

Eduardo R Miranda

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

497
citations

759233

12
h-index

713466

21
g-index

42
all docs

42
docs citations

42
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural correlates of emotional responses to music: An EEG study. <i>Neuroscience Letters</i> , 2014, 573, 52-57.	2.1	97
2	Interfacing the Brain Directly with Musical Systems: On Developing Systems for Making Music with Brain Signals. <i>Leonardo</i> , 2005, 38, 331-336.	0.3	54
3	Music-induced emotions can be predicted from a combination of brain activity and acoustic features. <i>Brain and Cognition</i> , 2015, 101, 1-11.	1.8	42
4	Electroencephalography reflects the activity of sub-cortical brain regions during approach-withdrawal behaviour while listening to music. <i>Scientific Reports</i> , 2019, 9, 9415.	3.3	36
5	At the Crossroads of Evolutionary Computation and Music: Self-Programming Synthesizers, Swarm Orchestras and the Origins of Melody. <i>Evolutionary Computation</i> , 2004, 12, 137-158.	3.0	29
6	Investigating affect in algorithmic composition systems. <i>Psychology of Music</i> , 2015, 43, 831-854.	1.6	28
7	Sounds synthesis with slime mould of <i>Physarum Polycephalum</i> . <i>Journal of Bionic Engineering</i> , 2011, 8, 107-113.	5.0	22
8	Personalised, Multi-Modal, Affective State Detection for Hybrid Brain-Computer Music Interfacing. <i>IEEE Transactions on Affective Computing</i> , 2020, 11, 111-124.	8.3	18
9	Directed Motor-Auditory EEG Connectivity Is Modulated by Music Tempo. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 502.	2.0	17
10	<i>The Space Between Us</i>: Evaluating a multi-user affective brain-computer music interface. <i>Brain-Computer Interfaces</i> , 2015, 2, 103-116.	1.8	16
11	Neural and physiological data from participants listening to affective music. <i>Scientific Data</i> , 2020, 7, 177.	5.3	14
12	You Only Hear Once: A YOLO-like Algorithm for Audio Segmentation and Sound Event Detection. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3293.	2.5	14
13	Artificial Evolution of Expressive Performance of Music: An Imitative Multi-Agent Systems Approach. <i>Computer Music Journal</i> , 2010, 34, 80-96.	0.1	13
14	Using agent-based models to understand the role of individuals in the song evolution of humpback whales (<i>Megaptera novaeangliae</i>). <i>Music & Science</i> , 2018, 1, 205920431875702.	1.0	13
15	On Building Practical Biocomputers for Real-world Applications: Receptacles for Culturing Slime Mould Memristors and Component Standardisation. <i>Journal of Bionic Engineering</i> , 2017, 14, 151-162.	5.0	12
16	Emergent songs by social robots. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 2008, 20, 319-334.	2.8	7
17	Towards Brain-Computer Music Interfaces: Progress and challenges. , 2008, , .		7
18	Investigating music tempo as a feedback mechanism for closed-loop BCI control. <i>Brain-Computer Interfaces</i> , 2014, 1, 158-169.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Investigating the Effects of Training Set Synthesis for Audio Segmentation of Radio Broadcast. Electronics (Switzerland), 2021, 10, 827.	3.1	6
20	Artificially Synthesising Data for Audio Classification and Segmentation to Improve Speech and Music Detection in Radio Broadcast. , 2021, , .		6
21	Computational Musicology: An Artificial Life Approach. , 2005, , .		5
22	Towards human-computer music interaction: Evaluation of an affectively-driven music generator via galvanic skin response measures. , 2015, , .		5
23	Organised Sound, Mental Imageries and the Future of Music Technology: a neuroscience outlook. Organised Sound, 2010, 15, 13.	0.2	4
24	Towards an Evolution Model of Expressive Music Performance. , 2006, , .		3
25	Understanding biomechanical constraints for modelling expressive performance: A guitar case study. Journal of New Music Research, 2019, 48, 331-351.	0.8	3
26	Creative Quantum Computing: Inverse FFT Sound Synthesis, Adaptive Sequencing and Musical Composition. , 2021, , 493-523.		3
27	Order dependent feature selection in Concatenative Sound Synthesis using Analytical Hierarchy Process. , 2011, , .		2
28	Real-Time Hallucination Simulation and Sonification through User-Led Development of an iPad Augmented Reality Performance. Leonardo, 2015, 48, 235-242.	0.3	2
29	Artificial Intelligence in Organised Sound. Organised Sound, 2015, 20, 76-81.	0.2	2
30	A Method for Growing Bio-memristors from Slime Mold. Journal of Visualized Experiments, 2017, , .	0.3	2
31	Parametric Factors Affecting Concatenative Sound Synthesis. Advanced Science Letters, 2017, 23, 5496-5500.	0.2	2
32	Quantum Brain Networks: A Perspective. Electronics (Switzerland), 2022, 11, 1528.	3.1	2
33	Contextualizing eighteenth century Enlightenment through the lenses of contemporary science. Physics of Life Reviews, 2010, 7, 35-36.	2.8	1
34	Automated identification of neural correlates of continuous variables. Journal of Neuroscience Methods, 2015, 242, 65-71.	2.5	1
35	Algorithmic sound composition using coupled cellular automata. , 2011, , .		0
36	Special issue on evolutionary music. Soft Computing, 2012, 16, 1995-1996.	3.6	0

#	ARTICLE	IF	CITATIONS
37	Using concatenation cost for unit selection of homosonic segments in concatenative sound synthesis. , 2016, , .		0
38	Genetic Music System with Synthetic Biology. <i>Artificial Life</i> , 2020, 26, 366-390.	1.3	0
39	SSVEP-based brain-computer interface for music using a low-density EEG system. <i>Assistive Technology</i> , 2023, 35, 378-388.	2.0	0