

Hovagim Bakardjian

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

2,860
citations

331670

21
h-index

454955

30
g-index

48
all docs

48
docs citations

48
times ranked

4769
citing authors

#	ARTICLE	IF	CITATIONS
1	Preclinical Alzheimer's disease: Definition, natural history, and diagnostic criteria. <i>Alzheimer's and Dementia</i> , 2016, 12, 292-323.	0.8	1,318
2	Cognitive and neuroimaging features and brain β -amyloidosis in individuals at risk of Alzheimer's disease (INSIGHT-preAD): a longitudinal observational study. <i>Lancet Neurology</i> , The, 2018, 17, 335-346.	10.2	161
3	Optimization of SSVEP brain responses with application to eight-command Brain-Computer Interface. <i>Neuroscience Letters</i> , 2010, 469, 34-38.	2.1	157
4	Fully Online Multicommand Brain-Computer Interface with Visual Neurofeedback Using SSVEP Paradigm. <i>Computational Intelligence and Neuroscience</i> , 2007, 2007, 1-9.	1.7	150
5	EEG evidence of compensatory mechanisms in preclinical Alzheimer's disease. <i>Brain</i> , 2019, 142, 2096-2112.	7.6	131
6	Noninvasive BCIs: Multiway Signal-Processing Array Decompositions. <i>Computer</i> , 2008, 41, 34-42.	1.1	116
7	Perspective on future role of biological markers in clinical therapy trials of Alzheimer's disease: A long-range point of view beyond 2020. <i>Biochemical Pharmacology</i> , 2014, 88, 426-449.	4.4	105
8	Bimodal BCI Using Simultaneously NIRS and EEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2014, 61, 1274-1284.	4.2	91
9	EEG paroxysmal gamma waves during Bhramari Pranayama: A yoga breathing technique. <i>Consciousness and Cognition</i> , 2009, 18, 977-988.	1.5	82
10	Preclinical Alzheimer's disease: A systematic review of the cohorts underlying the concept. <i>Alzheimer's and Dementia</i> , 2017, 13, 454-467.	0.8	58
11	Biomarker-guided clustering of Alzheimer's disease clinical syndromes. <i>Neurobiology of Aging</i> , 2019, 83, 42-53.	3.1	48
12	Evaluation of amyloid status in a cohort of elderly individuals with memory complaints: validation of the method of quantification and determination of positivity thresholds. <i>Annals of Nuclear Medicine</i> , 2018, 32, 75-86.	2.2	45
13	DECODING OF STEADY-STATE VISUAL EVOKED POTENTIALS BY FRACTAL ANALYSIS OF THE ELECTROENCEPHALOGRAPHIC (EEG) SIGNAL. <i>Fractals</i> , 2018, 26, 1850092.	3.7	40
14	Emotional faces boost up steady-state visual responses for brain-computer interface. <i>NeuroReport</i> , 2011, 22, 121-125.	1.2	38
15	Evolving Evidence for the Value of Neuroimaging Methods and Biological Markers in Subjects Categorized with Subjective Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2015, 48, S171-S191.	2.6	34
16	A new nonlinear similarity measure for multichannel signals. <i>Neural Networks</i> , 2008, 21, 222-231.	5.9	33
17	Relationships between objective sleep parameters and brain amyloid load in subjects at risk for Alzheimer's disease: the INSIGHT-preAD Study. <i>Sleep</i> , 2019, 42, .	1.1	32
18	Resting-state posterior alpha rhythms are abnormal in subjective memory complaint seniors with preclinical Alzheimer's neuropathology and high education level: the INSIGHT-preAD study. <i>Neurobiology of Aging</i> , 2020, 90, 43-59.	3.1	30

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19	Estimate of Causality Between Independent Cortical Spatial Patterns During Movement Volition in Spinal Cord Injured Patients. Brain Topography, 2007, 19, 107-123.	1.8	29
20	Prediction of Alzheimer's Disease Dementia: Data from the GuidAge Prevention Trial. Journal of Alzheimer's Disease, 2015, 48, 793-804.	2.6	28
21	Sparse Component Analysis: a New Tool for Data Mining. Springer Optimization and Its Applications, 2007, , 91-116.	0.9	23
22	Predictors of cognitive decline and treatment response in a clinical trial on suspected prodromal Alzheimer's disease. Neuropharmacology, 2016, 108, 128-135.	4.1	23
23	Mechanical stress related to brain atrophy in Alzheimer's disease. , 2016, 12, 11-20.		20
24	No association of cortical amyloid load and EEG connectivity in older people with subjective memory complaints. NeuroImage: Clinical, 2018, 17, 435-443.	2.7	19
25	Which Episodic Memory Performance is Associated with Alzheimer's Disease Biomarkers in Elderly Cognitive Complainers? Evidence from a Longitudinal Observational Study with Four Episodic Memory Tests (Insight-PreAD). Journal of Alzheimer's Disease, 2019, 70, 811-824.	2.6	16
26	Fast Multi-command SSVEP Brain Machine Interface without Training. Lecture Notes in Computer Science, 2008, , 300-307.	1.3	7
27	A New Nonlinear Similarity Measure for Multichannel Biological Signals. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	6
28	Magnetoencephalographic study of speed-dependent responses in apparent motion. Clinical Neurophysiology, 2002, 113, 1586-1597.	1.5	4
29	Removal of ocular artifacts for high resolution EEG studies: a simulation study. , 2006, 2006, 976-9.		3
30	P3-245: FREE AND CUED SELECTIVE REMINDING TEST (FCSRT) PERFORMANCE IN THE PREDICTION OF ALZHEIMER'S DISEASE DEMENTIA: DATA FROM A LARGE PREVENTION TRIAL (GUIDAGE). , 2014, 10, P721-P721.		3
31	Optimization Techniques for Independent Component Analysis with Applications to EEG Data. Biocomputing, 2004, , 53-68.	0.2	3
32	Dynamic online target control of SSVEP-based brain-computer interface with multiple commands. Neuroscience Research, 2007, 58, S70.	1.9	2
33	Combining the extremities on the basis of separation: a new approach to EEG/ERP source localization. International Congress Series, 2005, 1278, 119-122.	0.2	1
34	P2-192: ADVANCED DIFFUSION WEIGHTING IMAGING (DWI) TRACTOGRAPHY OF THE LIMBIC SYSTEM: NOVEL BIOMARKERS OF NEURODEGENERATIVE CHANGES DURING PROGRESSION/CONVERSION FROM COGNITIVE NORMALITY TO AD DEMENTIA. , 2014, 10, P541-P542.		1
35	O4-02-01: The Insight Cohort: Baseline Analysis of Structural Mr Imaging in Asymptomatic Subjects at Risk for Alzheimer's Disease. , 2016, 12, P334-P334.		1
36	Source localization with EEG data for BP shows major activities in the frontal areas of the brain. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	IC-P-067: ADVANCED DIFFUSION WEIGHTING IMAGING (DWI) TRACTOGRAPHY OF THE LIMBIC SYSTEM: NOVEL BIOMARKERS OF NEURODEGENERATIVE CHANGES DURING PROGRESSION/CONVERSION FROM COGNITIVE NORMALITY TO AD DEMENTIA. , 2014, 10, P37-P37.		0
38	O3-13-04: FUNCTIONAL EEG BIOMARKER BATTERY FOR EARLY-STAGE PREDICTION OF ALZHEIMER'S DISEASE IN ASYMPTOMATIC, AT-RISK, AMYLOID-POSITIVE ELDERLY INDIVIDUALS. , 2014, 10, P235-P236.		0
39	P2â€151: Cerebrospinal Fluid Biomarker Profile of Amyloid, TAU, Synaptic, Microglial, and Lysosomal Pathophysiology in Cognitively Normal Preclinical Individuals Stratified by Amyloidâ€Pet Status. Alzheimer's and Dementia, 2016, 12, P672.	0.8	0
40	P3-165: Plasma Biomarker Profile of Amyloid, TAU, and Neuronal Pathophysiology in Cognitively Normal Preclinical Individuals Stratified by Amyloid-Pet Status. , 2016, 12, P882-P883.		0
41	P4â€111: Alzheimer's Disease Detection at the Preclinical Stage Using a Novel SNP Genotyping Array. Alzheimer's and Dementia, 2016, 12, P1054.	0.8	0
42	P1â€235: The Memory Binding Test (MBT) in Subjects with Subjective Memory Decline (SMD). Alzheimer's and Dementia, 2016, 12, P497.	0.8	0
43	Multimodal screening for neurodegeneration in preclinical Alzheimerâ€™s disease using EEG, APOE4 genotype, neuropsychological and MRI data. Alzheimer's and Dementia, 2020, 16, e044027.	0.8	0
44	Removal of ocular artifacts for high resolution EEG studies: a simulation study. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0