jayaram Chandrashekar

List of Publications by Year
in descending order

25 papers	13,111 citations	279701 23 h-index	526166 27 g-index
36 all docs	36 docs citations	36 times ranked	8087 citing authors

#	Article	IF	Citations
1	A hybrid open-top light-sheet microscope for versatile multi-scale imaging of cleared tissues. Nature Methods, 2022, 19, 613-619.	9.0	54
2	Brain microvasculature has a common topology with local differences in geometry that match metabolic load. Neuron, 2021, 109, 1168-1187.e13.	3.8	57
3	Whole-Brain Profiling of Cells and Circuits in Mammals by Tissue Clearing and Light-Sheet Microscopy. Neuron, 2020, 106, 369-387.	3.8	145
4	Reconstruction of 1,000 Projection Neurons Reveals New Cell Types and Organization of Long-Range Connectivity in the Mouse Brain. Cell, 2019, 179, 268-281.e13.	13.5	352
5	Singleâ€neuron axonal reconstruction: The search for a wiring diagram of the brain. Journal of Comparative Neurology, 2019, 527, 2190-2199.	0.9	26
6	A repeated molecular architecture across thalamic pathways. Nature Neuroscience, 2019, 22, 1925-1935.	7.1	132
7	Mapping the transcriptional diversity of genetically and anatomically defined cell populations in the mouse brain. ELife, 2019, 8, .	2.8	59
8	Dissociable Structural and Functional Hippocampal Outputs via Distinct Subiculum Cell Classes. Cell, 2018, 173, 1280-1292.e18.	13.5	152
9	Long distance projections of cortical pyramidal neurons. Journal of Neuroscience Research, 2018, 96, 1467-1475.	1.3	89
10	Distinct descending motor cortex pathways and their roles in movement. Nature, 2018, 563, 79-84.	13.7	320
11	Topographic precision in sensory and motor corticostriatal projections varies across cell type and cortical area. Nature Communications, 2018, 9, 3549.	5.8	109
12	A platform for brain-wide imaging and reconstruction of individual neurons. ELife, 2016, 5, e10566.	2.8	355
13	The neural representation of taste quality at the periphery. Nature, 2015, 517, 373-376.	13.7	123
14	The cells and peripheral representation of sodium taste in mice. Nature, 2010, 464, 297-301.	13.7	550
15	The Taste of Carbonation. Science, 2009, 326, 443-445.	6.0	327
16	The cells and logic for mammalian sour taste detection. Nature, 2006, 442, 934-938.	13.7	687
17	The receptors and cells for mammalian taste. Nature, 2006, 444, 288-294.	13.7	1,361
18	The receptors and coding logic for bitter taste. Nature, 2005, 434, 225-229.	13.7	470

#	Article	IF	Citations
19	Coding of Sweet, Bitter, and Umami Tastes. Cell, 2003, 112, 293-301.	13.5	1,154
20	The Receptors for Mammalian Sweet and Umami Taste. Cell, 2003, 115, 255-266.	13.5	1,143
21	An amino-acid taste receptor. Nature, 2002, 416, 199-202.	13.7	1,335
22	Mammalian Sweet Taste Receptors. Cell, 2001, 106, 381-390.	13.5	1,615
23	A Novel Family of Mammalian Taste Receptors. Cell, 2000, 100, 693-702.	13.5	1,202
24	T2Rs Function as Bitter Taste Receptors. Cell, 2000, 100, 703-711.	13.5	1,246
25	Reconstruction of 1,000 Projection Neurons Reveals New Cell Types and Organization of Long-Range Connectivity in the Mouse Brain. SSRN Electronic Journal, 0, , .	0.4	1