

Tamer Demiralp

List of Publications by Year in descending order

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98
papers

4,886
citations

117571

34
h-index

95218

68
g-index

111
all docs

111
docs citations

111
times ranked

4537
citing authors

#	ARTICLE	IF	CITATIONS
1	Human EEG gamma oscillations in neuropsychiatric disorders. <i>Clinical Neurophysiology</i> , 2005, 116, 2719-2733.	0.7	536
2	P300-response: possible psychophysiological correlates in delta and theta frequency channels. A review. <i>International Journal of Psychophysiology</i> , 1992, 13, 161-179.	0.5	481
3	Alpha rhythm of the EEG modulates visual detection performance in humans. <i>Cognitive Brain Research</i> , 2004, 20, 376-383.	3.3	466
4	Gamma amplitudes are coupled to theta phase in human EEG during visual perception. <i>International Journal of Psychophysiology</i> , 2007, 64, 24-30.	0.5	193
5	Comparative analysis of event-related potentials during Go/NoGo and CPT: Decomposition of electrophysiological markers of response inhibition and sustained attention. <i>Brain Research</i> , 2006, 1104, 114-128.	1.1	182
6	Classification of electroencephalogram signals with combined time and frequency features. <i>Expert Systems With Applications</i> , 2011, 38, 10499-10505.	4.4	162
7	Time-frequency analysis reveals multiple functional components during oddball P300. <i>NeuroReport</i> , 1997, 8, 2061-2065.	0.6	155
8	Event-related oscillations are "real brain responses" wavelet analysis and new strategies. <i>International Journal of Psychophysiology</i> , 2001, 39, 91-127.	0.5	148
9	Wavelet analysis of P3a and P3b. <i>Brain Topography</i> , 2001, 13, 251-267.	0.8	148
10	Wavelet analysis of oddball P300. <i>International Journal of Psychophysiology</i> , 2001, 39, 221-227.	0.5	135
11	Detection of P300 Waves in Single Trials by the Wavelet Transform (WT). <i>Brain and Language</i> , 1999, 66, 108-128.	0.8	121
12	Time-Frequency Analysis of Single-Sweep Event-Related Potentials by Means of Fast Wavelet Transform. <i>Brain and Language</i> , 1999, 66, 129-145.	0.8	120
13	Theta rhythmicities following expected visual and auditory targets. <i>International Journal of Psychophysiology</i> , 1992, 13, 147-160.	0.5	116
14	Cognitive impairment in amyotrophic lateral sclerosis: evidence from neuropsychological investigation and event-related potentials. <i>Cognitive Brain Research</i> , 2002, 14, 234-244.	3.3	116
15	DRD4 and DAT1 Polymorphisms Modulate Human Gamma Band Responses. <i>Cerebral Cortex</i> , 2007, 17, 1007-1019.	1.6	105
16	Oscillatory Brain Dynamics, Wavelet Analysis, and Cognition. <i>Brain and Language</i> , 1999, 66, 146-183.	0.8	102
17	P3 and delta band responses in visual oddball paradigm in schizophrenia. <i>Neuroscience Letters</i> , 2008, 440, 304-308.	1.0	89
18	Event-related theta oscillations: an integrative and comparative approach in the human and animal brain. <i>International Journal of Psychophysiology</i> , 2001, 39, 167-195.	0.5	82

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19	Spontaneous EEG theta activity controls frontal visual evoked potential amplitudes. <i>Electroencephalography and Clinical Neurophysiology - Evoked Potentials</i> , 1998, 108, 101-109.	2.0	73
20	Topological distribution of oddball $\hat{P}300$ ™ responses. <i>International Journal of Psychophysiology</i> , 2001, 39, 213-220.	0.5	72
21	Simultaneous EEG/fMRI Analysis of the Resonance Phenomena in Steady-State Visual Evoked Responses. <i>Clinical EEG and Neuroscience</i> , 2011, 42, 98-106.	0.9	71
22	Electroencephalographic differences between WAG/Rij and GAERS rat models of absence epilepsy. <i>Epilepsy Research</i> , 2010, 89, 185-193.	0.8	66
23	The phase-locking of auditory gamma band responses in humans is sensitive to task processing. <i>NeuroReport</i> , 1997, 8, 3999-4004.	0.6	65
24	Electroencephalogram alpha (8-15 Hz) responses to visual stimuli in cat cortex, thalamus, and hippocampus: a distributed alpha network?. <i>Neuroscience Letters</i> , 2000, 292, 175-178.	1.0	65
25	Multiple time-frequency components account for the complex functional reactivity of P300. <i>NeuroReport</i> , 2000, 11, 1097-1103.	0.6	64
26	Alpha activity decreases during the perception of Necker cube reversals: an application of wavelet transform. <i>Biological Cybernetics</i> , 2000, 82, 313-320.	0.6	64
27	Time-frequency analysis of the event-related potentials associated with the Stroop test. <i>International Journal of Psychophysiology</i> , 2014, 94, 463-472.	0.5	55
28	Time and frequency analysis of the brain's distributed gamma-band system. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1995, 14, 400-410.	1.1	50
29	N2 and P3 components of event-related potential in first-episode schizophrenic patients: scalp topography, medication, and latency effects. <i>Psychiatry Research</i> , 2002, 111, 167-179.	1.7	48
30	Selectively distributed gamma band system of the brain. <i>International Journal of Psychophysiology</i> , 2001, 39, 129-135.	0.5	47
31	Event-related theta rhythms in cat hippocampus and prefrontal cortex during an omitted stimulus paradigm. <i>International Journal of Psychophysiology</i> , 1994, 18, 35-48.	0.5	43
32	Music effects on event-related potentials of humans on the basis of cultural environment. <i>Neuroscience Letters</i> , 1999, 268, 21-24.	1.0	39
33	Intra-Amygdaloid Injection of Kainic Acid in Rats with Genetic Absence Epilepsy: The Relationship of Typical Absence Epilepsy and Temporal Lobe Epilepsy. <i>Journal of Neuroscience</i> , 2008, 28, 7828-7836.	1.7	39
34	Analysis of the electroencephalographic activity during the Necker cube reversals by means of the wavelet transform. <i>Biological Cybernetics</i> , 1998, 79, 437-442.	0.6	38
35	Decomposition of Event-Related Brain Potentials into Multiple Functional Components Using Wavelet Transform. <i>Clinical EEG (electroencephalography)</i> , 2001, 32, 122-138.	0.9	38
36	What if you are not sure? Electroencephalographic correlates of subjective confidence level about a decision. <i>Clinical Neurophysiology</i> , 2012, 123, 1158-1167.	0.7	38

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37	Distributed Gamma Band Responses in the Brain Studied in Cortex, Reticular Formation, Hippocampus and Cerebellum. <i>International Journal of Neuroscience</i> , 1996, 84, 1-13.	0.8	36
38	The relationship between age-related development of spike-and-wave discharges and the resistance to amygdaloid kindling in rats with genetic absence epilepsy. <i>Neurobiology of Disease</i> , 2008, 32, 355-363.	2.1	27
39	Effects of task variables on the amplitude and phase-locking of auditory gamma band responses in human. <i>International Journal of Neuroscience</i> , 1997, 92, 241-258.	0.8	25
40	A model for P300 generation based on responses to near-threshold visual stimuli. <i>Cognitive Brain Research</i> , 1999, 8, 37-43.	3.3	22
41	Slow cortical potential shifts modulate the sensory threshold in human visual system. <i>Neuroscience Letters</i> , 1999, 270, 17-20.	1.0	20
42	Fast rhythms in the hippocampus are a part of the diffuse gamma-response system. <i>Hippocampus</i> , 1995, 5, 240-241.	0.9	19
43	Analysis of event-related potentials (ERP) by damped sinusoids. <i>Biological Cybernetics</i> , 1998, 78, 487-493.	0.6	19
44	Evaluation of the Functions of the Parvocellular and Magno cellular Pathways in Strabismic Amblyopia. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2002, 39, 215-221.	0.3	19
45	Changes in BOLD transients with visual stimuli across 1-44Hz. <i>Neuroscience Letters</i> , 2008, 436, 185-188.	1.0	16
46	The cerebral blood flow deficits in Parkinson's disease with mild cognitive impairment using arterial spin labeling MRI. <i>Journal of Neural Transmission</i> , 2020, 127, 1285-1294.	1.4	16
47	Evoked and induced EEG oscillations to visual targets reveal a differential pattern of change along the spectrum of cognitive decline in Alzheimer's Disease. <i>International Journal of Psychophysiology</i> , 2020, 155, 41-48.	0.5	15
48	The effects of subthreshold visual stimulation on P300 response. <i>NeuroReport</i> , 1997, 8, 3113-3117.	0.6	13
49	The effects of interstimulus interval on sensory gating and on preattentive auditory memory in the oddball paradigm. <i>Neuroscience Letters</i> , 2007, 412, 1-5.	1.0	13
50	Slow cortical potential shifts modulate P300 amplitude and topography in humans. <i>Neuroscience Letters</i> , 1998, 251, 61-64.	1.0	12
51	Intrinsic functional connectivity in social anxiety disorder with and without comorbid attention deficit hyperactivity disorder. <i>Brain Research</i> , 2019, 1722, 146364.	1.1	12
52	Movement-Related Cortical Potentials: Their Relationship to the Laterality, Complexity and Learning of a Movement. <i>International Journal of Neuroscience</i> , 1990, 51, 153-162.	0.8	11
53	P3 response during short-term memory retrieval revisited by a spatio-temporal analysis. <i>International Journal of Psychophysiology</i> , 2012, 84, 205-210.	0.5	11
54	Measurement of cognitive dynamics during video watching through event-related potentials (ERPs) and oscillations (EROs). <i>Cognitive Neurodynamics</i> , 2019, 13, 503-512.	2.3	11

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55	Functional connectivity disturbances of ascending reticular activating system and posterior thalamus in juvenile myoclonic epilepsy in relation with photosensitivity: A resting-state fMRI study. <i>Epilepsy Research</i> , 2021, 171, 106569.	0.8	11
56	Analysis of brain electrical topography by spatio-temporal wavelet decomposition. <i>Mathematical and Computer Modelling</i> , 2009, 49, 2224-2235.	2.0	10
57	Achromatic temporal-frequency responses of human lateral geniculate nucleus and primary visual cortex. <i>Vision Research</i> , 2016, 127, 177-185.	0.7	10
58	Default mode and dorsal attention network involvement in visually guided motor sequence learning. <i>Cortex</i> , 2022, 146, 89-105.	1.1	10
59	Evaluation of the functions of the parvocellular and magnocellular pathways in strabismic amblyopia. <i>Journal of Pediatric Ophthalmology and Strabismus</i> , 2002, 39, 215-21.	0.3	9
60	A Wavelet Transform Based Method to Determine Depth of Anesthesia to Prevent Awareness during General Anesthesia. <i>Computational and Mathematical Methods in Medicine</i> , 2014, 2014, 1-13.	0.7	7
61	Event-related potential changes due to early-onset Parkinson's disease in parkin (PARK2) gene mutation carriers and non-carriers. <i>Clinical Neurophysiology</i> , 2020, 131, 1444-1452.	0.7	7
62	Detection of visual and frontoparietal network perfusion deficits in Parkinson's disease dementia. <i>European Journal of Radiology</i> , 2021, 144, 109985.	1.2	7
63	Analysis of functional components of P300 by wavelet transform. , 0, , .		6
64	Functional connectivity analysis of patients with temporal lobe epilepsy displaying different ictal propagation patterns. <i>Epileptic Disorders</i> , 2020, 22, 623-632.	0.7	6
65	Functional neural substrates of football fanaticism: Different pattern of brain responses and connectivity in fanatics. <i>Psychiatry and Clinical Neurosciences</i> , 2020, 74, 480-487.	1.0	5
66	Functional Connectivity Analysis in Heterozygous Glucocerebrosidase Mutation Carriers. <i>Journal of Parkinson's Disease</i> , 2021, 11, 559-568.	1.5	5
67	Altered Resting State Functional Connectivity and Its Correlation with Cognitive Functions at Ultra High Risk for Psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2022, 321, 111444.	0.9	5
68	Dynamic Properties of the Responses to fast Omitted Stimulus Potential Paradigm in Human. <i>International Journal of Neuroscience</i> , 1996, 88, 159-174.	0.8	4
69	Epileptic source localization using wavelet prefiltering and MUSIC scanning. , 0, , .		4
70	Implementation of Low Resolution Electro-Magnetic Tomography with fMRI Statistical Maps on Realistic Head Models. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5239-42.	0.5	4
71	Modeling of evoked potentials as decaying sinusoidal oscillations by PRONY-method. , 1992, , .		3
72	Epileptic source localizations based on EEG and SDE measurements. , 2010, , .		3

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73	Theta and Delta Responses in Cognitive Event-Related Potential Paradigms and Their Possible Psychophysiological Correlates. , 1994, , 334-367.		3
74	Classification of P300 component in single trial event related potentials. , 0, , .		2
75	An RBF approach to single trial VEP estimation. , 0, , .		2
76	Source Localization of Subtopographic Brain Maps for Event Related Potentials (ERP). , 2006, 2006, 4832-4.		2
77	Neuroimaging of Event Related Brain Potentials (ERP) using fMRI and Dipole Source Reconstruction. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3384-7.	0.5	2
78	Interactions of Gamma and Theta Oscillations in the Electroencephalogram (EEG) during Memory Processes. , 0, , .		1
79	Topographic and temporal spectral analysis of EEG signals during anaesthesia. , 2010, , .		1
80	Cognitive Evaluation of Bupropion Sustained Release in Heavy Tobacco Smokers Using Event-Related Potentials. Medicina (Lithuania), 2012, 48, 34.	0.8	1
81	Erol BaÅŸar, 1938â€“2017. Clinical Neurophysiology, 2018, 129, 288-290.	0.7	1
82	Neuronavigated rTMS inhibition of right pars triangularis anterior in stuttering: Differential effects on reading and speaking. Brain and Language, 2020, 210, 104862.	0.8	1
83	B-Tensor: Brain Connectome Tensor Factorization for Alzheimer's Disease. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1591-1600.	3.9	1
84	Individual-based Estimation of Valence with EEG. , 2020, , .		1
85	Volumetric changes within hippocampal subfields in Alzheimerâ€™s disease continuum. Neurological Sciences, 2022, , 1.	0.9	1
86	Estimation of event related potentials (ERP) by extended autocorrelation method. , 1992, , .		0
87	Design of an MR-compatible fNIRS instrument. , 2005, , .		0
88	Spatial Frequency Components of to the Event Related Brain Potentials (ERP). , 0, , .		0
89	Bayesian EEG Dipole Source Localization using SA-RJMCMC on Realistic Head Model. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 4268-72.	0.5	0
90	Projection of the steady state visual evoked potentials on prefrontal cortex. , 2009, , .		0

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91	Steady state visual evoked potential informed fMRI analysis for alpha, beta and gamma bands. , 2010, , .		0
92	Investigaton of the neuronal efficacy and EEG source power under steady-state visual stimulation. , 2011, 2011, 6576-9.		0
93	Emotion recognition based on spatially smooth spectral features of the EEG. , 2013, , .		0
94	Group independent component analysis of alzheimer's disease and mild cognitive impairment patients. , 2015, , .		0
95	Task related modulation of group independent components of Alzheimer's disease and mild cognitive impairment patients. , 2015, , .		0
96	[P2â€“328]: DIFFERENTIAL RESTING STATE CONNECTIVITY AND ITS RELATIONSHIP WITH COGNITIVE PERFORMANCE AMONG PARTICIPANTS WITH SUBJECTIVE COGNITIVE IMPAIRMENT (SCI), MILD COGNITIVE IMPAIRMENT (MCI), AND EARLY STAGE ALZHEIMER'S DISEASE (AD). Alzheimer's and Dementia, 2017, 13, P744.	0.4	0
97	Determination of Diffusion Weighted Magnetic Resonance Imaging Based Biomarkers of Mild Cognitive Impairment in Parkinsonâ€™s Disease. , 2017, , .		0
98	Source Localization of Subtopographic Brain Maps for Event Related Potentials (ERP). Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0