Christopher B Sturdy

List of Publications by Year
in descending order

115	2,426	218677	243625
papers	citations	26 h-index	44 g-index

116	116	116	1633
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Among-individual differences in auditory and physical cognitive abilities in zebra finches. Learning and Behavior, 2022, 50, 389-404.	1.0	4
2	Ronald Weisman. , 2022, , 6125-6128.		0
3	Passerine Vocal Communication. , 2022, , 5071-5077.		0
4	Comparing methodologies for classification of zebra finch distance calls. Journal of the Acoustical Society of America, 2022, 151, 3305-3314.	1.1	1
5	Pitch chroma information is processed in addition to pitch height information with more than two pitch-range categories. Attention, Perception, and Psychophysics, 2022, 84, 1757-1771.	1.3	3
6	Corrigendum to: Black-capped Chickadees (Poecile atricapillus) can identify individual females by their fee-bee songs. Auk, 2021, 138, .	1.4	0
7	The impact of anthropogenic noise on individual identification via female song in Black-capped chickadees (Poecile atricapillus). Scientific Reports, 2021, 11, 17530.	3.3	3
8	Individual acoustic differences in female black-capped chickadee (poecile atricapillus) fee-bee songs. Journal of the Acoustical Society of America, 2021, 150, 3038-3046.	1.1	2
9	Can you hear me now? The effect of signal degradation on perceived predator threat in black-capped chickadees (Poecile atricapillus). Animal Cognition, 2021, 24, 193-204.	1.8	3
10	Differential immediate early gene activity revealed by playback of male and female incomplete chick-a-dee calls. Behavioural Brain Research, 2020, 393, 112775.	2.2	0
11	Black-capped Chickadees (Poecile atricapillus) can identify individual females by their fee-bee songs. Auk, 2020, 137, .	1.4	4
12	Acoustic discrimination of predators by black-capped chickadees (Poecile atricapillus). Animal Cognition, 2020, 23, 595-611.	1.8	4
13	Unifying psychological and biological approaches to understanding animal cognition.. Canadian Journal of Experimental Psychology, 2020, 74, 157-159.	0.8	0
14	ZENK expression in the auditory pathway of black-capped chickadees (Poecile atricapillus) as a function of D note number and duty cycle of chick-a-dee calls. Behavioural Brain Research, 2019, 356, 490-494.	2.2	3
15	Sometimes a stick might just be a stick. Learning and Behavior, 2019, 47, 115-116.	1.0	0
16	Abcam Monoclonal Egr-1 ab133695 is an effective primary antibody replacement for Santa Cruz sc-189 polyclonal Egr-1 in songbirds. Heliyon, 2019, 5, e02938.	3.2	4
17	The effects of anthropogenic noise on feeding behaviour in black-capped chickadees (Poecile) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	7
18	Hear them roar: A comparison of black-capped chickadee (Poecile atricapillus) and human (Homo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 of Comparative Psychology (Washington, D C: 1983), 2019, 133, 520-541.	0.5	7

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19	Seasonal variability in habitat structure may have shaped acoustic signals and repertoires in the black-capped and boreal chickadees. Evolutionary Ecology, 2018, 32, 57-74.	1.2	7
20	Mitigating road impacts on animals through learning principles. Animal Cognition, 2017, 20, 19-31.	1.8	17
21	Discrimination of male black-capped chickadee songs: relationship between acoustic preference and performance accuracy. Animal Behaviour, 2017, 126, 107-121.	1.9	2
22	ZENK expression following conspecific and heterospecific playback in the zebra finch auditory forebrain. Behavioural Brain Research, 2017, 331, 151-158.	2.2	7
23	Humans recognize emotional arousal in vocalizations across all classes of terrestrial vertebrates: evidence for acoustic universals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170990.	2.6	93
24	Avian Vocal Perception: Bioacoustics and Perceptual Mechanisms. , 2017, , 270-295.		1
25	Discrimination of acoustically similar conspecific and heterospecific vocalizations by black-capped chickadees (Poecile atricapillus). Animal Cognition, 2017, 20, 639-654.	1.8	2
26	Chickadees discriminate contingency reversals presented consistently, but not frequently. Animal Cognition, 2017, 20, 655-663.	1.8	6
27	Fast- and slow-exploring pigeons differ in how they use previously learned rules. Behavioural Processes, 2017, 134, 54-62.	1.1	15
28	How Much of Language Acquisition Does Operant Conditioning Explain?. Frontiers in Psychology, 2017, 8, 1918.	2.1	8
29	Mechanisms of Communication and Cognition in Chickadees. Advances in the Study of Behavior, 2017, 49, 147-197.	1.6	1
30	Passerine Vocal Communication. , 2017, , 1-7.		2
31	Ronald Weisman. , 2017, , 1-4.		0
32	An investigation of sex differences in acoustic features in black-capped chickadee (Poecile) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td	1.1	8
33	Pigeons perform poorly on a midsession reversal task without rigid temporal regularity. Animal Cognition, 2016, 19, 855-859.	1.8	10
34	Hearing is believing: Birds learn fear. Learning and Behavior, 2016, 44, 205-206.	1.0	2
35	Black-capped chickadees categorize songs based on features that vary geographically. Animal Behaviour, 2016, 112, 93-104.	1.9	6
36	When is a choice not a choice? Pigeons fail to inhibit incorrect responses on a go/no-go midsession reversal task.. Journal of Experimental Psychology Animal Learning and Cognition, 2015, 41, 255-265.	0.5	19

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37	Commentary: A crisis in comparative psychology: where have all the undergraduates gone?. Frontiers in Psychology, 2015, 6, 1589.	2.1	8
38	Biological salience influences performance and acoustic mechanisms for the discrimination of male and female songs. Animal Behaviour, 2015, 104, 213-228.	1.9	10
39	Experience affects immediate early gene expression in response to conspecific call notes in black-capped chickadees (Poecile atricapillus). Behavioural Brain Research, 2015, 287, 49-58.	2.2	8
40	Avian cognition: examples of sophisticated capabilities in space and song. Wiley Interdisciplinary Reviews: Cognitive Science, 2015, 6, 285-297.	2.8	6
41	Individual differences in learning speed, performance accuracy and exploratory behaviour in black-capped chickadees. Animal Cognition, 2015, 18, 165-178.	1.8	88
42	ZENK Activation in the Nidopallium of Black-Capped Chickadees in Response to Both Conspecific and Heterospecific Calls. PLoS ONE, 2014, 9, e100927.	2.5	21
43	Water-soluble photoluminescent <scp>d</scp>-mannose and <scp>l</scp>-alanine functionalized silicon nanocrystals and their application to cancer cell imaging. Journal of Materials Chemistry B, 2014, 2, 8427-8433.	5.8	37
44	A comparative analysis of auditory perception in humans and songbirds: A modular approach. Behavioural Processes, 2014, 104, 35-43.	1.1	5
45	Timbre influences chord discrimination in black-capped chickadees (Poecile atricapillus) but not humans (Homo sapiens).. Journal of Comparative Psychology (Washington, D C: 1983), 2014, 128, 387-401.	0.5	7
46	Chickadees fail standardized operant tests for octave equivalence. Animal Cognition, 2013, 16, 599-609.	1.8	21
47	Physical condition of Black-capped Chickadees (Poecile atricapillus) in relation to road disturbance. Canadian Journal of Zoology, 2013, 91, 842-845.	1.0	3
48	Female song in black-capped chickadees (Poecile atricapillus): Acoustic song features that contain individual identity information and sex differences. Behavioural Processes, 2013, 98, 98-105.	1.1	32
49	Anthropogenic noise decreases urban songbird diversity and may contribute to homogenization. Global Change Biology, 2013, 19, 1075-1084.	9.5	135
50	Dominance and geographic information contained within black-capped chickadee (PoecileÂatricapillus)Âsong. Behaviour, 2013, 150, 1601-1622.	0.8	12
51	Heterospecific discrimination of Poecile vocalizations by zebra finches (Taeniopygia guttata).. Journal of Comparative Psychology (Washington, D C: 1983), 2013, 127, 227-236.	0.5	7
52	Habitat Quality Affects Early Physiology and Subsequent Neuromotor Development of Juvenile Black-Capped Chickadees. PLoS ONE, 2013, 8, e71852.	2.5	15
53	Identifying absolute pitch possessors without using a note-naming task.. Psychomusicology: Music, Mind and Brain, 2012, 22, 46-54.	0.3	5
54	Black-capped chickadee (Poecile atricapillus) and human (Homo sapiens) chord discrimination.. Journal of Comparative Psychology (Washington, D C: 1983), 2012, 126, 57-67.	0.5	18

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55	Pitch chroma discrimination, generalization, and transfer tests of octave equivalence in humans. Attention, Perception, and Psychophysics, 2012, 74, 1742-1760.	1.3	24
56	Auditory Same/Different Concept Learning and Generalization in Black-Capped Chickadees (Poecile) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	8
57	Biological relevance of acoustic signal affects discrimination performance in a songbird. Animal Cognition, 2012, 15, 677-688.	1.8	20
58	Blackâ€capped chickadees Poecile atricapillus sing at higher pitches with elevated anthropogenic noise, but not with decreasing canopy cover. Journal of Avian Biology, 2012, 43, 325-332.	1.2	27
59	Predicting shifts in generalization gradients with perceptrons. Learning and Behavior, 2012, 40, 128-144.	1.0	17
60	New Perspectives on Absolute Pitch in Birds and Mammals. , 2012, , .		1
61	Seasonal variation of vocal behaviour in a temperate songbird: Assessing the effects of laboratory housing on wild-caught, seasonally breeding birds. Behavioural Processes, 2011, 88, 177-183.	1.1	9
62	Flexibility in Animal Signals Facilitates Adaptation to Rapidly Changing Environments. PLoS ONE, 2011, 6, e25413.	2.5	29
63	Individual differences and repeatability in vocal production: stress-induced calling exposes a songbird's personality. Die Naturwissenschaften, 2011, 98, 977-981.	1.6	20
64	Sometimes slower is better: slow-exploring birds are more sensitive to changes in a vocal discrimination task. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 767-773.	2.6	186
65	Note types and coding in Parid vocalizations: Thechick-a-deecall of the boreal chickadee (Poecile hudsonicus). Journal of the Acoustical Society of America, 2011, 129, 3327-3340.	1.1	6
66	Development of a contact call in black-capped chickadees (Poecile atricapillus) hand-reared in different acoustic environments. Journal of the Acoustical Society of America, 2011, 130, 2249-2256.	1.1	6
67	Neural Correlates of Threat Perception: Neural Equivalence of Conspecific and Heterospecific Mobbing Calls Is Learned. PLoS ONE, 2011, 6, e23844.	2.5	36
68	Mechanisms of call note-type perception in black-capped chickadees (Poecile atricapillus): Peak shift in a note-type continuum.. Journal of Comparative Psychology (Washington, D C: 1983), 2010, 124, 109-115.	0.5	18
69	Absolute pitch in boreal chickadees and humans: Exceptions that test a phylogenetic rule. Learning and Motivation, 2010, 41, 156-173.	1.2	15
70	Dominance signalled in an acoustic ornament. Animal Behaviour, 2010, 79, 657-664.	1.9	43
71	Acoustic Mechanisms of a Species-Based Discrimination of the chick-a-dee Call in Sympatric Black-Capped (Poecile atricapillus) and Mountain Chickadees (P. gambeli). Frontiers in Psychology, 2010, 1, 229.	2.1	8
72	Black-capped (Poecile atricapillus) and mountain chickadee (Poecile gambeli) contact call contains species, sex, and individual identity features. Journal of the Acoustical Society of America, 2010, 127, 1116-1123.	1.1	16

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73	Using network models of absolute pitch to compare frequency-range discriminations across avian species. Behavioural Processes, 2010, 84, 421-427.	1.1	4
74	Note Types and Coding in Parid Vocalizations: Thechick-a-deeCall of the Mexican ChickadeePoecile sclateri. Acta Ornithologica, 2010, 45, 147-160.	0.5	8
75	Acoustic transmission of the chick-a-dee call of the Black-capped Chickadee (Poecile atricapillus): forest structure and note function. Canadian Journal of Zoology, 2010, 88, 788-794.	1.0	10
76	Note types and coding in Parid vocalizations: The chick-a-dee call of the chestnut-backed chickadee (Poecile rufuscens). Journal of the Acoustical Society of America, 2009, 126, 2088-2099.	1.1	12
77	The effect of schedules of reinforcement on the composition of spontaneous and evoked black-capped chickadee calls. Journal of Experimental Biology, 2009, 212, 3016-3025.	1.7	7
78	Comparing black-capped (Poecile atricapillus) and mountain chickadees (Poecile gambeli): use of geometric and featural information in a spatial orientation task. Animal Cognition, 2009, 12, 633-641.	1.8	30
79	Exploration of a novel space is associated with individual differences in learning speed in black-capped chickadees, Poecile atricapillus. Behavioural Processes, 2009, 82, 265-270.	1.1	141
80	The Comparative Psychology of Absolute Pitch. , 2009, , 71-86.		11
81	All â€œchick-a-deeâ€•calls are not created equally. Behavioural Processes, 2008, 77, 87-99.	1.1	26
82	All â€œchick-a-deeâ€•calls are not created equally. Behavioural Processes, 2008, 77, 73-86.	1.1	25
83	Categorization and discrimination of â€œchick-a-deeâ€•calls by wild-caught and hand-reared chickadees. Behavioural Processes, 2008, 77, 166-176.	1.1	13
84	Thinking outside the box: A tribute to the contributions of Ronald G. Weisman. Behavioural Processes, 2008, 77, 139-141.	1.1	0
85	Seasonal and diurnal patterns of black-capped chickadee (Poecile atricapillus) vocal production. Behavioural Processes, 2008, 77, 149-155.	1.1	26
86	Differential effects of vocalization type, singer and listener on ZENK immediate early gene response in black-capped chickadees (Poecile atricapillus). Behavioural Brain Research, 2008, 188, 201-208.	2.2	36
87	Feature weighting in â€œchick-a-deeâ€•call notes of Poecile atricapillus. Journal of the Acoustical Society of America, 2007, 122, 2451-2458.	1.1	2
88	Chickadee vocal production and perception: An integrative approach to understanding acoustic communication. , 2007, , 153-166.		14
89	SYNOPSIS III: Complexities in vocal communication. , 2007, , 235-240.		2
90	Rationale and methodology for testing auditory cognition in songbirds. Behavioural Processes, 2006, 72, 265-272.	1.1	34

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91	Statistical classification of black-capped (Poecile atricapillus) and mountain chickadee (Poecile) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	15
92	Frequency-range discriminations and absolute pitch in black-capped chickadees (Poecile atricapillus), mountain chickadees (Poecile gambeli), and zebra finches (Taeniopygia guttata).. Journal of Comparative Psychology (Washington, D C: 1983), 2006, 120, 217-228.	0.5	17
93	Using an artificial neural network to classify black-capped chickadee (Poecile atricapillus) call note types. Journal of the Acoustical Society of America, 2006, 119, 3161-3172.	1.1	23
94	Artificial neural network discrimination of black-capped chickadee (Poecile atricapillus) call notes. Journal of the Acoustical Society of America, 2006, 120, 1111-1117.	1.1	20
95	Note types and coding in parid vocalizations. III: The chick-a-dee call of the Carolina chickadee (Poecile carolinensis). Canadian Journal of Zoology, 2005, 83, 820-833.	1.0	41
96	Call-based species recognition in black-capped chickadees. Behavioural Processes, 2005, 70, 271-281.	1.1	62
97	Spatial encoding in mountain chickadees: features overshadow geometry. Biology Letters, 2005, 1, 314-317.	2.3	105
98	Acoustic Mechanisms of Note-Type Perception in Black-Capped Chickadee (Poecile atricapillus) Calls.. Journal of Comparative Psychology (Washington, D C: 1983), 2005, 119, 371-380.	0.5	24
99	Note types and coding in parid vocalizations. II: The chick-a-dee call of the mountain chickadee (Poecile) Tj ETQq1 1 0.784314 rgBT /Ove	1.0	38
100	A social call. Nature, 2004, 430, 414-414.	27.8	6
101	Note types and coding in parid vocalizations. I: The chick-a-dee call of the black-capped chickadee (Poecile atricapillus). Canadian Journal of Zoology, 2004, 82, 769-779.	1.0	76
102	A behavior analysis of absolute pitch: sex, experience, and species. Behavioural Processes, 2004, 66, 289-307.	1.1	47
103	Does reduced social contact affect discrimination of distance cues and individual vocalizations?. Animal Behaviour, 2003, 65, 911-922.	1.9	30
104	Open-ended categorization of chick-a-dee calls by black-capped chickadees (Poecile atricapilla).. Journal of Comparative Psychology (Washington, D C: 1983), 2003, 117, 290-301.	0.5	27
105	A bird's eye view: top down intracellular analyses of auditory selectivity for learned vocalizations. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 188, 879-895.	1.6	25
106	Discrimination of individual vocalizations by black-capped chickadees (Poecile atricapilla). Learning and Behavior, 2002, 30, 43-52.	3.4	30
107	Reduced social contact causes auditory perceptual deficits in zebra finches, Taeniopygia guttata. Animal Behaviour, 2001, 62, 1207-1218.	1.9	54
108	Call-note discriminations in black-capped chickadees (Poecile atricapillus).. Journal of Comparative Psychology (Washington, D C: 1983), 2000, 114, 357-364.	0.5	37

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109	Bird communication: Two voices are better than one. Current Biology, 2000, 10, R634-R636.	3.9	7
110	Song-note discriminations in zebra finches (Taeniopygia guttata): Categories and pseudocategories.. Journal of Comparative Psychology (Washington, D C: 1983), 1999, 113, 204-212.	0.5	37
111	Note types, harmonic structure, and note order in the songs of zebra finches (Taeniopygia guttata).. Journal of Comparative Psychology (Washington, D C: 1983), 1999, 113, 194-203.	0.5	43
112	Discrimination of auditory distance cues by black-capped chickadees (Poecile atricapillus) and zebra finches (Taeniopygia guttata).. Journal of Comparative Psychology (Washington, D C: 1983), 1998, 112, 282-291.	0.5	17
113	Frequencyâ€“range discriminations: Special and general abilities in zebra finches (Taeniopygia guttata) and humans (Homo sapiens).. Journal of Comparative Psychology (Washington, D C: 1983), 1998, 112, 244-258.	0.5	45
114	Intratrial proactive interference in ratsâ€™ serial alternation performance in the radial maze. Learning and Behavior, 1996, 24, 300-309.	3.4	8
115	It's All a Matter of Time: Interval Timing and Competition for Stimulus Control. Comparative Cognition and Behavior Reviews, 0, 12, 83-103.	2.0	12