, 383-394	1.7	8
24	Biases in measuring the brain: the trouble with the telencephalon. <i>Brain, Behavior and Evolution</i> , 2009 , 73, 253-8	1.5	8
23	Tits, Warblers, and Finches: Foliage-Gleaning Birds of Nearctic and Palearctic Boreal Forests. <i>Condor</i> , 1999 , 101, 299-310	2.1	8
22	Testing the greater male variability phenomenon: male mountain chickadees exhibit larger variation in reversal learning performance compared with females. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20200895	4.4	8
21	Environmental experiences influence cortical volume in territorial and nonterritorial side-blotched lizards, <i>Uta stansburiana</i> . <i>Animal Behaviour</i> , 2016 , 115, 11-18	2.8	7
20	Chickadees with bigger brains have smaller digestive tracts: a multipopulation comparison. <i>Brain, Behavior and Evolution</i> , 2014 , 84, 172-80	1.5	7
19	Chickadees are selfish group members when it comes to food caching. <i>Animal Behaviour</i> , 2010 , 80, 175-188		7
18	Divergence in foraging behavior of foliage-gleaning birds of Canadian and Russian boreal forests. <i>Oecologia</i> , 1999 , 120, 451-462	2.9	6
17	Development of Spatial Memory and the Hippocampus under Nutritional Stress 88-110		6
16	The genetic basis of spatial cognitive variation in a food-caching bird. <i>Current Biology</i> , 2021 ,	6.3	5
15	The relationship between environment, corticosterone, food caching, spatial memory, and the hippocampus in chickadees 2007 , 25-42		5
14	Specialized spatial cognition is associated with reduced cognitive senescence in a food-caching bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20203180	4.4	5
13	Mountain chickadees return to their post-natal dispersal settlements following long-term captivity. <i>Behaviour</i> , 2016 , 153, 551-567	1.4	5
12	Variation in song structure along an elevation gradient in a resident songbird. <i>Behavioral Ecology and Sociobiology</i> , 2020 , 74, 1	2.5	3
11	Food discovery is associated with different reliance on social learning and lower cognitive flexibility across environments in a food-caching bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20202843	4.4	3

10	Tough times call for bigger brains. <i>Communicative and Integrative Biology</i> , 2009 , 2, 236-8	1.7	2
9	Reproduction is affected by individual breeding experience but not pair longevity in a socially monogamous bird. <i>Behavioral Ecology and Sociobiology</i> , 2021 , 75, 1	2.5	2
8	Do Male Mountain Chickadees Discriminate between Local and Non-Local Elevation Intruders?. <i>Ethology</i> , 2016 , 122, 376-388	1.7	2
7	Increased Testosterone Decreases Medial Cortical Volume and Neurogenesis in Territorial Side-Blotched Lizards (). <i>Frontiers in Neuroscience</i> , 2017 , 11, 97	5.1	1
6	Social dominance has limited effects on spatial cognition in a wild food-caching bird. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211784	4.4	0
5	Information maintenance of food sources is associated with environment, spatial cognition and age in a food-caching bird. <i>Animal Behaviour</i> , 2021 , 182, 153-172	2.8	0
4	Food-hoarding and nest-building propensities are associated in a cavity-nesting bird. <i>Behavioral Ecology and Sociobiology</i> , 2022 , 76, 1	2.5	0
3	Memory, Learning, Hormones and Behavior 2019 , 625-634		
2	Animal culture: Newcomers help adopt more efficient behaviors. <i>Current Biology</i> , 2021 , 31, R736-R738	6.3	
1	Cognitive ecology in the wild Advances and challenges in avian cognition research. <i>Current Opinion in Behavioral Sciences</i> , 2022 , 45, 101138	4	