

# Stefanie Blain-Moraes

## List of Publications by Year in descending order

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Version: 2024-02-01

54  
papers

1,324  
citations

430874

18  
h-index

377865

34  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional and Topological Conditions for Explosive Synchronization Develop in Human Brain Networks with the Onset of Anesthetic-Induced Unconsciousness. <i>Frontiers in Computational Neuroscience</i> , 2016, 10, 1.	2.1	125
2	General Relationship of Global Topology, Local Dynamics, and Directionality in Large-Scale Brain Networks. <i>PLoS Computational Biology</i> , 2015, 11, e1004225.	3.2	121
3	Electroencephalographic effects of ketamine on power, cross-frequency coupling, and connectivity in the alpha bandwidth. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 114.	2.5	105
4	A Review of Emerging Access Technologies for Individuals With Severe Motor Impairments. <i>Assistive Technology</i> , 2008, 20, 204-221.	2.0	101
5	Barriers to and mediators of brain-computer interface user acceptance: focus group findings. <i>Ergonomics</i> , 2012, 55, 516-525.	2.1	88
6	Neurophysiological Correlates of Sevoflurane-induced Unconsciousness. <i>Anesthesiology</i> , 2015, 122, 307-316.	2.5	75
7	Relationship of critical dynamics, functional connectivity, and states of consciousness in large-scale human brain networks. <i>NeuroImage</i> , 2019, 188, 228-238.	4.2	73
8	Network Efficiency and Posterior Alpha Patterns Are Markers of Recovery from General Anesthesia: A High-Density Electroencephalography Study in Healthy Volunteers. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 328.	2.0	58
9	Recovery of consciousness and cognition after general anesthesia in humans. <i>ELife</i> , 2021, 10, .	6.0	47
10	Assessing the potential of electrodermal activity as an alternative access pathway. <i>Medical Engineering and Physics</i> , 2008, 30, 498-505.	1.7	41
11	Performance assessment in brain-computer interface-based augmentative and alternative communication. <i>BioMedical Engineering OnLine</i> , 2013, 12, 43.	2.7	40
12	Brain-computer interfaces and personhood: interdisciplinary deliberations on neural technology. <i>Journal of Neural Engineering</i> , 2019, 16, 063001.	3.5	31
13	Protocol for the Reconstructing Consciousness and Cognition (ReCCognition) Study. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 284.	2.0	29
14	Assessing levels of consciousness with symbolic analysis. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140117.	3.4	26
15	Do Publics Share Experts' Concerns about Brain-Computer Interfaces? A Trinational Survey on the Ethics of Neural Technology. <i>Science Technology and Human Values</i> , 2020, 45, 1242-1270.	3.1	26
16	Challenges of developing communicative interaction in individuals with congenital profound intellectual and multiple disabilities. <i>Journal of Intellectual and Developmental Disability</i> , 2012, 37, 348-359.	1.6	25
17	Wearable Technology for Detecting Significant Moments in Individuals with Dementia. <i>BioMed Research International</i> , 2019, 2019, 1-13.	1.9	24
18	Bedside computer access for an individual with severe and multiple disabilities: A case study. <i>Disability and Rehabilitation: Assistive Technology</i> , 2010, 5, 359-369.	2.2	23

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19	Long-range temporal correlations in the brain distinguish conscious wakefulness from induced unconsciousness. <i>NeuroImage</i> , 2018, 179, 30-39.	4.2	21
20	Participatory Design of Affective Technology: Interfacing Biomusic and Autism. <i>IEEE Transactions on Affective Computing</i> , 2022, 13, 250-261.	8.3	21
21	Biomusic: A Novel Technology for Revealing the Personhood of People with Profound Multiple Disabilities. <i>AAC: Augmentative and Alternative Communication</i> , 2013, 29, 159-173.	1.4	19
22	Altered cortical communication in amyotrophic lateral sclerosis. <i>Neuroscience Letters</i> , 2013, 543, 172-176.	2.1	18
23	Normal Brain Response to Propofol in Advance of Recovery from Unresponsive Wakefulness Syndrome. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 248.	2.0	17
24	Determining the effects of therapeutic clowning on nurses in a children's rehabilitation hospital. <i>Arts and Health</i> , 2012, 4, 26-38.	1.6	16
25	Differential classification of states of consciousness using envelope- and phase-based functional connectivity. <i>NeuroImage</i> , 2021, 237, 118171.	4.2	14
26	Revealing Personhood Through Biomusic of Individuals Without Communicative Interaction Ability. <i>AAC: Augmentative and Alternative Communication</i> , 2011, 27, 1-4.	1.4	12
27	Consciousness and Personhood in Medical Care. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 306.	2.0	10
28	Brain network motifs are markers of loss and recovery of consciousness. <i>Scientific Reports</i> , 2021, 11, 3892.	3.3	10
29	Brain Responses to Propofol in Advance of Recovery from Coma and Disorders of Consciousness: A Preliminary Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 171-182.	5.6	10
30	Assessing the Effects of Nature on Physiological States Using Wearable Technologies. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1231.	2.6	10
31	The posterior dominant rhythm: an electroencephalographic biomarker for cognitive recovery after general anaesthesia. <i>British Journal of Anaesthesia</i> , 2023, 130, e233-e242.	3.4	9
32	Assessing the Quality of Wearable EEG Systems Using Functional Connectivity. <i>IEEE Access</i> , 2020, 8, 193214-193225.	4.2	8
33	The impact of Snoezelen in pediatric complex continuing care: A pilot study. <i>Journal of Pediatric Rehabilitation Medicine</i> , 2018, 11, 31-41.	0.5	7
34	“When I hear my language, I travel back in time and I feel at home” Intersections of culture with social inclusion and exclusion of persons with dementia and their caregivers. <i>Transcultural Psychiatry</i> , 2021, 58, 828-843.	1.6	7
35	“We are still doing some magic” Exploring the effectiveness of online therapeutic clowning. <i>Arts and Health</i> , 2023, 15, 169-184.	1.6	7
36	Participatory design of biomusic with users on the autism spectrum. , 2019, , .		6

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37	Working Together: Ethnographic Observations on Participatory Design Involving Adults with Autism. <i>Human Organization</i> , 2020, 79, 1-12.	0.3	6
38	An Integrated Approach to Detecting Communicative Intent Amid Hyperkinetic Movements in Children. <i>AAC: Augmentative and Alternative Communication</i> , 2011, 27, 150-162.	1.4	5
39	Development of a point of care system for automated coma prognosis: a prospective cohort study protocol. <i>BMJ Open</i> , 2019, 9, e029621.	1.9	4
40	Brain network motif topography may predict emergence from disorders of consciousness: a case series. <i>Neuroscience of Consciousness</i> , 2020, 2020, niaa017.	2.6	4
41	On the use of peripheral autonomic signals for binary control of body-machine interfaces. <i>Physiological Measurement</i> , 2010, 31, 1411-1422.	2.1	3
42	“You’re Part of Us and We’re Happy to Have You Here” Practices of Social Inclusion for Persons with Dementia. <i>Clinical Gerontologist</i> , 2021, 44, 1-12.	2.2	3
43	Interpersonal Physiological Synchrony for Detecting Moments of Connection in Persons With Dementia: A Pilot Study. <i>Frontiers in Psychology</i> , 2021, 12, 749710.	2.1	3
44	Towards a physiological signal-based access solution for a non-verbal adolescent with severe and multiple disabilities. <i>Developmental Neurorehabilitation</i> , 2014, 17, 270-277.	1.1	2
45	Interfacing biomusic & autism: Integrating ethical considerations into affective technology design. , 2017, , .		2
46	Enacting agency: movement, dementia, and interaction. <i>Arts and Health</i> , 2022, 14, 133-148.	1.6	2
47	Distinct and Dissociable EEG Networks Are Associated With Recovery of Cognitive Function Following Anesthesia-Induced Unconsciousness. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 706693.	2.0	2
48	Protocol for the Prognostication of Consciousness Recovery Following a Brain Injury. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 582125.	2.0	1
49	The W-model: a pre-college design pedagogy for solving wicked problems. <i>International Journal of Technology and Design Education</i> , 2021, 31, 139-164.	2.6	1
50	Mouvement de passage: Creating connections through movement among persons with dementia. <i>Dementia</i> , 2021, 20, 2573-2596.	2.0	1
51	Eliciting and Recording Event Related Potentials (ERPs) in Behaviourally Unresponsive Populations: A Retrospective Commentary on Critical Factors. <i>Brain Sciences</i> , 2021, 11, 835.	2.3	1
52	Automatic detection of passing and shooting in water polo using machine learning: a feasibility study. <i>Sports Biomechanics</i> , 2022, , 1-15.	1.6	1
53	Time-resolved functional connectivity from high-density EEG for characterizing the level of consciousness in behaviorally unresponsive patients. , 2020, , .		0
54	A N400 event-related potential elicitation paradigm for Canadian French speakers*. <i>Mental Lexicon</i> , 0, , .	0.5	0