

# Danko Nikolic

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

4,607  
citations

218677

26  
h-index

214800

47  
g-index

56  
all docs

56  
docs citations

56  
times ranked

5234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visual exposure enhances stimulus encoding and persistence in primary cortex. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
2	Hold Your Methods! How Multineuronal Firing Ensembles Can Be Studied Using Classical Spike-Train Analysis Techniques. Frontiers in Systems Neuroscience, 2019, 13, 21.	2.5	5
3	Why deep neural nets cannot ever match biological intelligence and what to do about it?. International Journal of Automation and Computing, 2017, 14, 532-541.	4.5	13
4	One-shot synesthesia. Translational Neuroscience, 2017, 8, 167-175.	1.4	1
5	The Merit of Synesthesia for Consciousness Research. Frontiers in Psychology, 2015, 6, 1850.	2.1	17
6	Practopoiesis: Or how life fosters a mind. Journal of Theoretical Biology, 2015, 373, 40-61.	1.7	34
7	Semantic mechanisms may be responsible for developing synesthesia. Frontiers in Human Neuroscience, 2014, 8, 509.	2.0	26
8	Membrane Resonance Enables Stable and Robust Gamma Oscillations. Cerebral Cortex, 2014, 24, 119-142.	2.9	68
9	Spike avalanches in vivo suggest a driven, slightly subcritical brain state. Frontiers in Systems Neuroscience, 2014, 8, 108.	2.5	246
10	Gamma oscillations: precise temporal coordination without a metronome. Trends in Cognitive Sciences, 2013, 17, 54-55.	7.8	90
11	Psychophysiological evidence for the genuineness of swimming-style colour synaesthesia. Consciousness and Cognition, 2013, 22, 35-46.	1.5	25
12	Encoding Through Patterns: Regression Tree-Based Neuronal Population Models. Neural Computation, 2013, 25, 1953-1993.	2.2	11
13	Synchronisation hubs in the visual cortex may arise from strong rhythmic inhibition during gamma oscillations. European Journal of Neuroscience, 2013, 38, 2864-2883.	2.6	6
14	Colored Alphabets in Bilingual Synesthetes. , 2013, , .		1
15	Scaled correlation analysis: a better way to compute a cross-correlogram. European Journal of Neuroscience, 2012, 35, 742-762.	2.6	72
16	Ideaesthesia: Conceptual processes assign similar colours to similar shapes. Translational Neuroscience, 2012, 3, 22-27.	1.4	33
17	Swimming-style synesthesia. Cortex, 2011, 47, 874-879.	2.4	49
18	Synchrony Makes Neurons Fire in Sequence, and Stimulus Properties Determine Who Is Ahead. Journal of Neuroscience, 2011, 31, 8570-8584.	3.6	83

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19	An LCD monitor with sufficiently precise timing for research in vision. <i>Frontiers in Human Neuroscience</i> , 2011, 5, 85.	2.0	83
20	Quantum mechanics needs no consciousness. <i>Annalen Der Physik</i> , 2011, 523, 931-938.	2.4	9
21	Higher-Order Interactions Characterized in Cortical Activity. <i>Journal of Neuroscience</i> , 2011, 31, 17514-17526.	3.6	181
22	Timescales of Multineuronal Activity Patterns Reflect Temporal Structure of Visual Stimuli. <i>PLoS ONE</i> , 2011, 6, e16758.	2.5	8
23	Time delays in the $\hat{I}^2/\hat{I}^3$ cycle operate on the level of individual neurons. <i>NeuroReport</i> , 2010, 21, 746-750.	1.2	3
24	Frequencies of gamma/beta oscillations are stably tuned to stimulus properties. <i>NeuroReport</i> , 2010, 21, 680-684.	1.2	12
25	Neuronal Avalanches in Spontaneous Activity In Vivo. <i>Journal of Neurophysiology</i> , 2010, 104, 3312-3322.	1.8	170
26	Surround modulation of neuronal responses in V1 is as stable over time as responses to direct stimulation of receptive fields. <i>Cortex</i> , 2010, 46, 1199-1203.	2.4	4
27	Immediate transfer of synesthesia to a novel inducer. <i>Journal of Vision</i> , 2009, 9, 25-25.	0.3	42
28	A Color-Based Visualization Technique for Multielectrode Spike Trains. <i>Journal of Neurophysiology</i> , 2009, 102, 3766-3778.	1.8	8
29	Neural synchrony in cortical networks: history, concept and current status. <i>Frontiers in Integrative Neuroscience</i> , 2009, 3, 17.	2.1	571
30	Model this! Seven empirical phenomena missing in the models of cortical oscillatory dynamics. , 2009, , .		7
31	Distributed Fading Memory for Stimulus Properties in the Primary Visual Cortex. <i>PLoS Biology</i> , 2009, 7, e1000260.	5.6	140
32	NeuroXidence: reliable and efficient analysis of an excess or deficiency of joint-spike events. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	0
33	Measuring sub-millisecond delays in spiking activity with millisecond time-bins. <i>Neuroscience Letters</i> , 2009, 450, 296-300.	2.1	9
34	NeuroXidence: reliable and efficient analysis of an excess or deficiency of joint-spike events. <i>Journal of Computational Neuroscience</i> , 2008, 25, 64-88.	1.0	69
35	Properties of multivariate data investigated by fractal dimensionality. <i>Journal of Neuroscience Methods</i> , 2008, 172, 27-33.	2.5	11
36	A Small World of Neuronal Synchrony. <i>Cerebral Cortex</i> , 2008, 18, 2891-2901.	2.9	281

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37	The Oscillation Score: An Efficient Method for Estimating Oscillation Strength in Neuronal Activity. Journal of Neurophysiology, 2008, 99, 1333-1353.	1.8	69
38	The Role of Oscillations and Synchrony in Cortical Networks and Their Putative Relevance for the Pathophysiology of Schizophrenia. Schizophrenia Bulletin, 2008, 34, 927-943.	4.3	545
39	Color Opponency in Synaesthetic Experiences. Psychological Science, 2007, 18, 481-486.	3.3	46
40	The gamma cycle. Trends in Neurosciences, 2007, 30, 309-316.	8.6	943
41	Common neural substrates for visual working memory and attention. NeuroImage, 2007, 36, 441-453.	4.2	196
42	Creation of visual long-term memory. Perception & Psychophysics, 2007, 69, 904-912.	2.3	16
43	Non-parametric detection of temporal order across pairwise measurements of time delays. Journal of Computational Neuroscience, 2007, 22, 5-19.	1.0	46
44	Attentional demand influences strategies for encoding into visual working memory. Advances in Cognitive Psychology, 2007, 3, 429-448.	0.5	4
45	Brightness Induction: Rate Enhancement and Neuronal Synchronization as Complementary Codes. Neuron, 2006, 52, 1073-1083.	8.1	83
46	Detection and assessment of near-zero delays in neuronal spiking activity. Journal of Neuroscience Methods, 2006, 152, 97-106.	2.5	32
47	Spatiotemporal Structure in Large Neuronal Networks Detected from Cross-Correlation. Neural Computation, 2006, 18, 2387-2413.	2.2	39
48	A tandem random walk model of the SAT paradigm: Response times and accumulation of evidence. British Journal of Mathematical and Statistical Psychology, 2002, 55, 263-288.	1.4	5
49	Commentary on "Cortical Activity and the Explanatory Gap" by John G. Taylor. Consciousness and Cognition, 1998, 7, 196-201.	1.5	0
50	Situation Awareness as a Predictor of Performance for En Route Air Traffic Controllers. Air Traffic Control Quarterly, 1998, 6, 1-20.	0.7	174
51	Chaotic dimensionality of hand movements define processing capacity by relational complexity. Behavioral and Brain Sciences, 1998, 21, 842-843.	0.7	0