

# Marc F Schmidt

## List of Publications by Year in descending order

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33  
papers

1,467  
citations

304743

22  
h-index

434195

31  
g-index

36  
all docs

36  
docs citations

36  
times ranked

675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gating of auditory responses in the vocal control system of awake songbirds. <i>Nature Neuroscience</i> , 1998, 1, 513-518.	14.8	173
2	Brainstem and Forebrain Contributions to the Generation of Learned Motor Behaviors for Song. <i>Journal of Neuroscience</i> , 2005, 25, 8543-8554.	3.6	123
3	Song System Auditory Responses Are Stable and Highly Tuned During Sedation, Rapidly Modulated and Unselective During Wakefulness, and Suppressed By Arousal. <i>Journal of Neurophysiology</i> , 2003, 90, 2884-2899.	1.8	108
4	Noradrenergic Inputs Mediate State Dependence of Auditory Responses in the Avian Song System. <i>Journal of Neuroscience</i> , 2004, 24, 7745-7753.	3.6	96
5	Auditory Responses in Multiple Sensorimotor Song System Nuclei Are Co-Modulated by Behavioral State. <i>Journal of Neurophysiology</i> , 2004, 91, 2148-2163.	1.8	90
6	Pattern of Interhemispheric Synchronization in HVC During Singing Correlates With Key Transitions in the Song Pattern. <i>Journal of Neurophysiology</i> , 2003, 90, 3931-3949.	1.8	80
7	Sleep, off-line processing, and vocal learning. <i>Brain and Language</i> , 2010, 115, 45-58.	1.6	66
8	Sensorimotor Nucleus Nif Is Necessary for Auditory Processing But Not Vocal Motor Output in the Avian Song System. <i>Journal of Neurophysiology</i> , 2005, 93, 2157-2166.	1.8	62
9	Bottom-Up Activation of the Vocal Motor Forebrain by the Respiratory Brainstem. <i>Journal of Neuroscience</i> , 2008, 28, 2613-2623.	3.6	61
10	The respiratory-vocal system of songbirds. <i>Progress in Brain Research</i> , 2014, 212, 297-335.	1.4	60
11	Bilateral Control and Interhemispheric Coordination in the Avian Song Motor System. <i>Annals of the New York Academy of Sciences</i> , 2004, 1016, 171-186.	3.8	54
12	What birdsong can teach us about the central noradrenergic system. <i>Journal of Chemical Neuroanatomy</i> , 2010, 39, 96-111.	2.1	54
13	Interhemispheric Coordination of Premotor Neural Activity during Singing in Adult Zebra Finches. <i>Journal of Neuroscience</i> , 1998, 18, 9088-9098.	3.6	49
14	Slow Synaptic Inhibition Mediated by Metabotropic Glutamate Receptor Activation of GIRK Channels. <i>Journal of Neurophysiology</i> , 2000, 84, 2284-2290.	1.8	48
15	Hemispheric Coordination Is Necessary for Song Production in Adult Birds: Implications for a Dual Role for Forebrain Nuclei in Vocal Motor Control. <i>Journal of Neurophysiology</i> , 2008, 99, 373-385.	1.8	35
16	Slow Synaptic Inhibition in Nucleus HVC of the Adult Zebra Finch. <i>Journal of Neuroscience</i> , 1998, 18, 895-904.	3.6	34
17	Breathtaking Songs: Coordinating the Neural Circuits for Breathing and Singing. <i>Physiology</i> , 2016, 31, 442-451.	3.1	33
18	Social Brains in Context: Lesions Targeted to the Song Control System in Female Cowbirds Affect Their Social Network. <i>PLoS ONE</i> , 2013, 8, e63239.	2.5	31

#	ARTICLE	IF	CITATIONS
19	Using Both Sides of Your Brain: The Case for Rapid Interhemispheric Switching. <i>PLoS Biology</i> , 2008, 6, e269.	5.6	25
20	Breathing and vocal control: the respiratory system as both a driver and a target of telencephalic vocal motor circuits in songbirds. <i>Experimental Physiology</i> , 2012, 97, 455-461.	2.0	24
21	Testing the evolutionary conservation of vocal motoneurons in vertebrates. <i>Respiratory Physiology and Neurobiology</i> , 2016, 224, 2-10.	1.6	23
22	Depolarization and Laminin Independently Enable bFGF to Promote Neuronal Survival through Different Second Messenger Pathways. <i>Developmental Biology</i> , 1995, 168, 235-246.	2.0	22
23	Distributed and Selective Auditory Representation of Song Repertoires in the Avian Song System. <i>Journal of Neurophysiology</i> , 2006, 96, 3433-3447.	1.8	19
24	Characterization of respiratory neurons in the rostral ventrolateral medulla, an area critical for vocal production in songbirds. <i>Journal of Neurophysiology</i> , 2013, 109, 948-957.	1.8	16
25	An IACUC Perspective on Songbirds and Their Use in Neurobiological Research. <i>ILAR Journal</i> , 2010, 51, 424-430.	1.8	14
26	Linear and nonlinear auditory response properties of interneurons in a high-order avian vocal motor nucleus during wakefulness. <i>Journal of Neurophysiology</i> , 2012, 107, 2185-2201.	1.8	11
27	Proposing a neural framework for the evolution of elaborate courtship displays. <i>ELife</i> , 0, 11, .	6.0	11
28	Transient elevations in intracellular calcium are sufficient to induce sustained responsiveness to the neurotrophic factor bFGF. , 1996, 31, 333-344.		10
29	Regulation of vocal precision by noradrenergic modulation of a motor nucleus. <i>Journal of Neurophysiology</i> , 2020, 124, 458-470.	1.8	8
30	Contributions of Bird Studies to Behavioral and Neurobiological Research. <i>ILAR Journal</i> , 2010, 51, 305-309.	1.8	6
31	Achieving Perfection through Variability: The Basal Ganglia Helped Me Do It!. <i>Neuron</i> , 2014, 82, 6-8.	8.1	6
32	Modulation by Social Context Sheds New Light on Mechanisms of Vocal Production. <i>Neuron</i> , 1998, 21, 645-647.	8.1	5
33	Female signal jamming in a socially monogamous brood parasite. <i>Animal Behaviour</i> , 2021, 172, 155-169.	1.9	5