

# William J Bosl

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,695  
citations

567281

15  
h-index

552781

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Real-Time Medication Effects From Electroencephalography. <i>Journal of Clinical Neurophysiology</i> , 2024, 41, 72-82.	1.7	1
2	Coarse-graining and the Haar wavelet transform for multiscale analysis. <i>Bioelectronic Medicine</i> , 2022, 8, 3.	2.3	4
3	Prediction of Seizure Recurrence. A Note of Caution. <i>Frontiers in Neurology</i> , 2021, 12, 675728.	2.4	12
4	Measuring the effects of sleep on epileptogenicity with multifrequency entropy. <i>Clinical Neurophysiology</i> , 2021, 132, 2012-2018.	1.5	5
5	Prediction of autism spectrum disorder diagnosis using nonlinear measures of language-related EEG at 6 and 12 months. <i>Journal of Neurodevelopmental Disorders</i> , 2021, 13, 57.	3.1	16
6	Nonlinear Analysis of Visually Normal EEGs to Differentiate Benign Childhood Epilepsy with Centrotemporal Spikes (BECTS). <i>Scientific Reports</i> , 2020, 10, 8419.	3.3	14
7	A Scalable Automated Diagnostic Feature Extraction System for EEGs. , 2019, , .		0
8	Prevalence of dyslipidemia associated with complications in diabetic patients: a nationwide study in Thailand. <i>Lipids in Health and Disease</i> , 2019, 18, 90.	3.0	45
9	EEG Analytics for Early Detection of Autism Spectrum Disorder: A data-driven approach. <i>Scientific Reports</i> , 2018, 8, 6828.	3.3	223
10	The Emerging Role of Neurodiagnostic Informatics in Integrated Neurological and Mental Health Care. <i>Neurodiagnostic Journal</i> , the, 2018, 58, 143-153.	0.1	3
11	Nonlinear EEG biomarker profiles for autism and absence epilepsy. <i>Neuropsychiatric Electrophysiology</i> , 2017, 3, .	4.1	55
12	How Useful Is Electroencephalography in the Diagnosis of Autism Spectrum Disorders and the Delineation of Subtypes: A Systematic Review. <i>Frontiers in Psychiatry</i> , 2017, 8, 121.	2.6	45
13	EEG-Derived Neurophenotypes. <i>Innovations in Cognitive Neuroscience</i> , 2016, , 263-282.	0.3	0
14	Seizure detection, seizure prediction, and closed-loop warning systems in epilepsy. <i>Epilepsy and Behavior</i> , 2014, 37, 291-307.	1.7	377
15	Automated quantification of spikes. <i>Epilepsy and Behavior</i> , 2013, 26, 143-152.	1.7	29
16	Scalable Decision Support at the Point of Care: A Substitutable Electronic Health Record App for Monitoring Medication Adherence. <i>Interactive Journal of Medical Research</i> , 2013, 2, e13.	1.4	13
17	Response: Infant EEG activity as a biomarker for autism: A promising approach or a false promise?. <i>BMC Medicine</i> , 2011, 9, 60.	5.5	4
18	EEG complexity as a biomarker for autism spectrum disorder risk. <i>BMC Medicine</i> , 2011, 9, 18.	5.5	373

#	ARTICLE	IF	CITATIONS
19	The role of noise and positive feedback in the onset of autosomal dominant diseases. BMC Systems Biology, 2010, 4, 93.	3.0	10
20	Rule-Based Cell Systems Model of Aging using Feedback Loop Motifs Mediated by Stress Responses. PLoS Computational Biology, 2010, 6, e1000820.	3.2	45
21	Multiscale data reduction with flexible saliency criterion for biological image analysis. , 2009, 2009, 3703-6.		0
22	Systems biology by the rules: hybrid intelligent systems for pathway modeling and discovery. BMC Systems Biology, 2007, 1, 13.	3.0	59
23	Permeability-porosity transforms from small sandstone fragments. Geophysics, 2006, 71, N11-N19.	2.6	47
24	Mitotic-Exit Control as an Evolved Complex System. Cell, 2005, 121, 325-333.	28.9	47
25	Aftershocks and pore fluid diffusion following the 1992 Landers earthquake. Journal of Geophysical Research, 2002, 107, ESE 17-1-ESE 17-12.	3.3	109
26	Modeling complex crustal processes. Geophysical Monograph Series, 2000, , 245-265.	0.1	1
27	Crustal fluids and earthquakes. Geophysical Monograph Series, 2000, , 267-284.	0.1	8
28	A Numerical Simulation of Groundwater Flow and Contaminant Transport on the CRAY T3D and C90 Supercomputers. International Journal of High Performance Computing Applications, 1999, 13, 80-93.	3.7	24
29	Analysis of subsurface contaminant migration and remediation using high performance computing. Advances in Water Resources, 1998, 22, 203-221.	3.8	37
30	A study of porosity and permeability using a lattice Boltzmann simulation. Geophysical Research Letters, 1998, 25, 1475-1478.	4.0	89
31	Lattice-Boltzmann simulation of permeability in granular rocks. , 1997, , .		0