

Sam M Doesburg

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10411278/publications.pdf>

Version: 2024-02-01

80
papers

2,631
citations

172207

29
h-index

214527

47
g-index

84
all docs

84
docs citations

84
times ranked

3340
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental differences in neuromagnetic cortical activation and phase synchrony elicited by scenes with faces during movie watching. <i>ENeuro</i> , 2022, , ENEURO.0494-21.2022.	0.9	0
2	Children with autism spectrum disorder show atypical electroencephalographic response to processing contextual incongruencies. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
3	Classification of evoked responses to inverted faces reveals both spatial and temporal cortical response abnormalities in Autism spectrum disorder. <i>NeuroImage: Clinical</i> , 2021, 29, 102501.	1.4	1
4	Children with autism spectrum disorder show altered functional connectivity and abnormal maturation trajectories in response to inverted faces. <i>Autism Research</i> , 2021, 14, 1101-1114.	2.1	14
5	Development and recovery time of mental fatigue and its impact on motor function. <i>Biological Psychology</i> , 2021, 161, 108076.	1.1	14
6	Alterations in coordinated EEG activity precede the development of seizures in comatose children. <i>Clinical Neurophysiology</i> , 2021, 132, 1505-1514.	0.7	2
7	Effects of long-term unilateral cochlear implant use on large-scale network synchronization in adolescents. <i>Hearing Research</i> , 2021, 409, 108308.	0.9	0
8	Sex differences in brain connectivity and male vulnerability in very preterm children. <i>Human Brain Mapping</i> , 2020, 41, 388-400.	1.9	22
9	Increased Intra-Subject Variability of Reaction Times and Single-Trial Event-Related Potential Components in Children With Autism Spectrum Disorder. <i>Autism Research</i> , 2020, 13, 221-229.	2.1	15
10	Neuromagnetic activation and oscillatory dynamics of stimulus-locked processing during naturalistic viewing. <i>NeuroImage</i> , 2020, 216, 116414.	2.1	8
11	Multiple constrained minimum variance beamformer (MCMV) performance in connectivity analyses. <i>NeuroImage</i> , 2020, 208, 116386.	2.1	8
12	Atypical age-related changes in cortical thickness in autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 11067.	1.6	24
13	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
14	Atypical neuromagnetic resting activity associated with thalamic volume and cognitive outcome in very preterm children. <i>NeuroImage: Clinical</i> , 2020, 27, 102275.	1.4	4
15	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
16	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
17	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
18	Extreme male developmental trajectories of homotopic brain connectivity in autism. <i>Human Brain Mapping</i> , 2019, 40, 987-1000.	1.9	33

#	ARTICLE	IF	CITATIONS
19	Cognitive loading via mental arithmetic modulates effects of blink-related oscillations on precuneus and ventral attention network regions. <i>Human Brain Mapping</i> , 2019, 40, 377-393.	1.9	18
20	Idiosyncratic organization of cortical networks in autism spectrum disorder. <i>NeuroImage</i> , 2019, 190, 182-190.	2.1	71
21	Unified Principles of Thalamocortical Network Dynamics: A Framework for Typical/Atypical Functional Connectivity. , 2019, , 543-570.		4
22	Unified Principles of Thalamocortical Network Dynamics: A Framework for Typical/Atypical Functional Connectivity. , 2019, , 1-28.		3
23	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
24	Brain Vital Signs: Expanding From the Auditory to Visual Modality. <i>Frontiers in Neuroscience</i> , 2018, 12, 968.	1.4	14
25	Developmental changes in neuromagnetic rhythms and network synchrony in autism. <i>Annals of Neurology</i> , 2017, 81, 199-211.	2.8	35
26	Spatiotemporal changes in regularity of gamma oscillations contribute to focal ictogenesis. <i>Scientific Reports</i> , 2017, 7, 9362.	1.6	21
27	Top-down alpha oscillatory network interactions during visuospatial attention orienting. <i>NeuroImage</i> , 2016, 132, 512-519.	2.1	70
28	Bedside functional brain imaging in critically-ill children using high-density EEG source modeling and multi-modal sensory stimulation. <i>NeuroImage: Clinical</i> , 2016, 12, 198-211.	1.4	5
29	Desynchronization of fronto-temporal networks during working memory processing in autism. <i>Human Brain Mapping</i> , 2016, 37, 153-164.	1.9	52
30	Development of Human Neurophysiological Activity and Network Dynamics. , 2016, , 107-122.		2
31	Post-Traumatic Stress Constrains the Dynamic Repertoire of Neural Activity. <i>Journal of Neuroscience</i> , 2016, 36, 419-431.	1.7	42
32	Threatening faces induce fear circuitry hypersynchrony in soldiers with post-traumatic stress disorder. <i>Heliyon</i> , 2016, 2, e00063.	1.4	14
33	moviEEG: An animation toolbox for visualization of intracranial electroencephalography synchronization dynamics. <i>Clinical Neurophysiology</i> , 2016, 127, 2370-2378.	0.7	1
34	Brain activation patterns and cognitive processing speed in patients with pediatric-onset multiple sclerosis. <i>Journal of Clinical and Experimental Neuropsychology</i> , 2016, 38, 393-403.	0.8	21
35	Altered resting-state functional connectivity in cognitively preserved pediatric-onset MS patients and relationship to structural damage and cognitive performance. <i>Multiple Sclerosis Journal</i> , 2016, 22, 792-800.	1.4	20
36	Development of Network Synchronization Predicts Language Abilities. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 55-68.	1.1	24

#	ARTICLE	IF	CITATIONS
37	Detecting Mild Traumatic Brain Injury Using Resting State Magnetoencephalographic Connectivity. PLoS Computational Biology, 2016, 12, e1004914.	1.5	39
38	Alterations in Functional and Structural Connectivity in Pediatric-Onset Multiple Sclerosis. PLoS ONE, 2016, 11, e0145906.	1.1	28
39	Disconnected neuromagnetic networks in children born very preterm. NeuroImage: Clinical, 2015, 9, 376-384.	1.4	15
40	Theta, Mental Flexibility, and Post-Traumatic Stress Disorder: Connecting in the Parietal Cortex. PLoS ONE, 2015, 10, e0123541.	1.1	37
41	Coordinated Information Generation and Mental Flexibility: Large-Scale Network Disruption in Children with Autism. Cerebral Cortex, 2015, 25, 2815-2827.	1.6	38
42	Atypical language laterality is associated with large-scale disruption of network integration in children with intractable focal epilepsy. Cortex, 2015, 65, 83-88.	1.1	19
43	Dynamic changes of interictal post-spike slow waves toward seizure onset in focal cortical dysplasia type II. Clinical Neurophysiology, 2015, 126, 1670-1676.	0.7	4
44	Altered Network Oscillations and Functional Connectivity Dynamics in Children Born Very Preterm. Brain Topography, 2015, 28, 726-745.	0.8	22
45	Minimum variance beamformer weights revisited. NeuroImage, 2015, 120, 201-213.	2.1	10
46	Magnetoencephalography: Neurophysiologic Imaging for Perinatal Brain Development. NeoReviews, 2015, 16, e544-e550.	0.4	1
47	Characterising intra- and inter-intrinsic network synchrony in combat-related post-traumatic stress disorder. Psychiatry Research - Neuroimaging, 2015, 234, 172-181.	0.9	23
48	Dynamic preictal relations in FCD type II: Potential for early seizure detection in focal epilepsy. Epilepsy Research, 2015, 110, 26-31.	0.8	11
49	Neuromagnetic Vistas into Typical and Atypical Development of Frontal Lobe Functions. Frontiers in Human Neuroscience, 2014, 8, 453.	1.0	14
50	Atypical resting synchrony in autism spectrum disorder. Human Brain Mapping, 2014, 35, 6049-6066.	1.9	83
51	Reduced beta band connectivity during number estimation in autism. NeuroImage: Clinical, 2014, 6, 202-213.	1.4	32
52	Preictal surrender of post-ictal spike slow waves to spike-related high-frequency oscillations (80-200 Hz) is associated with seizure initiation. Epilepsia, 2014, 55, 1399-1405.	2.6	19
53	Reduced beta connectivity during emotional face processing in adolescents with autism. Molecular Autism, 2014, 5, 51.	2.6	56
54	Dynamic modulation of epileptic high frequency oscillations by the phase of slower cortical rhythms. Experimental Neurology, 2014, 251, 30-38.	2.0	75

#	ARTICLE	IF	CITATIONS
55	Oscillations, networks, and their development: MEG connectivity changes with age. <i>Human Brain Mapping</i> , 2014, 35, 5249-5261.	1.9	69
56	Impaired development of intrinsic connectivity networks in children with medically intractable localization-related epilepsy. <i>Human Brain Mapping</i> , 2014, 35, 5686-5700.	1.9	60
57	Thalamocortical Network Dynamics: A Framework for Typical/Atypical Cortical Oscillations and Connectivity. , 2014, , 429-449.		5
58	Temporal-Spatial Neural Activation Patterns Linked to Perceptual Encoding of Emotional Salience. <i>PLoS ONE</i> , 2014, 9, e93753.	1.1	10
59	Neonatal pain-related stress, functional cortical activity and visual-perceptual abilities in school-age children born at extremely low gestational age. <i>Pain</i> , 2013, 154, 1946-1952.	2.0	178
60	Neocortical pathological high-frequency oscillations are associated with frequency-dependent alterations in functional network topology. <i>Journal of Neurophysiology</i> , 2013, 110, 2475-2483.	0.9	41
61	Altered Rolandic Gamma-Band Activation Associated with Motor Impairment and Ictal Network Desynchronization in Childhood Epilepsy. <i>PLoS ONE</i> , 2013, 8, e54943.	1.1	9
62	Reduced Theta Connectivity during Set-Shifting in Children with Autism. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 785.	1.0	67
63	Region-Specific Slowing of Alpha Oscillations is Associated with Visual-Perceptual Abilities in Children Born Very Preterm. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 791.	1.0	29
64	Theta-Modulated Gamma-Band Synchronization Among Activated Regions During a Verb Generation Task. <i>Frontiers in Psychology</i> , 2012, 3, 195.	1.1	34
65	Theta modulation of inter-regional gamma synchronization during auditory attention control. <i>Brain Research</i> , 2012, 1431, 77-85.	1.1	59
66	Disruption of Rolandic Gamma-Band Functional Connectivity by Seizures is Associated with Motor Impairments in Children with Epilepsy. <i>PLoS ONE</i> , 2012, 7, e39326.	1.1	13
67	Altered long-range alpha-band synchronization during visual short-term memory retention in children born very preterm. <i>NeuroImage</i> , 2011, 54, 2330-2339.	2.1	52
68	Electrical Neuroimaging of Voluntary Audiospatial Attention: Evidence for a Supramodal Attention Control Network. <i>Journal of Neuroscience</i> , 2011, 31, 3560-3564.	1.7	56
69	Magnetoencephalography Reveals Slowing of Resting Peak Oscillatory Frequency in Children Born Very Preterm. <i>Pediatric Research</i> , 2011, 70, 171-175.	1.1	45
70	Long-range synchronization and local desynchronization of alpha oscillations during visual short-term memory retention in children. <i>Experimental Brain Research</i> , 2010, 201, 719-727.	0.7	27
71	Altered Long-Range Phase Synchronization and Cortical Activation in Children Born Very Preterm. <i>IFMBE Proceedings</i> , 2010, 29, 250-253.	0.2	8
72	From local inhibition to long-range integration: A functional dissociation of alpha-band synchronization across cortical scales in visuospatial attention. <i>Brain Research</i> , 2009, 1303, 97-110.	1.1	107

#	ARTICLE	IF	CITATIONS
73	Synchronization Between Sources: Emerging Methods for Understanding Large-Scale Functional Networks in the Human Brain. , 2009, , 25-42.		10
74	Rhythms of Consciousness: Binocular Rivalry Reveals Large-Scale Oscillatory Network Dynamics Mediating Visual Perception. PLoS ONE, 2009, 4, e6142.	1.1	153
75	Asynchrony from synchrony: long-range gamma-band neural synchrony accompanies perception of audiovisual speech asynchrony. Experimental Brain Research, 2008, 185, 11-20.	0.7	54
76	Large-Scale Gamma-Band Phase Synchronization and Selective Attention. Cerebral Cortex, 2008, 18, 386-396.	1.6	213
77	Corticothalamic necessity, qualia, and consciousness. Behavioral and Brain Sciences, 2007, 30, 90-91.	0.4	3
78	Long-distance alpha-band MEG synchronization maintains selective visual attention. International Congress Series, 2007, 1300, 551-554.	0.2	8
79	Neural synchrony in stochastic resonance, attention, and consciousness.. Canadian Journal of Experimental Psychology, 2006, 60, 319-326.	0.7	55
80	Increased gamma-band synchrony precedes switching of conscious perceptual objects in binocular rivalry. NeuroReport, 2005, 16, 1139-1142.	0.6	100