

# Mikhail Katkov

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

450  
citations

933447

10  
h-index

794594

19  
g-index

37  
all docs

37  
docs citations

37  
times ranked

465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Retroactive interference model of forgetting. <i>Journal of Mathematical Neuroscience</i> , 2021, 11, 4.	2.4	9
2	Changes in Cortical Coherence Supporting Complex Visual and Social Processing in Adolescence. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 2215-2230.	2.3	10
3	Fundamental Law of Memory Recall. <i>Physical Review Letters</i> , 2020, 124, 018101.	7.8	22
4	Emergence of hierarchical organization in memory for random material. <i>Scientific Reports</i> , 2019, 9, 10448.	3.3	8
5	1, 2, 3, Many – Perceptual Integration of Motif Repetitions. <i>Symmetry</i> , 2018, 10, 661.	2.2	0
6	Visual cortex is sensitive to order-disorder phase transition. <i>Journal of Vision</i> , 2018, 18, 808.	0.3	0
7	Memory Retrieval from First Principles. <i>Neuron</i> , 2017, 94, 1027-1032.	8.1	27
8	Synaptic Correlates of Working Memory Capacity. <i>Neuron</i> , 2017, 93, 323-330.	8.1	91
9	Memory States and Transitions between Them in Attractor Neural Networks. <i>Neural Computation</i> , 2017, 29, 2684-2711.	2.2	11
10	1,2,3, many: Perceptual order is computed by patches containing 3x3 "repetitions" of Motifs. <i>Journal of Vision</i> , 2017, 17, 171.	0.3	1
11	Practice makes perfect in memory recall. <i>Learning and Memory</i> , 2016, 23, 169-173.	1.3	11
12	MIB as noisy excitable system. <i>Journal of Vision</i> , 2016, 16, 802.	0.3	0
13	Neural Network Model of Memory Retrieval. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 149.	2.1	33
14	Visual perception of order-disorder transition. <i>Frontiers in Psychology</i> , 2015, 6, 734.	2.1	4
15	Effects of long-term representations on free recall of unrelated words. <i>Learning and Memory</i> , 2015, 22, 101-108.	1.3	14
16	Word length effect in free recall of randomly assembled word lists. <i>Frontiers in Computational Neuroscience</i> , 2014, 8, 129.	2.1	14
17	Temporal scaling of neural responses to compressed and dilated natural speech. <i>Journal of Neurophysiology</i> , 2014, 111, 2433-2444.	1.8	67
18	Decision criteria in dual discrimination tasks estimated using external-noise methods. <i>Attention, Perception, and Psychophysics</i> , 2012, 74, 1042-1055.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Lateral facilitation – No effect on the target noise level. <i>Vision Research</i> , 2010, 50, 2486-2494.	1.4	2
20	Separating signal from noise in visual discrimination. <i>Journal of Vision</i> , 2010, 3, 609-609.	0.3	0
21	Attention during sequences of saccades along marked and memorized paths. <i>Vision Research</i> , 2009, 49, 1256-1266.	1.4	43
22	Singularities explained: Response to Klein. <i>Vision Research</i> , 2007, 47, 2918-2922.	1.4	5
23	Inverse modeling of human contrast response. <i>Vision Research</i> , 2007, 47, 2855-2867.	1.4	9
24	Analysis of a two-alternative force-choice signal detection theory model. <i>Journal of Mathematical Psychology</i> , 2006, 50, 411-420.	1.8	20
25	Singularities in the inverse modeling of 2AFC contrast discrimination data. <i>Vision Research</i> , 2006, 46, 259-266.	1.4	22
26	Quantum Hall effect in a single-mode wire. <i>Semiconductors</i> , 1999, 33, 1238-1240.	0.5	1
27	Effect of Ga predeposition layer on the growth of GaAs on vicinal Ge(001). <i>Journal of Crystal Growth</i> , 1999, 201-202, 232-235.	1.5	5
28	Influence of the step height of the vicinal surface of germanium on the formation of antiphase boundaries in a gallium-arsenide-germanium-gallium-arsenide(001) system. <i>Technical Physics Letters</i> , 1998, 24, 949-951.	0.7	0
29	Desynchronization mode of 2D-island creation on the vicinal surface during MBE growth. <i>Applied Surface Science</i> , 1998, 123-124, 729-733.	6.1	4