

# C Ron Yu

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,852  
citations

567281

15  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maximal Dependence Capturing as a Principle of Sensory Processing. <i>Frontiers in Computational Neuroscience</i> , 2022, 16, 857653.	2.1	1
2	Robust and sensitive in situ RNA detection using Yn-situ. <i>Cell Reports Methods</i> , 2022, 2, 100201.	2.9	3
3	Acquisition of innate odor preference depends on spontaneous and experiential activities during critical period. <i>ELife</i> , 2021, 10, .	6.0	17
4	Encoding innately recognized odors via a generalized population code. <i>Current Biology</i> , 2021, 31, 1813-1825.e4.	3.9	14
5	A physicochemical model of odor sampling. <i>PLoS Computational Biology</i> , 2021, 17, e1009054.	3.2	7
6	Matrix metalloprotease-mediated cleavage of neural glial-related cell adhesion molecules activates quiescent olfactory stem cells via EGFR. <i>Molecular and Cellular Neurosciences</i> , 2020, 108, 103552.	2.2	8
7	Alkaline phosphatase-based chromogenic and fluorescence detection method for BaseScope <sup>®</sup> <i>In Situ</i> hybridization. <i>Journal of Histochemistry</i> , 2019, 42, 193-201.	0.5	11
8	A Population of Navigator Neurons Is Essential for Olfactory Map Formation during the Critical Period. <i>Neuron</i> , 2018, 100, 1066-1082.e6.	8.1	28
9	G protein $\beta$ subunit G $\beta$ 13 is essential for olfactory function and aggressive behavior in mice. <i>NeuroReport</i> , 2018, 29, 1333-1339.	1.2	9
10	Regeneration and rewiring of rodent olfactory sensory neurons. <i>Experimental Neurology</i> , 2017, 287, 395-408.	4.1	40
11	Pronounced strain-specific chemosensory receptor gene expression in the mouse vomeronasal organ. <i>BMC Genomics</i> , 2017, 18, 965.	2.8	18
12	Intracellular chloride concentration of the mouse vomeronasal neuron. <i>BMC Neuroscience</i> , 2015, 16, 90.	1.9	16
13	TRICK or TRP? What <i>Trpc2</i> <sup>-/-</sup> mice tell us about vomeronasal organ mediated innate behaviors. <i>Frontiers in Neuroscience</i> , 2015, 9, 221.	2.8	18
14	Tuning properties and dynamic range of type 1 vomeronasal receptors. <i>Frontiers in Neuroscience</i> , 2015, 9, 244.	2.8	13
15	An Olfactory Cilia Pattern in the Mammalian Nose Ensures High Sensitivity to Odors. <i>Current Biology</i> , 2015, 25, 2503-2512.	3.9	51
16	A Developmental Switch of Axon Targeting in the Continuously Regenerating Mouse Olfactory System. <i>Science</i> , 2014, 344, 194-197.	12.6	76
17	Automated Analyses of Innate Olfactory Behaviors in Rodents. <i>PLoS ONE</i> , 2014, 9, e93468.	2.5	20
18	Integrated action of pheromone signals in promoting courtship behavior in male mice. <i>ELife</i> , 2014, 3, e03025.	6.0	77

#	ARTICLE	IF	CITATIONS
19	Agonist-Independent GPCR Activity Regulates Anterior-Posterior Targeting of Olfactory Sensory Neurons. <i>Cell</i> , 2013, 154, 1314-1325.	28.9	126
20	Activity-Dependent Modulation of Odorant Receptor Gene Expression in the Mouse Olfactory Epithelium. <i>PLoS ONE</i> , 2013, 8, e69862.	2.5	35
21	Calcium Imaging of Vomeronasal Organ Response Using Slice Preparations from Transgenic Mice Expressing G-CaMP2. <i>Methods in Molecular Biology</i> , 2013, 1068, 211-220.	0.9	3
22	Distributed representation of chemical features and tunotopic organization of glomeruli in the mouse olfactory bulb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5481-5486.	7.1	85
23	Paradoxical contribution of SK3 and GIRK channels to the activation of mouse vomeronasal organ. <i>Nature Neuroscience</i> , 2012, 15, 1236-1244.	14.8	47
24	Imaging Neuronal Responses in Slice Preparations of Vomeronasal Organ Expressing a Genetically Encoded Calcium Sensor. <i>Journal of Visualized Experiments</i> , 2011, , .	0.3	7
25	Requirement of calcium-activated chloride channels in the activation of mouse vomeronasal neurons. <i>Nature Communications</i> , 2011, 2, 365.	12.8	51
26	Distinct Signals Conveyed by Pheromone Concentrations to the Mouse Vomeronasal Organ. <i>Journal of Neuroscience</i> , 2010, 30, 7473-7483.	3.6	38
27	Encoding Gender and Individual Information in the Mouse Vomeronasal Organ. <i>Science</i> , 2008, 320, 535-538.	12.6	146
28	Spontaneous Neural Activity Is Required for the Establishment and Maintenance of the Olfactory Sensory Map. <i>Neuron</i> , 2004, 42, 553-566.	8.1	360
29	Altered sexual and social behaviors in <i>trp2</i> mutant mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6376-6381.	7.1	516