

# ThalÃ- a Harmony

## List of Publications by Year in descending order

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94  
papers

3,269  
citations

186265

28  
h-index

161849

54  
g-index

102  
all docs

102  
docs citations

102  
times ranked

3075  
citing authors

#	ARTICLE	IF	CITATIONS
1	The functional significance of delta oscillations in cognitive processing. <i>Frontiers in Integrative Neuroscience</i> , 2013, 7, 83.	2.1	419
2	EEG delta activity: an indicator of attention to internal processing during performance of mental tasks. <i>International Journal of Psychophysiology</i> , 1996, 24, 161-171.	1.0	352
3	3D Statistical Parametric Mapping of EEG Source Spectra by Means of Variable Resolution Electromagnetic Tomography (VARETA). <i>Clinical EEG (electroencephalography)</i> , 2001, 32, 47-61.	0.9	195
4	EEG activation patterns during the performance of tasks involving different components of mental calculation. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 94, 175-182.	0.3	186
5	Clinical neuroimaging in the preterm infant: Diagnosis and prognosis. <i>NeuroImage: Clinical</i> , 2017, 16, 355-368.	2.7	119
6	Effect of sex, psychosocial disadvantages and biological risk factors on EEG maturation. <i>Electroencephalography and Clinical Neurophysiology</i> , 1990, 75, 482-491.	0.3	118
7	Do specific EEG frequencies indicate different processes during mental calculation?. <i>Neuroscience Letters</i> , 1999, 266, 25-28.	2.1	111
8	Maturation of the coherence of EEG activity in normal and learning-disabled children. <i>Electroencephalography and Clinical Neurophysiology</i> , 1992, 83, 350-357.	0.3	93
9	Correlation Between Eeg Spectral Parameters and an Educational Evaluation. <i>International Journal of Neuroscience</i> , 1990, 54, 147-155.	1.6	84
10	Repetitive transcranial magnetic stimulation decreases the number of seizures in patients with focal neocortical epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2008, 17, 677-683.	2.0	74
11	EEG and Behavioral Changes following Neurofeedback Treatment in Learning Disabled Children. <i>Clinical EEG (electroencephalography)</i> , 2003, 34, 145-152.	0.9	70
12	Primary task demands modulate P3a amplitude. <i>Cognitive Brain Research</i> , 2000, 9, 53-60.	3.0	66
13	Neurofeedback in Healthy Elderly Human Subjects with Electroencephalographic Risk for Cognitive Disorder. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 357-367.	2.6	60
14	Time-frequency-topographic analysis of induced power and synchrony of EEG signals during a Go/No-Go task. <i>International Journal of Psychophysiology</i> , 2009, 71, 9-16.	1.0	58
15	Sources of Abnormal EEG Activity in the Presence of Brain Lesions. <i>Clinical EEG (electroencephalography)</i> , 1999, 30, 46-52.	0.9	56
16	Longitudinal quantitative EEG study of children with different performances on a reading-writing test. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 95, 426-433.	0.3	53
17	Relationship of specific EEG frequencies at specific brain areas with performance. <i>NeuroReport</i> , 1998, 9, 3680-3687.	1.2	53
18	Electroencephalographic coherences discriminate between children with different pedagogical evaluation. <i>International Journal of Psychophysiology</i> , 1995, 19, 23-32.	1.0	52

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19	Follow-Up Study of Learning-Disabled Children Treated with Neurofeedback or Placebo. <i>Clinical EEG and Neuroscience</i> , 2006, 37, 198-203.	1.7	52
20	N400 and lexical decisions: automatic or controlled processing?. <i>Clinical Neurophysiology</i> , 1999, 110, 813-824.	1.5	43
21	Changes in EEG Current Sources Induced by Neurofeedback in Learning Disabled Children. An Exploratory Study. <i>Applied Psychophysiology Biofeedback</i> , 2007, 32, 169-183.	1.7	43
22	Sources of Abnormal EEG Activity in Brain Infarctions. <i>Clinical EEG (electroencephalography)</i> , 2000, 31, 165-169.	0.9	40
23	Auditory event-related potentials in poor readers. <i>International Journal of Psychophysiology</i> , 2000, 36, 11-23.	1.0	40
24	EEG sources in a group of patients with major depressive disorders. <i>International Journal of Psychophysiology</i> , 2009, 71, 70-74.	1.0	39
25	Correlation between computed tomography and voltage and current source density spectral EEG parameters in patients with brain lesions. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 87, 196-205.	0.3	35
26	Sources of EEG Activity in Learning Disabled Children. <i>Clinical EEG (electroencephalography)</i> , 2002, 33, 160-164.	0.9	32
27	Specific EEG frequencies signal general common cognitive processes as well as specific task processes in man. <i>International Journal of Psychophysiology</i> , 2004, 53, 207-216.	1.0	31
28	Effect of Different Factors on EEG Spectral Parameters. <i>International Journal of Neuroscience</i> , 1988, 43, 123-131.	1.6	30
29	EEG changes during word and figure categorization. <i>Clinical Neurophysiology</i> , 2001, 112, 1486-1498.	1.5	29
30	Cerebral blood flow and sources of abnormal EEG activity (VARETA) in neurocysticercosis. <i>Clinical Neurophysiology</i> , 2001, 112, 2281-2287.	1.5	29
31	Source analysis of polyspike and wave complexes in juvenile myoclonic epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2002, 11, 320-324.	2.0	28
32	Sources of Abnormal EEG Activity in Spontaneous Intracerebral Hemorrhage. <i>Clinical EEG (electroencephalography)</i> , 2002, 33, 70-76.	0.9	27
33	Are poor readers semantically challenged? An event-related brain potential assessment. <i>International Journal of Psychophysiology</i> , 2003, 49, 187-199.	1.0	27
34	Exploration of event-induced EEG phase synchronization patterns in cognitive tasks using a time-frequency-topography visualization system. <i>Journal of Neuroscience Methods</i> , 2007, 161, 166-182.	2.5	24
35	Neurofeedback in Learning Disabled Children: Visual versus Auditory Reinforcement. <i>Applied Psychophysiology Biofeedback</i> , 2016, 41, 27-37.	1.7	24
36	Specific EEG frequencies at specific brain areas and performance. <i>NeuroReport</i> , 2000, 11, 2663-2668.	1.2	23

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37	Analysis of background EEG activity in patients with juvenile myoclonic epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2008, 17, 437-445.	2.0	23
38	Healthy aging: Relationship between quantitative electroencephalogram and cognition. <i>Neuroscience Letters</i> , 2012, 510, 115-120.	2.1	23
39	Effects of two different cycles of vagus nerve stimulation on interictal epileptiform discharges. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2006, 15, 615-620.	2.0	18
40	Event-related EEG oscillations to semantically unrelated words in normal and learning disabled children. <i>Brain and Cognition</i> , 2012, 80, 74-82.	1.8	18
41	Stable Sparse Classifiers Identify qEEG Signatures that Predict Learning Disabilities (NOS) Severity. <i>Frontiers in Neuroscience</i> , 2018, 11, 749.	2.8	18
42	Delayed P300 during Sternberg and color discrimination tasks in poor readers. <i>International Journal of Psychophysiology</i> , 2001, 40, 17-32.	1.0	17
43	Evolution of cerebral edema and its relationship with power in the theta band. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 102, 279-285.	0.3	16
44	EEG Source Localization of Interictal Epileptiform Activity in Patients with Partial Complex Epilepsy: Comparison between Dipole Modeling and Brain Distributed Source Models. <i>Clinical EEG (electroencephalography)</i> , 2002, 33, 42-47.	0.9	16
45	Exploratory EEG data analysis for psychophysiological experiments. <i>NeuroImage</i> , 2004, 21, 991-999.	4.2	16
46	Comparison of Z and multivariate statistical brain electromagnetic maps for the localization of brain lesions. <i>Electroencephalography and Clinical Neurophysiology</i> , 1995, 95, 372-380.	0.3	15
47	Auditory steady-state responses in infants with perinatal brain injury. <i>Pediatric Neurology</i> , 2005, 32, 236-240.	2.1	15
48	Analysis of auditory function using brainstem auditory evoked potentials and auditory steady state responses in infants with perinatal brain injury. <i>International Journal of Audiology</i> , 2010, 49, 110-115.	1.7	15
49	Longitudinal study of children with perinatal brain damage in whom early neurohabilitation was applied: Preliminary report. <i>Neuroscience Letters</i> , 2016, 611, 59-67.	2.1	15
50	Magnesium valproate in learning disabled children with interictal paroxysmal EEG patterns: Preliminary report. <i>Neuroscience Letters</i> , 2011, 492, 99-104.	2.1	13
51	3D Statistical Parametric Mapping of quiet sleep EEG in the first year of life. <i>NeuroImage</i> , 2012, 59, 3297-3308.	4.2	13
52	Electroencephalographic characterization of subgroups of children with learning disorders. <i>PLoS ONE</i> , 2017, 12, e0179556.	2.5	13
53	Chapter 41 Sources of EEG activity during a verbal working memory task in adults and children. <i>Supplements To Clinical Neurophysiology</i> , 2002, , 269-283.	2.1	12
54	Electrophysiological auditory responses and language development in infants with periventricular leukomalacia. <i>Brain and Language</i> , 2011, 119, 175-183.	1.6	12

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55	EEG effective connectivity during the first year of life mirrors brain synaptogenesis, myelination, and early right hemisphere predominance. <i>NeuroImage</i> , 2022, 252, 119035.	4.2	12
56	Habituation of visual evoked potentials in healthy infants and in infants with periventricular leukomalacia. <i>Clinical Neurophysiology</i> , 2008, 119, 2879-2886.	1.5	11
57	Na-K-ATPase distribution in the brain of the rabbit. <i>Brain Research</i> , 1967, 5, 109-111.	2.2	10
58	Transitory Cognitive Impairment in Epileptic Children during a CPT Task. <i>Clinical EEG (electroencephalography)</i> , 2000, 31, 175-180.	0.9	10
59	QEEG norms for the first year of life. <i>Early Human Development</i> , 2011, 87, 691-703.	1.8	10
60	Schizencephaly with occlusion or absence of middle cerebral artery. <i>Neuroradiology</i> , 2006, 48, 171-175.	2.2	9
61	Interictal Regional Cerebral Blood Flow and Electrical Source Analysis in Patients with Complex Partial Seizures. <i>Archives of Medical Research</i> , 2006, 37, 145-149.	3.3	9
62	Classification and interactive segmentation of EEG synchrony patterns. <i>Pattern Recognition</i> , 2010, 43, 530-544.	8.1	9
63	Variable resolution electromagnetic tomography (VARETA) in evaluation of compression of cerebral arteries due to deep midline brain lesions. <i>Archives of Medical Research</i> , 2004, 35, 225-230.	3.3	8
64	Motor Potentials by Magnetic Stimulation in Periventricular Leukomalacia. <i>Pediatric Neurology</i> , 2009, 40, 282-288.	2.1	7
65	Early diagnosis and treatment of infants with prenatal and perinatal risk factors for brain damage at the neurodevelopmental research unit in Mexico. <i>NeuroImage</i> , 2021, 235, 117984.	4.2	7
66	Electrophysiological auditory response to acoustically modified syllables in preterm and full-term infants. <i>Journal of Neurolinguistics</i> , 2016, 38, 14-25.	1.1	6
67	Visual evoked potentials are similar in polysomnographically defined quiet and active sleep in healthy newborns. <i>International Journal of Developmental Neuroscience</i> , 2018, 68, 26-34.	1.6	5
68	Improving the efficiency of Auditory Brainstem Responses in newborns, using a 60 clicks/s stimulation rate. <i>Journal of Clinical Neuroscience</i> , 2017, 45, 299-304.	1.5	4
69	Week-by-week changes in sleep EEG in healthy full-term newborns. <i>Sleep</i> , 2020, 43, .	1.1	4
70	Epileptic Encephalopathy in Children with Risk Factors for Brain Damage. <i>Epilepsy Research &amp; Treatment</i> , 2012, 2012, 1-7.	1.4	3
71	Visuospatial Working Memory in Toddlers with a History of Periventricular Leukomalacia: An EEG Narrow-Band Power Analysis. <i>PLoS ONE</i> , 2013, 8, e69837.	2.5	3
72	Outcome of Infants at Risk of Brain Damage after Katona Neurohabilitation Therapy. <i>International Journal of Neurorehabilitation</i> , 2017, 04, .	0.1	3

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73	Behavioral and electrophysiological study of attention process in preterm infants with cerebral white matter injury.. Psychology and Neuroscience, 2018, 11, 132-145.	0.8	3
74	The hemodynamic response to acoustically modified syllables in premature and full term newborn infants acquired by near infrared spectroscopy.. Acta Colombiana De Psicología, 2014, 17, 13-21.	0.4	3
75	Effect of Hearing Aids on Auditory Function in Infants with Perinatal Brain Injury and Severe Hearing Loss. PLoS ONE, 2012, 7, e41002.	2.5	2
76	Visual Evoked Potentials in Infants With Diffuse Periventricular Leukomalacia. Clinical EEG and Neuroscience, 2014, 45, 269-273.	1.7	2
77	Development of Emotional Face Processing in Premature and Full-Term Infants. Clinical EEG and Neuroscience, 2017, 48, 88-95.	1.7	2
78	Programa de educación para padres sobre estimulación del desarrollo del lenguaje de lactantes prematuros con riesgo de daño cerebral. Revista De Logopedia, Foniatria Y Audiología, 2019, 39, 32-40.	0.5	2
79	Long-term therapeutic effects of Katona therapy in moderate-to-severe perinatal brain damage. Neuroscience Letters, 2020, 738, 135345.	2.1	2
80	Psychophysiological Evaluation of Neuropsychological Disorders in Children. Critical Issues in Neuropsychology, 1997, , 356-370.	0.4	2
81	Infant Scale of Selective Attention: A Proposal to Assess Cognitive Abilities. Revista Evaluar, 2017, 17, .	0.2	2
82	Psychophysiological Evaluation of Neuropsychological Disorders in Children. , 2009, , 383-399.		2
83	Characterization of the Sensorimotor Rhythm in 4-Month-Old Infants Born at Term and Premature. Applied Psychophysiology Biofeedback, 2017, 42, 257-267.	1.7	1
84	Development of auditory sensory memory in preterm infants. Early Human Development, 2020, 145, 105045.	1.8	1
85	Quantitative Electroencephalography in the Normal and Abnormal Developing Human Brain. , 2008, , 103-118.		1
86	Los padres como promotores del desarrollo de lenguaje de bebés prematuros: propuesta de intervención temprana. Actualidades En Psicología: AP, 2018, 32, 51.	0.1	1
87	Early detection and treatment of attention deficits in preterm and at term infants with risk factors for brain damage. International Journal of Psychophysiology, 2022, 172, 17-23.	1.0	1
88	A maximum linear separation criterion for the analysis of neurophysiological data. Journal of Neuroscience Methods, 2013, 214, 233-245.	2.5	0
89	P4-321: RELATIONSHIP BETWEEN THE EXCESS OF EEG THETA ACTIVITY AND COGNITIVE PERFORMANCE IN HEALTHY ELDERLY SUBJECTS. , 2014, 10, P903-P904.		0
90	Event related potentials of emotional face processing in premature and full-term infants. IBRO Reports, 2019, 6, S464.	0.3	0

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91	How to Obtain Reliable Visual Event-related Potentials in Newborns. Journal of Visualized Experiments, 2019, , .	0.3	0
92	AB031. Neurohabilitation, a procedure to decrease neurologic and cognitive sequelae in newborns with perinatal brain injury. Pediatric Medicine, 2020, 3, AB031-AB031.	2.7	0
93	A Novel Methodology to Study Synchrony, Causality and Delay in EEG Data. Computacion Y Sistemas, 2020, 24, .	0.3	0
94	Neuroimaging techniques. , 2022, , 27-56.		0