

# Vasily A Vakorin

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,257  
citations

430754

18  
h-index

377752

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1834  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatiotemporal Dependency of Age-Related Changes in Brain Signal Variability. <i>Cerebral Cortex</i> , 2014, 24, 1806-1817.	1.6	160
2	Variability of Brain Signals Processed Locally Transforms into Higher Connectivity with Brain Development. <i>Journal of Neuroscience</i> , 2011, 31, 6405-6413.	1.7	145
3	Confounding effects of indirect connections on causality estimation. <i>Journal of Neuroscience Methods</i> , 2009, 184, 152-160.	1.3	116
4	Does resting-state connectivity reflect depressive rumination? A tale of two analyses. <i>NeuroImage</i> , 2014, 103, 267-279.	2.1	82
5	Functional embedding predicts the variability of neural activity. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 90.	1.2	73
6	Idiosyncratic organization of cortical networks in autism spectrum disorder. <i>NeuroImage</i> , 2019, 190, 182-190.	2.1	71
7	Hundreds of brain maps in one atlas: Registering coordinate-independent primate neuro-anatomical data to a standard brain. <i>NeuroImage</i> , 2012, 62, 67-76.	2.1	62
8	Exploring transient transfer entropy based on a group-wise ICA decomposition of EEG data. <i>NeuroImage</i> , 2010, 49, 1593-1600.	2.1	54
9	Empirical and theoretical aspects of generation and transfer of information in a neuromagnetic source network. <i>Frontiers in Systems Neuroscience</i> , 2011, 5, 96.	1.2	41
10	Detecting Mild Traumatic Brain Injury Using Resting State Magnetoencephalographic Connectivity. <i>PLoS Computational Biology</i> , 2016, 12, e1004914.	1.5	39
11	Coordinated Information Generation and Mental Flexibility: Large-Scale Network Disruption in Children with Autism. <i>Cerebral Cortex</i> , 2015, 25, 2815-2827.	1.6	38
12	Interplay of brain structure and function in neonatal congenital heart disease. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 708-722.	1.7	37
13	Developmental changes in neuromagnetic rhythms and network synchrony in autism. <i>Annals of Neurology</i> , 2017, 81, 199-211.	2.8	35
14	Extreme male developmental trajectories of homotopic brain connectivity in autism. <i>Human Brain Mapping</i> , 2019, 40, 987-1000.	1.9	33
15	Atypical age-related changes in cortical thickness in autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 11067.	1.6	24
16	Sex differences in brain connectivity and male vulnerability in very preterm children. <i>Human Brain Mapping</i> , 2020, 41, 388-400.	1.9	22
17	Inferring neural activity from BOLD signals through nonlinear optimization. <i>NeuroImage</i> , 2007, 38, 248-260.	2.1	21
18	Estimating Fugl-Meyer Upper Extremity Motor Score From Functional-Connectivity Measures. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 860-868.	2.7	21

#	ARTICLE	IF	CITATIONS
19	Complexity analysis of source activity underlying the neuromagnetic somatosensory steady-state response. <i>NeuroImage</i> , 2010, 51, 83-90.	2.1	20
20	Atypical resting state neuromagnetic connectivity and spectral power in very preterm children. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2019, 60, 975-987.	3.1	20
21	Confounding Effects of Phase Delays on Causality Estimation. <i>PLoS ONE</i> , 2013, 8, e53588.	1.1	18
22	Alterations in Local Connectivity and Their Developmental Trajectories in Autism Spectrum Disorder: Does Being Female Matter?. <i>Cerebral Cortex</i> , 2020, 30, 5166-5179.	1.6	18
23	Characterizing the functional MRI response using Tikhonov regularization. <i>Statistics in Medicine</i> , 2007, 26, 3830-3844.	0.8	17
24	A Trade-off between Local and Distributed Information Processing Associated with Remote Episodic versus Semantic Memory. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 41-53.	1.1	17
25	Electrophysiology of Inhibitory Control in the Context of Emotion Processing in Children With Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 78.	1.0	17
26	EEG before and after total corpus callosotomy for pharmaco-resistant infantile spasms: Fast oscillations and slow-wave connectivity in hypsarrhythmia. <i>Epilepsia</i> , 2019, 60, 1849-1860.	2.6	16
27	Exploring Age-Related Changes in Dynamical Non-Stationarity in Electroencephalographic Signals during Early Adolescence. <i>PLoS ONE</i> , 2013, 8, e57217.	1.1	13
28	The relationship between naming reaction time and functional MRI parameters in Broca's area. <i>Magnetic Resonance Imaging</i> , 2008, 26, 824-834.	1.0	6
29	Extracting Message Inter-Departure Time Distributions from the Human Electroencephalogram. <i>PLoS Computational Biology</i> , 2011, 7, e1002065.	1.5	5
30	Auditory prefrontal axonal connectivity in the macaque cortex: Quantitative assessment of processing streams. <i>Brain and Language</i> , 2014, 135, 73-84.	0.8	4
31	Children with autism spectrum disorder show atypical electroencephalographic response to processing contextual incongruencies. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
32	Developmental Trajectory of Face Processing Revealed by Integrative Dynamics. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 2416-2430.	1.1	2
33	Development of Human Neurophysiological Activity and Network Dynamics. , 2016, , 107-122.		2
34	Alterations in coordinated EEG activity precede the development of seizures in comatose children. <i>Clinical Neurophysiology</i> , 2021, 132, 1505-1514.	0.7	2
35	On Complexity and Phase Effects in Reconstructing the Directionality of Coupling in Non-linear Systems. <i>Understanding Complex Systems</i> , 2014, , 137-158.	0.3	2
36	Dominant Patterns of Information Flow in the Propagation of the Neuromagnetic Somatosensory Steady-State Response. <i>Frontiers in Neural Circuits</i> , 2018, 12, 118.	1.4	1

#	ARTICLE	IF	CITATIONS
37	Propagation of Nonharmonic Wave Packets in Stratified Media. , 2008, , .		0