

# Kei M Igarashi

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,765  
citations

516710

16  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Maps of Odorant Molecular Features in the Mammalian Olfactory Bulb. <i>Physiological Reviews</i> , 2006, 86, 409-433.	28.8	345
2	Coordination of entorhinalâ€“hippocampal ensemble activity during associative learning. <i>Nature</i> , 2014, 510, 143-147.	27.8	338
3	Parallel Mitral and Tufted Cell Pathways Route Distinct Odor Information to Different Targets in the Olfactory Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 7970-7985.	3.6	315
4	Differential Axonal Projection of Mitral and Tufted Cells in the Mouse Main Olfactory System. <i>Frontiers in Neural Circuits</i> , 2010, 4, .	2.8	147
5	Topography of Place Maps along the CA3-to-CA2 Axis of the Hippocampus. <i>Neuron</i> , 2015, 87, 1078-1092.	8.1	117
6	Disrupted Place Cell Remapping and Impaired Grid Cells in a Knockin Model of Alzheimer's Disease. <i>Neuron</i> , 2020, 107, 1095-1112.e6.	8.1	82
7	Functional diversity along the transverse axis of hippocampal area CA1. <i>FEBS Letters</i> , 2014, 588, 2470-2476.	2.8	74
8	Dopamine facilitates associative memory encoding in the entorhinal cortex. <i>Nature</i> , 2021, 598, 321-326.	27.8	53
9	Impaired In Vivo Gamma Oscillations in the Medial Entorhinal Cortex of Knock-in Alzheimer Model. <i>Frontiers in Systems Neuroscience</i> , 2017, 11, 48.	2.5	52
10	Spatial Representation of Hydrocarbon Odorants in the Ventrolateral Zones of the Rat Olfactory Bulb. <i>Journal of Neurophysiology</i> , 2005, 93, 1007-1019.	1.8	50
11	Plasticity in oscillatory coupling between hippocampus and cortex. <i>Current Opinion in Neurobiology</i> , 2015, 35, 163-168.	4.2	36
12	Gamma oscillations in the entorhinal-hippocampal circuit underlying memory and dementia. <i>Neuroscience Research</i> , 2018, 129, 40-46.	1.9	31
13	Parallel odor processing by mitral and middle tufted cells in the olfactory bulb. <i>Scientific Reports</i> , 2018, 8, 7625.	3.3	24
14	The entorhinal map of space. <i>Brain Research</i> , 2016, 1637, 177-187.	2.2	21
15	In vivo layer visualization of rat olfactory bulb by a swept source optical coherence tomography and its confirmation through electrocoagulation and anatomy. <i>Biomedical Optics Express</i> , 2011, 2, 2279.	2.9	19
16	Swept source optical coherence tomography as a tool for real time visualization and localization of electrodes used in electrophysiological studies of brain in vivo. <i>Biomedical Optics Express</i> , 2011, 2, 3129.	2.9	17
17	Two highly homologous mouse odorant receptors encoded by tandemly-linked MOR29A and MOR29B genes respond differently to phenyl ethers. <i>European Journal of Neuroscience</i> , 2011, 33, 205-213.	2.6	17
18	Parallel Tufted Cell and Mitral Cell Pathways from the Olfactory Bulb to the Olfactory Cortex. , 2014, , 133-160.		8

#	ARTICLE	IF	CITATIONS
19	Odor maps in the dorsal and lateral surfaces of the rat olfactory bulb. <i>Chemical Senses</i> , 2005, 30, i103-i104.	2.0	6
20	Dendrodendritic Synapses and Functional Compartmentalization in the Olfactory Bulb. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 255-258.	3.8	6
21	Functional optical coherence tomography of rat olfactory bulb with periodic odor stimulation. <i>Biomedical Optics Express</i> , 2016, 7, 841.	2.9	5
22	Protocol for remapping of place cells in disease mouse models. <i>STAR Protocols</i> , 2021, 2, 100759.	1.2	1
23	Genetic visualization and neural activity imaging of the secondary olfactory pathway in Tbx21 transgenic mice. <i>Neuroscience Research</i> , 2011, 71, e153.	1.9	0