

# Hidehiko Komatsu

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

806  
citations

623734

14  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

545  
citing authors

#	ARTICLE	IF	CITATIONS
1	Image statistics underlying natural texture selectivity of neurons in macaque V4. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E351-60.	7.1	124
2	Transformation from image-based to perceptual representation of materials along the human ventral visual pathway. <i>NeuroImage</i> , 2011, 57, 482-494.	4.2	112
3	Effects of task demands on the responses of color-selective neurons in the inferior temporal cortex. <i>Nature Neuroscience</i> , 2007, 10, 108-116.	14.8	110
4	Neural Selectivity and Representation of Gloss in the Monkey Inferior Temporal Cortex. <i>Journal of Neuroscience</i> , 2012, 32, 10780-10793.	3.6	69
5	Representation of the Material Properties of Objects in the Visual Cortex of Nonhuman Primates. <i>Journal of Neuroscience</i> , 2014, 34, 2660-2673.	3.6	61
6	Neural Mechanisms of Material Perception: Quest on Shitsukan. <i>Neuroscience</i> , 2018, 392, 329-347.	2.3	51
7	Gradual Development of Visual Texture-Selective Properties Between Macaque Areas V2 and V4. <i>Cerebral Cortex</i> , 2017, 27, 4867-4880.	2.9	45
8	Selective responses to specular surfaces in the macaque visual cortex revealed by fMRI. <i>NeuroImage</i> , 2012, 63, 1321-1333.	4.2	42
9	Audiovisual integration in the human perception of materials. <i>Journal of Vision</i> , 2014, 14, 12-12.	0.3	42
10	Distribution of colour-selective activity in the monkey inferior temporal cortex revealed by functional magnetic resonance imaging. <i>European Journal of Neuroscience</i> , 2009, 30, 1960-1970.	2.6	36
11	Effects of Luminance Contrast on the Color Selectivity of Neurons in the Macaque Area V4 and Inferior Temporal Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 14934-14947.	3.6	36
12	Perceptual Gloss Parameters Are Encoded by Population Responses in the Monkey Inferior Temporal Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 11143-11151.	3.6	31
13	Crossmodal Association of Visual and Haptic Material Properties of Objects in the Monkey Ventral Visual Cortex. <i>Current Biology</i> , 2016, 26, 928-934.	3.9	19
14	Reciprocal Connectivity of Identified Color-Processing Modules in the Monkey Inferior Temporal Cortex. <i>Cerebral Cortex</i> , 2011, 21, 1295-1310.	2.9	17
15	Computational Model for Human 3D Shape Perception From a Single Specular Image. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 10.	2.1	3
16	Structure and function of neural circuit related to gloss perception in the macaque inferior temporal cortex: a case report. <i>Brain Structure and Function</i> , 2021, 226, 3023-3030.	2.3	3
17	Dependence of behavioral performance on material category in an object-grasping task with monkeys. <i>Journal of Neurophysiology</i> , 2018, 120, 553-563.	1.8	2
18	Relationship Between the Activities of Gloss-Selective Neurons in the Macaque Inferior Temporal Cortex and the Gloss Discrimination Behavior of the Monkey. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab011.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Color Information Processing in Higher Brain Areas. , 2020, , 1-5.		0