Yuka Sasaki

List of Publications by Year
in descending order

75 papers	6,999 citations	87843 38 h-index	79644 73 g-index
90 all docs	90 docs citations	90 times ranked	6100 citing authors

#	Article	IF	Citations
1	Human cerebellar activity reflecting an acquired internal model of a new tool. Nature, 2000, 403, 192-195.	13.7	957
2	Perceptual learning without perception. Nature, 2001, 413, 844-848.	13.7	520
3	Perceptual Learning Incepted by Decoded fMRI Neurofeedback Without Stimulus Presentation. Science, 2011, 334, 1413-1415.	6.0	422
4	Advances in visual perceptual learning and plasticity. Nature Reviews Neuroscience, 2010, 11, 53-60.	4.9	356
5	Stereopsis Activates V3A and Caudal Intraparietal Areas in Macaques and Humans. Neuron, 2003, 39, 555-568.	3.8	309
6	Different Dynamics of Performance and Brain Activation in the Time Course of Perceptual Learning. Neuron, 2008, 57, 827-833.	3.8	280
7	Perceptual Learning: Toward a Comprehensive Theory. Annual Review of Psychology, 2015, 66, 197-221.	9.9	257
8	Repeated fMRI Using Iron Oxide Contrast Agent in Awake, Behaving Macaques at 3 Tesla. NeuroImage, 2002, 16, 283-294.	2.1	250
9	A small number of abnormal brain connections predicts adult autism spectrum disorder. Nature Communications, 2016, 7, 11254.	5.8	244
10	Symmetry activates extrastriate visual cortex in human and nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3159-3163.	3.3	204
11	Advances in fMRI Real-Time Neurofeedback. Trends in Cognitive Sciences, 2017, 21, 997-1010.	4.0	190
12	Greater plasticity in lower-level than higher-level visual motion processing in a passive perceptual learning task. Nature Neuroscience, 2002, 5, 1003-1009.	7.1	188
13	Night Watch in One Brain Hemisphere during Sleep Associated with the First-Night Effect in Humans. Current Biology, 2016, 26, 1190-1194.	1.8	186
14	Greater Disruption Due to Failure of Inhibitory Control on an Ambiguous Distractor. Science, 2006, 314, 1786-1788.	6.0	184
15	The Radial Bias: A Different Slant on Visual Orientation Sensitivity in Human and Nonhuman Primates. Neuron, 2006, 51, 661-670.	3.8	180
16	Overlearning hyperstabilizes a skill by rapidly making neurochemical processing inhibitory-dominant. Nature Neuroscience, 2017, 20, 470-475.	7.1	146
17	Attention-Regulated Activity in Human Primary Visual Cortex. Journal of Neurophysiology, 1998, 79, 2218-2221.	0.9	133
18	The primary visual cortex fills in color. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 18251-18256.	3.3	121

#	Article	IF	Citations
19	Location-Specific Cortical Activation Changes during Sleep after Training for Perceptual Learning. Current Biology, 2009, 19, 1278-1282.	1.8	120
20	Sleep onset REM period appearance rate is affected by REM propensity in circadian rhythm in normal nocturnal sleep. Clinical Neurophysiology, 2000, 111, 428-433.	0.7	105
21	Learning to Associate Orientation with Color in Early Visual Areas by Associative Decoded fMRI Neurofeedback. Current Biology, 2016, 26, 1861-1866.	1.8	97
22	Visualization of the Information Flow Through Human Oculomotor Cortical Regions by Transcranial Magnetic Stimulation. Journal of Neurophysiology, 1998, 80, 936-946.	0.9	86
23	Functional neuroanatomical investigation of visionâ€related acupuncture point specificityâ€”A multisession fMRI study. Human Brain Mapping, 2009, 30, 38-46.	1.9	85
24	Localizing the site of magnetic brain stimulation by functional MRI. Experimental Brain Research, 1998, 121, 145-152.	0.7	80
25	Enhanced Spontaneous Oscillations in the Supplementary Motor Area Are Associated with Sleep-Dependent Offline Learning of Finger-Tapping Motor-Sequence Task. Journal of Neuroscience, 2013, 33, 13894-13902.	1.7	80
26	Neuroimaging of Direction-Selective Mechanisms for Second-Order Motion. Journal of Neurophysiology, 2003, 90, 3242-3254.	0.9	72
27	Toward a comprehensive understanding of the neural mechanisms of decoded neurofeedback. NeuroImage, 2019, 188, 539-556.	2.1	69
28	Complementary contributions of non-REM and REM sleep to visual learning. Nature Neuroscience, 2020, 23, 1150-1156.	7.1	60
29	Opportunities and challenges for a maturing science of consciousness. Nature Human Behaviour, 2019, 3, 104-107.	6.2	58
30	Differential Activation Patterns in the Same Brain Region Led to Opposite Emotional States. PLoS Biology, 2016, 14, e1002546.	2.6	57
31	Separate Processing of Different Global-Motion Structures in Visual Cortex Is Revealed by fMRI. Current Biology, 2005, 15, 2027-2032.	1.8	56
32	Resetting capacity limitations revealed by long-lasting elimination of attentional blink through training. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12242-12247.	3.3	55
33	Location specific sleep spindle activity in the early visual areas and perceptual learning. Vision Research, 2014, 99, 162-171.	0.7	55
34	Interference and feature specificity in visual perceptual learning. Vision Research, 2009, 49, 2611-2623.	0.7	52
35	Consolidation and reconsolidation share behavioural and neurochemical mechanisms. Nature Human Behaviour, 2018, 2, 507-513.	6.2	50
36	White matter in the older brain is more plastic than in the younger brain. Nature Communications, 2014, 5, 5504.	5.8	48

#	Article	IF	Citations
37	Real-Time Strategy Video Game Experience and Visual Perceptual Learning. Journal of Neuroscience, 2015, 35, 10485-10492.	1.7	47
38	Processing local signals into global patterns. Current Opinion in Neurobiology, 2007, 17, 132-139.	2.0	44
39	3D surface perception from motion involves a temporalâ€“parietal network. European Journal of Neuroscience, 2009, 30, 703-713.	1.2	42
40	Decoding Reveals Plasticity in V3A as a Result of Motion Perceptual Learning. PLoS ONE, 2012, 7, e44003.	1.1	37
41	Human Brain Activity during Illusory Visual Jitter as Revealed by Functional Magnetic Resonance Imaging. Neuron, 2002, 35, 1147-1156.	3.8	29
42	Neuroimaging Evidence for 2 Types of Plasticity in Association with Visual Perceptual Learning. Cerebral Cortex, 2016, 26, 3681-3689.	1.6	29
43	Age-Related Declines of Stability in Visual Perceptual Learning. Current Biology, 2014, 24, 2926-2929.	1.8	23
44	Category-Induced Transfer of Visual Perceptual Learning. Current Biology, 2019, 29, 1374-1378.e3.	1.8	23
45	Reward does not facilitate visual perceptual learning until sleep occurs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 959-968.	3.3	21
46	The first-night effect suppresses the strength of slow-wave activity originating in the visual areas during sleep. Vision Research, 2014, 99, 154-161.	0.7	20
47	Supervised Learning Occurs in Visual Perceptual Learning of Complex Natural Images. Current Biology, 2020, 30, 2995-3000.e3.	1.8	20
48	Frequent Video Game Players Resist Perceptual Interference. PLoS ONE, 2015, 10, e0120011.	1.1	19
49	Reduction in the retinotopic early visual cortex with normal aging and magnitude of perceptual learning. Neurobiology of Aging, 2015, 36, 315-322.	1.5	19
50	Structural and Functional Connectivity Changes Beyond Visual Cortex in a Later Phase of Visual Perceptual Learning. Scientific Reports, 2018, 8, 5186.	1.6	17
51	Feature-Specific Awake Reactivation in Human V1 after Visual Training. Journal of Neuroscience, 2018, 38, 9648-9657.	1.7	17
52	Surveillance During REM Sleep for the First-Night Effect. Frontiers in Neuroscience, 2019, 13, 1161.	1.4	17
53	Fundamental Differences in Visual Perceptual Learning between Children and Adults. Current Biology, 2021, 31, 427-432.e5.	1.8	15
54	Recent progress in perceptual learning research. Wiley Interdisciplinary Reviews: Cognitive Science, 2012, 3, 293-299.	1.4	14

#	Article	IF	Citations
55	Post-training TMS abolishes performance improvement and releases future learning from interference. Communications Biology, 2019, 2, 320.	2.0	14
56	Monocular deprivation boosts long-term visual plasticity. Current Biology, 2012, 22, R291-R292.	1.8	13
57	Trained-featureâ€“specific offline learning by sleep in an orientation detection task. Journal of Vision, 2019, 19, 12.	0.1	12
58	Early Visual Cortex Stimulation Modifies Well-Consolidated Perceptual Gains. Cerebral Cortex, 2021, 31, 138-146.	1.6	11
59	Consolidated learning can be susceptible to gradually-developing interference in prolonged motor learning. Frontiers in Computational Neuroscience, 2013, 7, 69.	1.2	10
60	Reward eliminates retrieval-induced forgetting. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17326-17329.	3.3	10
61	The DecNef collection, fMRI data from closed-loop decoded neurofeedback experiments. Scientific Data, 2021, 8, 65.	2.4	9
62	Perceptual Learning: Cortical Changes When Cats Learn a New Trick. Current Biology, 2010, 20, R557-R558.	1.8	5
63	Visual perceptual learning of a primitive feature in human V1/V2 as a result of unconscious processing, revealed by decoded functional MRI neurofeedback (DecNef). Journal of Vision, 2021, 21, 24.	0.1	5
64	Coregistration of magnetic resonance spectroscopy and polysomnography for sleep analysis in human subjects. STAR Protocols, 2021, 2, 100974.	0.5	4
65	Sleep-Dependent Facilitation of Visual Perceptual Learning Is Consistent with a Learning-Dependent Model. Journal of Neuroscience, 2022, 42, 1777-1790.	1.7	4
66	Performance Dip in Motor Response Induced by Task-Irrelevant Weaker Coherent Visual Motion Signals. Cerebral Cortex, 2012, 22, 1887-1893.	1.6	2
67	Neuroscience: When perceptual learning occurs. Nature Human Behaviour, 2017, 1, .	6.2	2
68	Effects of stimulus and task structure on temporal perceptual learning. Scientific Reports, 2021, 11, 668.	1.6	2
69	A behavioral training protocol using visual perceptual learning to improve a visual skill. STAR Protocols, 2021, 2, 100240.	0.5	1
70	Sigma activity originated in the early visual cortex during sleep associated with visual perceptual learning. Journal of Vision, 2015, 15, 1139.	0.1	1
71	Visual Perceptual Learning and Sleep. , 2015, , 343-357.		1
72	Absence Epilepsy. , 2008, , 2-2.		0

#	ARTICLE	IF	CITATIONS
73	V3A takes over a job of MT+ after training on a visual task. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6092-6093.	3.3	0
74	fMRI neurofeedback for perception and attention. , 2021, , 85-105.		0
75	The facilitation of learning and memory by sleep. , 2021, , .		0