

Dietrich Lehmann

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

7,809
citations

76326

40
h-index

71685

76
g-index

86
all docs

86
docs citations

86
times ranked

5768
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep deprivation: Effect on sleep stages and EEG power density in man. <i>Electroencephalography and Clinical Neurophysiology</i> , 1981, 51, 483-493.	0.3	898
2	Assessing interactions in the brain with exact low-resolution electromagnetic tomography. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3768-3784.	3.4	578
3	Millisecond by Millisecond, Year by Year: Normative EEG Microstates and Developmental Stages. <i>NeuroImage</i> , 2002, 16, 41-48.	4.2	552
4	Low resolution brain electromagnetic tomography (LORETA) functional imaging in acute, neuroleptic-naive, first-episode, productive schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 1999, 90, 169-179.	1.8	545
5	Spatial analysis of evoked potentials in man—a review. <i>Progress in Neurobiology</i> , 1984, 23, 227-250.	5.7	339
6	Psychobiology of Altered States of Consciousness.. <i>Psychological Bulletin</i> , 2005, 131, 98-127.	6.1	327
7	EEG microstate duration and syntax in acute, medication-naïve, first-episode schizophrenia: a multi-center study. <i>Psychiatry Research - Neuroimaging</i> , 2005, 138, 141-156.	1.8	316
8	A deviant EEG brain microstate in acute, neuroleptic-naïve schizophrenics at rest. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 1999, 249, 205-211.	3.2	260
9	Rapid emotional face processing in the human right and left brain hemispheres. <i>NeuroReport</i> , 1999, 10, 2691-2698.	1.2	252
10	Affective Judgments of Faces Modulate Early Activity (≈160 ms) within the Fusiform Gyri. <i>NeuroImage</i> , 2002, 16, 663-677.	4.2	248
11	Evaluation of Methods for Three-Dimensional Localization of Electrical Sources in the Human Brain. <i>IEEE Transactions on Biomedical Engineering</i> , 1978, BME-25, 421-429.	4.2	247
12	Localization of MDMA-induced brain activity in healthy volunteers using low resolution brain electromagnetic tomography (LORETA). <i>Human Brain Mapping</i> , 2001, 14, 152-165.	3.6	157
13	Brain sources of EEG gamma frequency during volitionally meditation-induced, altered states of consciousness, and experience of the self. <i>Psychiatry Research - Neuroimaging</i> , 2001, 108, 111-121.	1.8	150
14	Microstates in Language-Related Brain Potential Maps Show Noun–Verb Differences. <i>Brain and Language</i> , 1996, 53, 169-182.	1.6	149
15	Reduced functional connectivity between cortical sources in five meditation traditions detected with lagged coherence using EEG tomography. <i>NeuroImage</i> , 2012, 60, 1574-1586.	4.2	134
16	Tonic Activity Level in the Right Prefrontal Cortex Predicts Individuals' Risk Taking. <i>Psychological Science</i> , 2009, 20, 33-38.	3.3	133
17	Source localization of EEG activity during hypnotically induced anxiety and relaxation. <i>International Journal of Psychophysiology</i> , 2001, 41, 143-153.	1.0	126
18	Resting-state connectivity in the prodromal phase of schizophrenia: Insights from EEG microstates. <i>Schizophrenia Research</i> , 2014, 152, 513-520.	2.0	119

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19	Associative processing and paranormal belief. <i>Psychiatry and Clinical Neurosciences</i> , 2001, 55, 595-603.	1.8	114
20	Mapping event-related brain potential microstates to sentence endings. <i>Brain Topography</i> , 1995, 8, 145-159.	1.8	108
21	Correlation between disease severity and brain electric LORETA tomography in Alzheimer's disease. <i>Clinical Neurophysiology</i> , 2007, 118, 186-196.	1.5	93
22	Segments of event-related potential map series reveal landscape changes with visual attention and subjective contours. <i>Electroencephalography and Clinical Neurophysiology</i> , 1989, 73, 507-519.	0.3	87
23	Classes of Multichannel EEG Microstates in Light and Deep Hypnotic Conditions. <i>Brain Topography</i> , 2007, 20, 7-14.	1.8	86
24	Core networks for visual-concrete and abstract thought content: A brain electric microstate analysis. <i>NeuroImage</i> , 2010, 49, 1073-1079.	4.2	84
25	EEG microstates. <i>Scholarpedia Journal</i> , 2009, 4, 7632.	0.3	81
26	Global, Regional, and Local Measures of Complexity of Multichannel Electroencephalography in Acute, Neuroleptic-Naive, First-Break Schizophrenics. <i>Biological Psychiatry</i> , 1998, 43, 794-802.	1.3	80
27	Coherence and phase locking in the scalp EEG and between LORETA model sources, and microstates as putative mechanisms of brain temporo-spatial functional organization. <i>Journal of Physiology (Paris)</i> , 2006, 99, 29-36.	2.1	80
28	Assessing direct paths of intracortical causal information flow of oscillatory activity with the isolated effective coherence (iCoh). <i>Frontiers in Human Neuroscience</i> , 2014, 8, 448.	2.0	77
29	Mood state and brain electric activity in Ecstasy users. <i>NeuroReport</i> , 2000, 11, 157-162.	1.2	73
30	EEG Microstates During Resting Represent Personality Differences. <i>Brain Topography</i> , 2012, 25, 20-26.	1.8	73
31	First Valence, Then Arousal: The Temporal Dynamics of Brain Electric Activity Evoked by Emotional Stimuli. <i>Brain Topography</i> , 2008, 20, 143-156.	1.8	71
32	Spatial principal components of multichannel maps evoked by lateral visual half-field stimuli. <i>Electroencephalography and Clinical Neurophysiology</i> , 1982, 54, 662-667.	0.3	68
33	Global dimensional complexity of multi-channel EEG indicates change of human brain functional state after a single dose of a nootropic drug. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 86, 193-198.	0.3	62
34	Brain electric correlates of strong belief in paranormal phenomena: intracerebral EEG source and regional Omega complexity analyses. <i>Psychiatry Research - Neuroimaging</i> , 2000, 100, 139-154.	1.8	60
35	Meditators and Non-Meditators: EEG Source Imaging During Resting. <i>Brain Topography</i> , 2009, 22, 158-165.	1.8	60
36	Comparison of simultaneously recorded [H215O]-PET and LORETA during cognitive and pharmacological activation. <i>Human Brain Mapping</i> , 2004, 22, 83-96.	3.6	48

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37	A single dose of benzodiazepine hypnotics alters the sleep EEG in the subsequent drug-free night. <i>European Journal of Pharmacology</i> , 1983, 89, 157-161.	3.5	44
38	42-channel potential map series to visual contrast and stereo stimuli: perceptual and cognitive event-related segments. <i>International Journal of Psychophysiology</i> , 1992, 12, 133-145.	1.0	44
39	Rivastigmine effects on EEG spectra and three-dimensional LORETA functional imaging in Alzheimer's disease. <i>Psychopharmacology</i> , 2008, 198, 323-332.	3.1	44
40	Space-oriented EEG segmentation reveals changes in brain electric field maps under the influence of a nootropic drug. <i>Psychiatry Research - Neuroimaging</i> , 1993, 50, 275-282.	1.8	43
41	Brain electrical activity and subjective experience during altered states of consciousness: ganzfeld and hypnagogic states. <i>International Journal of Psychophysiology</i> , 2002, 46, 123-146.	1.0	43
42	Functionally aberrant electrophysiological cortical connectivities in first episode medication-naïve schizophrenics from three psychiatry centers. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 635.	2.0	43
43	EEG Source Localization and Global Dimensional Complexity in High- and Low- Hypnotizable Subjects: A Pilot Study. <i>Neuropsychobiology</i> , 2001, 44, 192-198.	1.9	36
44	Zazen meditation and no-task resting EEG compared with LORETA intracortical source localization. <i>Cognitive Processing</i> , 2015, 16, 87-96.	1.4	35
45	Single Doses of Piracetam Affect 42-Channel Event-Related Potential Microstate Maps in a Cognitive Paradigm. <i>Neuropsychobiology</i> , 1993, 28, 212-221.	1.9	31
46	Faces and emotions: brain electric field sources during covert emotional processing. <i>Neuropsychologia</i> , 1998, 36, 323-332.	1.6	30
47	sLORETA intracortical lagged coherence during breath counting in meditation-naïve participants. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 303.	2.0	29
48	Affective attitudes to face images associated with intracerebral EEG source location before face viewing. <i>Cognitive Brain Research</i> , 1999, 7, 371-377.	3.0	26
49	EEG reactivity in high and low symptomatic schizophrenics, using source modelling in the frequency domain. <i>Brain Topography</i> , 1993, 5, 389-394.	1.8	21
50	Monocularly Evoked Electroencephalogram Potentials : Influence of Target Structure presented to the other Eye. <i>Nature</i> , 1967, 215, 204-205.	27.8	20
51	Single-dose piracetam effects on global complexity measures of human spontaneous multichannel EEG. <i>International Journal of Psychophysiology</i> , 1999, 34, 81-87.	1.0	20
52	Temporal Characteristics of EEG Microstates Mediate Trial-by-Trial Risk Taking. <i>Brain Topography</i> , 2017, 30, 149-159.	1.8	20
53	EEG source imaging during two Qigong meditations. <i>Cognitive Processing</i> , 2012, 13, 255-265.	1.4	19
54	EEG sLORETA Functional Imaging During Hypnotic Arm Levitation and Voluntary Arm Lifting. <i>International Journal of Clinical and Experimental Hypnosis</i> , 2012, 60, 31-53.	1.8	17

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55	Modalities of Thinking: State and Trait Effects on Cross-Frequency Functional Independent Brain Networks. <i>Brain Topography</i> , 2016, 29, 477-490.	1.8	17
56	Spatial Analysis of EEG and Evoked Potential Data. , 1986, , 29-61.		16
57	Multimodal analysis of resting state cortical activity: What does fMRI add to our knowledge of microstates in resting state EEG activity?. <i>NeuroImage</i> , 2010, 52, 1173-1174.	4.2	15
58	Traumatic Bitemporal Hemianopsia. <i>American Journal of Ophthalmology</i> , 1968, 65, 578-581.	3.3	14
59	Diazepam and Sulpiride Effects on Frequency Domain EEG Source Locations. <i>Neuropsychobiology</i> , 1994, 30, 126-131.	1.9	14
60	N1 and P2 of frequent and rare event-related potentials show effects and after-effects of the attended target in the oddball-paradigm. <i>International Journal of Psychophysiology</i> , 1990, 9, 293-301.	1.0	11
61	Psychobiology of altered states of consciousness.. <i>Psychology of Consciousness: Theory Research, and Practice</i> , 2013, 1, 2-47.	0.4	11
62	Brain electrical source imaging in manic and depressive episodes of bipolar disorder. <i>Bipolar Disorders</i> , 2014, 16, 690-702.	1.9	11
63	Neuronale Effekte der Caudatumreizung im visuellen Cortex. <i>Pflugers Archiv European Journal of Physiology</i> , 1964, 280, 297-315.	2.8	10
64	Automatic classification of visual evoked responses. <i>Computer Methods and Programs in Biomedicine</i> , 1985, 20, 17-22.	4.7	10
65	Source locations of EEG frequency bands during hypnotic arm levitation: a pilot study. <i>Contemporary Hypnosis</i> , 2001, 18, 120-127.	0.7	10
66	Source localization of brain electric activity during positive, neutral and negative emotional states. <i>International Congress Series</i> , 2002, 1232, 165-173.	0.2	9
67	Event-related potential components N1, P2 and P3 to rare and frequent stimuli in intellectually impaired neurological patients. <i>European Archives of Psychiatry and Neurological Sciences</i> , 1991, 240, 240-245.	0.9	8
68	Instantaneous frequency maps, dipole models and potential distributions of pattern reversal-evoked potential fields for correct recognition of stimulated hemiretinae. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1996, 100, 569-578.	2.0	8
69	EEG, EVOKED POTENTIALS, AND EYE AND IMAGE MOVEMENTS. , 1971, , 149-174.		8
70	Consciousness: Microstates of the brain's electric field as atoms of thought and emotion. , 0, , 191-218.		6
71	Linguistic Meaning-Related Differences in ERP Scalp Topography. , 1979, , 31-42.		5
72	Pattern Evoked Average EEG Potentials and Dichoptic Visual Percepts. <i>Perception</i> , 1977, 6, 77-84.	1.2	4

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73	All brain work " including recall " is state-dependent. Behavioral and Brain Sciences, 2000, 23, 964-965.	0.7	4
74	Memory, adaptive orienting and psychosomatics: a brain model. International Congress Series, 2002, 1241, 305-311.	0.2	3
75	Experience-dependent brain plasticity: A key concept for studying nonconscious decisions. International Congress Series, 2006, 1286, 45-52.	0.2	2
76	EEG source locations after guessed random events in believers and skeptics of paranormal phenomena. International Congress Series, 2002, 1232, 439-441.	0.2	1
77	The Brain's Experience-Dependent Plasticity, State-Dependent Recall, and Creation of Subjectivity of Mental Functions. , 2006, , 219-232.		1
78	Microstate analysis of information processing in a reading task with Kanji and Katakana. International Congress Series, 2002, 1232, 397-401.	0.2	0
79	Understanding Consciousness: An Online Workshop on Contemporary Theories. Nature Precedings, 2010, , .	0.1	0
80	Plasticit� cerebrale dipendente dall'esperienza, ricordo stato-dipendente e creazione della soggettivit� delle funzioni mentali. , 2007, , 231-245.		0