

Sam M Doesburg

List of Publications by Year in descending order

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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	Large-Scale Gamma-Band Phase Synchronization and Selective Attention. <i>Cerebral Cortex</i> , 2008, 18, 386-396.	1.6	213
2	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
3	Rhythms of Consciousness: Binocular Rivalry Reveals Large-Scale Oscillatory Network Dynamics Mediating Visual Perception. <i>PLoS ONE</i> , 2009, 4, e6142.	1.1	153
4	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
5	Increased gamma-band synchrony precedes switching of conscious perceptual objects in binocular rivalry. <i>NeuroReport</i> , 2005, 16, 1139-1142.	0.6	100
6	Atypical resting synchrony in autism spectrum disorder. <i>Human Brain Mapping</i> , 2014, 35, 6049-6066.	1.9	83
7	Dynamic modulation of epileptic high frequency oscillations by the phase of slower cortical rhythms. <i>Experimental Neurology</i> , 2014, 251, 30-38.	2.0	75
8	Idiosyncratic organization of cortical networks in autism spectrum disorder. <i>NeuroImage</i> , 2019, 190, 182-190.	2.1	71
9	Top-down alpha oscillatory network interactions during visuospatial attention orienting. <i>NeuroImage</i> , 2016, 132, 512-519.	2.1	70
10	Oscillations, networks, and their development: MEG connectivity changes with age. <i>Human Brain Mapping</i> , 2014, 35, 5249-5261.	1.9	69
11	Reduced Theta Connectivity during Set-Shifting in Children with Autism. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 785.	1.0	67
12	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
13	Theta modulation of inter-regional gamma synchronization during auditory attention control. <i>Brain Research</i> , 2012, 1431, 77-85.	1.1	59
14	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
15	Reduced beta connectivity during emotional face processing in adolescents with autism. <i>Molecular Autism</i> , 2014, 5, 51.	2.6	56
16	Neural synchrony in stochastic resonance, attention, and consciousness.. <i>Canadian Journal of Experimental Psychology</i> , 2006, 60, 319-326.	0.7	55
17	Asynchrony from synchrony: long-range gamma-band neural synchrony accompanies perception of audiovisual speech asynchrony. <i>Experimental Brain Research</i> , 2008, 185, 11-20.	0.7	54
18	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

#	ARTICLE	IF	CITATIONS
19	Desynchronization of fronto-temporal networks during working memory processing in autism. <i>Human Brain Mapping</i> , 2016, 37, 153-164.	1.9	52
20	Magnetoencephalography Reveals Slowing of Resting Peak Oscillatory Frequency in Children Born Very Preterm. <i>Pediatric Research</i> , 2011, 70, 171-175.	1.1	45
21	Post-Traumatic Stress Constrains the Dynamic Repertoire of Neural Activity. <i>Journal of Neuroscience</i> , 2016, 36, 419-431.	1.7	42
22	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
23	Detecting Mild Traumatic Brain Injury Using Resting State Magnetoencephalographic Connectivity. <i>PLoS Computational Biology</i> , 2016, 12, e1004914.	1.5	39
24	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
25	Theta, Mental Flexibility, and Post-Traumatic Stress Disorder: Connecting in the Parietal Cortex. <i>PLoS ONE</i> , 2015, 10, e0123541.	1.1	37
26	Developmental changes in neuromagnetic rhythms and network synchrony in autism. <i>Annals of Neurology</i> , 2017, 81, 199-211.	2.8	35
27	Theta-Modulated Gamma-Band Synchronization Among Activated Regions During a Verb Generation Task. <i>Frontiers in Psychology</i> , 2012, 3, 195.	1.1	34
28	Extreme male developmental trajectories of homotopic brain connectivity in autism. <i>Human Brain Mapping</i> , 2019, 40, 987-1000.	1.9	33
29	Reduced beta band connectivity during number estimation in autism. <i>NeuroImage: Clinical</i> , 2014, 6, 202-213.	1.4	32
30	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
31	Alterations in Functional and Structural Connectivity in Pediatric-Onset Multiple Sclerosis. <i>PLoS ONE</i> , 2016, 11, e0145906.	1.1	28
32	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
33	Development of Network Synchronization Predicts Language Abilities. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 55-68.	1.1	24
34	Atypical age-related changes in cortical thickness in autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 11067.	1.6	24
35	Characterising intra- and inter-intrinsic network synchrony in combat-related post-traumatic stress disorder. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 172-181.	0.9	23
36	Altered Network Oscillations and Functional Connectivity Dynamics in Children Born Very Preterm. <i>Brain Topography</i> , 2015, 28, 726-745.	0.8	22

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37	Sex differences in brain connectivity and male vulnerability in very preterm children. <i>Human Brain Mapping</i> , 2020, 41, 388-400.	1.9	22
38	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
39	Spatiotemporal changes in regularity of gamma oscillations contribute to focal ictogenesis. <i>Scientific Reports</i> , 2017, 7, 9362.	1.6	21
40	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
41	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
42	Precritical surrender of post-“spike slow waves to spike-related high-frequency oscillations (80-200 Hz) is associated with seizure initiation. <i>Epilepsia</i> , 2014, 55, 1399-1405.	2.6	19
43	Atypical language laterality is associated with large-scale disruption of network integration in children with intractable focal epilepsy. <i>Cortex</i> , 2015, 65, 83-88.	1.1	19
44	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
45	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
46	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
47	EEG before and after total corpus callosotomy for pharmacoresistant infantile spasms: Fast oscillations and slow-wave connectivity in hypsarrhythmia. <i>Epilepsia</i> , 2019, 60, 1849-1860.	2.6	16
48	Disconnected neuromagnetic networks in children born very preterm. <i>NeuroImage: Clinical</i> , 2015, 9, 376-384.	1.4	15
49	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
50	Neuromagnetic Vistas into Typical and Atypical Development of Frontal Lobe Functions. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 453.	1.0	14
51	Threatening faces induce fear circuitry hypersynchrony in soldiers with post-traumatic stress disorder. <i>Heliyon</i> , 2016, 2, e00063.	1.4	14
52	Brain Vital Signs: Expanding From the Auditory to Visual Modality. <i>Frontiers in Neuroscience</i> , 2018, 12, 968.	1.4	14
53	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
54	Development and recovery time of mental fatigue and its impact on motor function. <i>Biological Psychology</i> , 2021, 161, 108076.	1.1	14

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55	Disruption of Rolandic Gamma-Band Functional Connectivity by Seizures is Associated with Motor Impairments in Children with Epilepsy. PLoS ONE, 2012, 7, e39326.	1.1	13
56	Dynamic preictal relations in FCD type II: Potential for early seizure detection in focal epilepsy. Epilepsy Research, 2015, 110, 26-31.	0.8	11
57	Minimum variance beamformer weights revisited. NeuroImage, 2015, 120, 201-213.	2.1	10
58	Synchronization Between Sources: Emerging Methods for Understanding Large-Scale Functional Networks in the Human Brain. , 2009, , 25-42.		10
59	Temporal-Spatial Neural Activation Patterns Linked to Perceptual Encoding of Emotional Salience. PLoS ONE, 2014, 9, e93753.	1.1	10
60	Altered Rolandic Gamma-Band Activation Associated with Motor Impairment and Ictal Network Desynchronization in Childhood Epilepsy. PLoS ONE, 2013, 8, e54943.	1.1	9
61	Long-distance alpha-band MEG synchronization maintains selective visual attention. International Congress Series, 2007, 1300, 551-554.	0.2	8
62	Neuromagnetic activation and oscillatory dynamics of stimulus-locked processing during naturalistic viewing. NeuroImage, 2020, 216, 116414.	2.1	8
63	Multiple constrained minimum variance beamformer (MCMV) performance in connectivity analyses. NeuroImage, 2020, 208, 116386.	2.1	8
64	Altered Long-Range Phase Synchronization and Cortical Activation in Children Born Very Preterm. IFMBE Proceedings, 2010, 29, 250-253.	0.2	8
65	Bedside functional brain imaging in critically-ill children using high-density EEG source modeling and multi-modal sensory stimulation. NeuroImage: Clinical, 2016, 12, 198-211.	1.4	5
66	Thalamocortical Network Dynamics: A Framework for Typical/Atypical Cortical Oscillations and Connectivity. , 2014, , 429-449.		5
67	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
68	Atypical neuromagnetic resting activity associated with thalamic volume and cognitive outcome in very preterm children. NeuroImage: Clinical, 2020, 27, 102275.	1.4	4
69	Unified Principles of Thalamocortical Network Dynamics: A Framework for Typical/Atypical Functional Connectivity. , 2019, , 543-570.		4
70	Corticothalamic necessity, qualia, and consciousness. Behavioral and Brain Sciences, 2007, 30, 90-91.	0.4	3
71	Unified Principles of Thalamocortical Network Dynamics: A Framework for Typical/Atypical Functional Connectivity. , 2019, , 1-28.		3
72	Children with autism spectrum disorder show atypical electroencephalographic response to processing contextual incongruencies. Scientific Reports, 2022, 12, .	1.6	3

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73	Development of Human Neurophysiological Activity and Network Dynamics. , 2016, , 107-122.		2
74	Alterations in coordinated EEG activity precede the development of seizures in comatose children. Clinical Neurophysiology, 2021, 132, 1505-1514.	0.7	2
75	Magnetoencephalography: Neurophysiologic Imaging for Perinatal Brain Development. NeoReviews, 2015, 16, e544-e550.	0.4	1
76	moviEEG: An animation toolbox for visualization of intracranial electroencephalography synchronization dynamics. Clinical Neurophysiology, 2016, 127, 2370-2378.	0.7	1
77	Dominant Patterns of Information Flow in the Propagation of the Neuromagnetic Somatosensory Steady-State Response. Frontiers in Neural Circuits, 2018, 12, 118.	1.4	1
78	Classification of evoked responses to inverted faces reveals both spatial and temporal cortical response abnormalities in Autism spectrum disorder. Neurolmage: Clinical, 2021, 29, 102501.	1.4	1
79	Effects of long-term unilateral cochlear implant use on large-scale network synchronization in adolescents. Hearing Research, 2021, 409, 108308.	0.9	0
80	Developmental differences in neuromagnetic cortical activation and phase synchrony elicited by scenes with faces during movie watching. ENeuro, 2022, , ENEURO.0494-21.2022.	0.9	0