

Ofer Tchernichovski

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

3,281
citations

218677

26
h-index

223800

46
g-index

56
all docs

56
docs citations

56
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	Birdsong Learning and Culture: Analogies with Human Spoken Language. Annual Review of Linguistics, 2021, 7, 449-472.	2.3	22
2	Experimenting With Online Governance. Frontiers in Human Dynamics, 2021, 3, .	1.8	0
3	Balanced imitation sustains song culture in zebra finches. Nature Communications, 2021, 12, 2562.	12.8	19
4	Categorical Rhythms Are Shared between Songbirds and Humans. Current Biology, 2020, 30, 3544-3555.e6.	3.9	39
5	A Modular Approach to Vocal Learning: Disentangling the Diversity of a Complex Behavioral Trait. Neuron, 2019, 104, 87-99.	8.1	47
6	Crowd wisdom enhanced by costly signaling in a virtual rating system. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7256-7265.	7.1	5
7	Culture and Learning: Bird Song. , 2019, , 606-614.		0
8	Regularities in zebra finch song beyond the repeated motif. Behavioural Processes, 2019, 163, 53-59.	1.1	33
9	miR-9 regulates basal ganglia-dependent developmental vocal learning and adult vocal performance in songbirds. ELife, 2018, 7, .	6.0	13
10	Studying the Mechanisms of Developmental Vocal Learning and Adult Vocal Performance in Zebra Finches through Lentiviral Injection. Bio-protocol, 2018, 8, .	0.4	2
11	How social learning adds up to a culture: from birdsong to human public opinion. Journal of Experimental Biology, 2017, 220, 124-132.	1.7	17
12	Songbirds work around computational complexity by learning song vocabulary independently of sequence. Nature Communications, 2017, 8, 1247.	12.8	56
13	Tradeoff Between Distributed Social Learning and Herding Effect in Online Rating Systems. SAGE Open, 2017, 7, 215824401769107.	1.7	4
14	Animal Communication: Origins of Sequential Structure in Birdsong. Current Biology, 2017, 27, R1268-R1269.	3.9	5
15	Statistical learning in songbirds: from self-tutoring to song culture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160053.	4.0	34
16	Sexual dimorphism in striatal dopaminergic responses promotes monogamy in social songbirds. ELife, 2017, 6, .	6.0	20
17	Finding the Beat: From Socially Coordinated Vocalizations in Songbirds to Rhythmic Entrainment in Humans. Frontiers in Human Neuroscience, 2016, 10, 255.	2.0	23
18	Encoding vocal culture. Science, 2016, 354, 1234-1235.	12.6	1

#	ARTICLE	IF	CITATIONS
19	Vocal Development: How Marmoset Infants Express Their Feelings. <i>Current Biology</i> , 2016, 26, R422-R424.	3.9	7
20	Temporal regularity increases with repertoire complexity in the Australian pied butcherbird's song. <i>Royal Society Open Science</i> , 2016, 3, 160357.	2.4	15
21	Social influences on song learning. <i>Current Opinion in Behavioral Sciences</i> , 2016, 7, 101-107.	3.9	21
22	The Forebrain Song System Mediates Predictive Call Timing in Female and Male Zebra Finches. <i>Current Biology</i> , 2016, 26, 309-318.	3.9	91
23	A rhythm landscape approach to the developmental dynamics of birdsong. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150802.	3.4	34
24	Marmoset kids actually listen. <i>Science</i> , 2015, 349, 688-689.	12.6	15
25	Vocal learning beyond imitation: mechanisms of adaptive vocal development in songbirds and human infants. <i>Current Opinion in Neurobiology</i> , 2014, 28, 42-47.	4.2	32
26	Investigation of musicality in birdsong. <i>Hearing Research</i> , 2014, 308, 71-83.	2.0	49
27	Stepwise acquisition of vocal combinatorial capacity in songbirds and human infants. <i>Nature</i> , 2013, 498, 104-108.	27.8	177
28	Time Scales of Vocal Learning in Songbirds. , 2013, , 43-60.		3
29	Vocal Exploration Is Locally Regulated during Song Learning. <i>Journal of Neuroscience</i> , 2012, 32, 3422-3432.	3.6	46
30	Quantification of developmental birdsong learning from the subsyllabic scale to cultural evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15572-15579.	7.1	45
31	The development of stimulus-specific auditory responses requires song exposure in male but not female zebra finches. <i>Developmental Neurobiology</i> , 2010, 70, 28-40.	3.0	36
32	CONSIDERING LANGUAGE EVOLUTION FROM BIRDSONG DEVELOPMENT. , 2010, , .		0
33	De novo establishment of wild-type song culture in the zebra finch. <i>Nature</i> , 2009, 459, 564-568.	27.8	251
34	Neurons of imitation. <i>Nature</i> , 2008, 451, 249-250.	27.8	20
35	EVOLUTION OF SONG CULTURE IN THE ZEBRA FINCH. , 2008, , .		2
36	Functional MRI of the zebra finch brain during song stimulation suggests a lateralized response topography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10667-10672.	7.1	75

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37	Characterizing Animal Behavior through Audio and Video Signal Processing. IEEE MultiMedia, 2007, 14, 32-41.	1.7	6
38	Multimedia signal processing for behavioral quantification in neuroscience. , 2006, , .		0
39	How sleep affects the developmental learning of bird song. Nature, 2005, 433, 710-716.	27.8	285
40	Studying the Song Development Process: Rationale and Methods. Annals of the New York Academy of Sciences, 2004, 1016, 348-363.	3.8	82
41	Song Development: In Search of the Error-Signal. Annals of the New York Academy of Sciences, 2004, 1016, 364-376.	3.8	30
42	Towards quantification of vocal imitation in the zebra finch. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 188, 867-878.	1.6	26
43	Dynamics of the Vocal Imitation Process: How a Zebra Finch Learns Its Song. Science, 2001, 291, 2564-2569.	12.6	445
44	A procedure for an automated measurement of song similarity. Animal Behaviour, 2000, 59, 1167-1176.	1.9	642
45	Vocal imitation in zebra finches is inversely related to model abundance. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12901-12904.	7.1	125
46	Context determines the sex appeal of male zebra finch song. Animal Behaviour, 1998, 55, 1003-1010.	1.9	43
47	The dynamics of long-term exploration in the rat. Biological Cybernetics, 1998, 78, 423-432.	1.3	103
48	The dynamics of long term exploration in the rat. Biological Cybernetics, 1998, 78, 433-440.	1.3	26
49	Social inhibition of song imitation among sibling male zebra finches. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 8951-8956.	7.1	94
50	Keeping the Body Straight in the Unconstrained Locomotion of Normal and Dopamine-Stimulant-Treated Rats. Journal of Motor Behavior, 1997, 29, 99-112.	0.9	8
51	Constraints and the Emergence of 'Free' Exploratory Behavior in Rat Ontogeny. Behaviour, 1996, 133, 519-539.	0.8	33
52	A phase plane representation of rat exploratory behavior. Journal of Neuroscience Methods, 1995, 62, 21-27.	2.5	69