

# 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	Seizure detection, seizure prediction, and closed-loop warning systems in epilepsy. <i>Epilepsy and Behavior</i> , 2014, 37, 291-307.	1.7	377
2	EEG complexity as a biomarker for autism spectrum disorder risk. <i>BMC Medicine</i> , 2011, 9, 18.	5.5	373
3	EEG Analytics for Early Detection of Autism Spectrum Disorder: A data-driven approach. <i>Scientific Reports</i> , 2018, 8, 6828.	3.3	223
4	Aftershocks and pore fluid diffusion following the 1992 Landers earthquake. <i>Journal of Geophysical Research</i> , 2002, 107, ESE 17-1-ESE 17-12.	3.3	109
5	A study of porosity and permeability using a lattice Boltzmann simulation. <i>Geophysical Research Letters</i> , 1998, 25, 1475-1478.	4.0	89
6	Systems biology by the rules: hybrid intelligent systems for pathway modeling and discovery. <i>BMC Systems Biology</i> , 2007, 1, 13.	3.0	59
7	Nonlinear EEG biomarker profiles for autism and absence epilepsy. <i>Neuropsychiatric Electrophysiology</i> , 2017, 3, .	4.1	55
8	Mitotic-Exit Control as an Evolved Complex System. <i>Cell</i> , 2005, 121, 325-333.	28.9	47
9	Permeability-porosity transforms from small sandstone fragments. <i>Geophysics</i> , 2006, 71, N11-N19.	2.6	47
10	Rule-Based Cell Systems Model of Aging using Feedback Loop Motifs Mediated by Stress Responses. <i>PLoS Computational Biology</i> , 2010, 6, e1000820.	3.2	45
11	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
12	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
13	Analysis of subsurface contaminant migration and remediation using high performance computing. <i>Advances in Water Resources</i> , 1998, 22, 203-221.	3.8	37
14	Automated quantification of spikes. <i>Epilepsy and Behavior</i> , 2013, 26, 143-152.	1.7	29
15	A Numerical Simulation of Groundwater Flow and Contaminant Transport on the CRAY T3D and C90 Supercomputers. <i>International Journal of High Performance Computing Applications</i> , 1999, 13, 80-93.	3.7	24
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Prediction of Seizure Recurrence. A Note of Caution. <i>Frontiers in Neurology</i> , 2021, 12, 675728.	2.4	12
20	The role of noise and positive feedback in the onset of autosomal dominant diseases. <i>BMC Systems Biology</i> , 2010, 4, 93.	3.0	10
21	Crustal fluids and earthquakes. <i>Geophysical Monograph Series</i> , 2000, , 267-284.	0.1	8
22	Measuring the effects of sleep on epileptogenicity with multifrequency entropy. <i>Clinical Neurophysiology</i> , 2021, 132, 2012-2018.	1.5	5
23	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
24	Coarse-graining and the Haar wavelet transform for multiscale analysis. <i>Bioelectronic Medicine</i> , 2022, 8, 3.	2.3	4
25	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
26	Modeling complex crustal processes. <i>Geophysical Monograph Series</i> , 2000, , 245-265.	0.1	1
27	Measuring Real-Time Medication Effects From Electroencephalography. <i>Journal of Clinical Neurophysiology</i> , 2024, 41, 72-82.	1.7	1
28	Lattice-Boltzmann simulation of permeability in granular rocks. , 1997, , .		0
29	Multiscale data reduction with flexible saliency criterion for biological image analysis. , 2009, 2009, 3703-6.		0
30	A Scalable Automated Diagnostic Feature Extraction System for EEGs. , 2019, , .		0
31	EEG-Derived Neurophenotypes. <i>Innovations in Cognitive Neuroscience</i> , 2016, , 263-282.	0.3	0