

# Michael T Roberts

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8538862/publications.pdf>

Version: 2024-02-01

19  
papers

635  
citations

759233

12  
h-index

1125743

13  
g-index

26  
all docs

26  
docs citations

26  
times ranked

512  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanistic Understanding of the Role of Feedforward Inhibition in the Mammalian Sound Localization Circuitry. <i>Neuron</i> , 2013, 78, 923-935.	8.1	96
2	In vivo coincidence detection in mammalian sound localization generates phase delays. <i>Nature Neuroscience</i> , 2015, 18, 444-452.	14.8	93
3	Directional Hearing by Linear Summation of Binaural Inputs at the Medial Superior Olive. <i>Neuron</i> , 2013, 78, 936-948.	8.1	90
4	Myelin development, plasticity, and pathology in the auditory system. <i>Developmental Neurobiology</i> , 2018, 78, 80-92.	3.0	55
5	Glycine Receptor Knock-In Mice and Hyperekplexia-Like Phenotypes: Comparisons with the Null Mutant. <i>Journal of Neuroscience</i> , 2003, 23, 8051-8059.	3.6	49
6	Molecular Layer Inhibitory Interneurons Provide Feedforward and Lateral Inhibition in the Dorsal Cochlear Nucleus. <i>Journal of Neurophysiology</i> , 2010, 104, 2462-2473.	1.8	45
7	A novel class of inferior colliculus principal neurons labeled in vasoactive intestinal peptide-Cre mice. <i>ELife</i> , 2019, 8, .	6.0	38
8	Block of rat brain recombinant SK channels by tricyclic antidepressants and related compounds. <i>European Journal of Pharmacology</i> , 2000, 401, 1-7.	3.5	36
9	Fidelity of Complex Spike-Mediated Synaptic Transmission between Inhibitory Interneurons. <i>Journal of Neuroscience</i> , 2008, 28, 9440-9450.	3.6	33
10	The relative contributions of MNTB and LNTB neurons to inhibition in the medial superior olive assessed through single and paired recordings. <i>Frontiers in Neural Circuits</i> , 2014, 8, 49.	2.8	32
11	Neuropeptide Y Expression Defines a Novel Class of GABAergic Projection Neuron in the Inferior Colliculus. <i>Journal of Neuroscience</i> , 2020, 40, 4685-4699.	3.6	26
12	Occupancy of a Single Anesthetic Binding Pocket Is Sufficient to Enhance Glycine Receptor Function. <i>Journal of Biological Chemistry</i> , 2006, 281, 3305-3311.	3.4	16
13	$\hat{\alpha}3\hat{\beta}4$ — Nicotinic Acetylcholine Receptors Strongly Modulate the Excitability of VIP Neurons in the Mouse Inferior Colliculus. <i>Frontiers in Neural Circuits</i> , 2021, 15, 709387.	2.8	10
14	Inhibitory NPY Neurons Provide a Large and Heterotopic Commissural Projection in the Inferior Colliculus. <i>Frontiers in Neural Circuits</i> , 0, 16, .	2.8	10
15	The Role of Potassium Channels in the Regulation of Neurotransmitter Release. , 2008, , 171-185.		4
16	GABA <sub>B</sub> receptors sharpen tuning of a sound localization circuit. <i>Journal of Physiology</i> , 2012, 590, 2951-2952.	2.9	0
17	Out of balance: how a binaural coincidence detection circuit responds to unilateral deafferentation. <i>Journal of Physiology</i> , 2018, 596, 1787-1788.	2.9	0
18	Long-range Channelrhodopsin-assisted Circuit Mapping of Inferior Colliculus Neurons with Blue and Red-shifted Channelrhodopsins. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	0

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19	Binaural Processing Deficits Due to Synaptopathy and Myelin Defects. <i>Frontiers in Neural Circuits</i> , 2022, 16, 856926.	2.8	0