

Danko Nikolic

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6853948/publications.pdf>

Version: 2024-02-01

51
papers

4,607
citations

218381

26
h-index

214527

47
g-index

56
all docs

56
docs citations

56
times ranked

5234
citing authors

#	ARTICLE	IF	CITATIONS
1	The gamma cycle. Trends in Neurosciences, 2007, 30, 309-316.	4.2	943
2	Neural synchrony in cortical networks: history, concept and current status. Frontiers in Integrative Neuroscience, 2009, 3, 17.	1.0	571
3	The Role of Oscillations and Synchrony in Cortical Networks and Their Putative Relevance for the Pathophysiology of Schizophrenia. Schizophrenia Bulletin, 2008, 34, 927-943.	2.3	545
4	A Small World of Neuronal Synchrony. Cerebral Cortex, 2008, 18, 2891-2901.	1.6	281
5	Spike avalanches in vivo suggest a driven, slightly subcritical brain state. Frontiers in Systems Neuroscience, 2014, 8, 108.	1.2	246
6	Common neural substrates for visual working memory and attention. NeuroImage, 2007, 36, 441-453.	2.1	196
7	Higher-Order Interactions Characterized in Cortical Activity. Journal of Neuroscience, 2011, 31, 17514-17526.	1.7	181
8	Situation Awareness as a Predictor of Performance for En Route Air Traffic Controllers. Air Traffic Control Quarterly, 1998, 6, 1-20.	0.7	174
9	Neuronal Avalanches in Spontaneous Activity In Vivo. Journal of Neurophysiology, 2010, 104, 3312-3322.	0.9	170
10	Distributed Fading Memory for Stimulus Properties in the Primary Visual Cortex. PLoS Biology, 2009, 7, e1000260.	2.6	140
11	Gamma oscillations: precise temporal coordination without a metronome. Trends in Cognitive Sciences, 2013, 17, 54-55.	4.0	90
12	Brightness Induction: Rate Enhancement and Neuronal Synchronization as Complementary Codes. Neuron, 2006, 52, 1073-1083.	3.8	83
13	Synchrony Makes Neurons Fire in Sequence, and Stimulus Properties Determine Who Is Ahead. Journal of Neuroscience, 2011, 31, 8570-8584.	1.7	83
14	An LCD monitor with sufficiently precise timing for research in vision. Frontiers in Human Neuroscience, 2011, 5, 85.	1.0	83
15	Scaled correlation analysis: a better way to compute a cross-correlogram. European Journal of Neuroscience, 2012, 35, 742-762.	1.2	72
16	NeuroXidence: reliable and efficient analysis of an excess or deficiency of joint-spike events. Journal of Computational Neuroscience, 2008, 25, 64-88.	0.6	69
17	The Oscillation Score: An Efficient Method for Estimating Oscillation Strength in Neuronal Activity. Journal of Neurophysiology, 2008, 99, 1333-1353.	0.9	69
18	Membrane Resonance Enables Stable and Robust Gamma Oscillations. Cerebral Cortex, 2014, 24, 119-142.	1.6	68

#	ARTICLE	IF	CITATIONS
19	Swimming-style synesthesia. <i>Cortex</i> , 2011, 47, 874-879.	1.1	49
20	Color Opponency in Synaesthetic Experiences. <i>Psychological Science</i> , 2007, 18, 481-486.	1.8	46
21	Non-parametric detection of temporal order across pairwise measurements of time delays. <i>Journal of Computational Neuroscience</i> , 2007, 22, 5-19.	0.6	46
22	Immediate transfer of synesthesia to a novel inducer. <i>Journal of Vision</i> , 2009, 9, 25-25.	0.1	42
23	Spatiotemporal Structure in Large Neuronal Networks Detected from Cross-Correlation. <i>Neural Computation</i> , 2006, 18, 2387-2413.	1.3	39
24	Practopoiesis: Or how life fosters a mind. <i>Journal of Theoretical Biology</i> , 2015, 373, 40-61.	0.8	34
25	Ideaesthesia: Conceptual processes assign similar colours to similar shapes. <i>Translational Neuroscience</i> , 2012, 3, 22-27.	0.7	33
26	Detection and assessment of near-zero delays in neuronal spiking activity. <i>Journal of Neuroscience Methods</i> , 2006, 152, 97-106.	1.3	32
27	Semantic mechanisms may be responsible for developing synesthesia. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 509.	1.0	26
28	Psychophysiological evidence for the genuineness of swimming-style colour synaesthesia. <i>Consciousness and Cognition</i> , 2013, 22, 35-46.	0.8	25
29	The Merit of Synesthesia for Consciousness Research. <i>Frontiers in Psychology</i> , 2015, 6, 1850.	1.1	17
30	Creation of visual long-term memory. <i>Perception & Psychophysics</i> , 2007, 69, 904-912.	2.3	16
31	Why deep neural nets cannot ever match biological intelligence and what to do about it?. <i>International Journal of Automation and Computing</i> , 2017, 14, 532-541.	4.5	13
32	Frequencies of gamma/beta oscillations are stably tuned to stimulus properties. <i>NeuroReport</i> , 2010, 21, 680-684.	0.6	12
33	Visual exposure enhances stimulus encoding and persistence in primary cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
34	Properties of multivariate data investigated by fractal dimensionality. <i>Journal of Neuroscience Methods</i> , 2008, 172, 27-33.	1.3	11
35	Encoding Through Patterns: Regression Tree-Based Neuronal Population Models. <i>Neural Computation</i> , 2013, 25, 1953-1993.	1.3	11
36	Measuring sub-millisecond delays in spiking activity with millisecond time-bins. <i>Neuroscience Letters</i> , 2009, 450, 296-300.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Quantum mechanics needs no consciousness. <i>Annalen Der Physik</i> , 2011, 523, 931-938.	0.9	9
38	A Color-Based Visualization Technique for Multielectrode Spike Trains. <i>Journal of Neurophysiology</i> , 2009, 102, 3766-3778.	0.9	8
39	Timescales of Multineuronal Activity Patterns Reflect Temporal Structure of Visual Stimuli. <i>PLoS ONE</i> , 2011, 6, e16758.	1.1	8
40	Model this! Seven empirical phenomena missing in the models of cortical oscillatory dynamics. , 2009, , .		7
41	Synchronisation hubs in the visual cortex may arise from strong rhythmic inhibition during gamma oscillations. <i>European Journal of Neuroscience</i> , 2013, 38, 2864-2883.	1.2	6
42	A tandem random walk model of the SAT paradigm: Response times and accumulation of evidence. <i>British Journal of Mathematical and Statistical Psychology</i> , 2002, 55, 263-288.	1.0	5
43	Hold Your Methods! How Multineuronal Firing Ensembles Can Be Studied Using Classical Spike-Train Analysis Techniques. <i>Frontiers in Systems Neuroscience</i> , 2019, 13, 21.	1.2	5
44	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.	1.1	4
45	Attentional demand influences strategies for encoding into visual working memory. <i>Advances in Cognitive Psychology</i> , 2007, 3, 429-448.	0.2	4
46	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.	0.6	3
47	Colored Alphabets in Bilingual Synesthetes. , 2013, , .		1
48	One-shot synesthesia. <i>Translational Neuroscience</i> , 2017, 8, 167-175.	0.7	1
49	Commentary on "Cortical Activity and the Explanatory Gap" by John G. Taylor. <i>Consciousness and Cognition</i> , 1998, 7, 196-201.	0.8	0
50	Chaotic dimensionality of hand movements define processing capacity by relational complexity. <i>Behavioral and Brain Sciences</i> , 1998, 21, 842-843.	0.4	0
51	NeuroXidence: reliable and efficient analysis of an excess or deficiency of joint-spike events. <i>BMC Neuroscience</i> , 2009, 10, .	0.8	0