Benedetta Franceschiello

List of Publications by Year
in descending order

17 papers	597 citations	1163117 8 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	453 citing authors

#	Article	IF	Citations
1	The physics of higher-order interactions in complex systems. Nature Physics, 2021, 17, 1093-1098.	16.7	287
2	Electroencephalography. Current Biology, 2019, 29, R80-R85.	3.9	169
3	Sub-Riemannian Mean Curvature Flow for Image Processing. SIAM Journal on Imaging Sciences, 2016, 9, 212-237.	2.2	23
4	Geometrical optical illusion via sub-Riemannian geodesics in the roto-translation group. Differential Geometry and Its Applications, 2019, 65, 55-77.	0.5	20
5	Computational Models in Electroencephalography. Brain Topography, 2022, 35, 142-161.	1.8	19
6	A Neuromathematical Model for Geometrical Optical Illusions. Journal of Mathematical Imaging and Vision, 2018, 60, 94-108.	1.3	17
7	Visual illusions via neural dynamics: Wilson–Cowan-type models and the efficient representation principle. Journal of Neurophysiology, 2020, 123, 1606-1618.	1.8	16
8	3-Dimensional magnetic resonance imaging of the freely moving human eye. Progress in Neurobiology, 2020, 194, 101885.	5.7	9
9	A Cortical-Inspired Model for Orientation-Dependent Contrast Perception: A Link with Wilson-Cowan Equations. Lecture Notes in Computer Science, 2019, , 472-484.	1.3	8
10	Cortical-Inspired Wilson–Cowan-Type Equations for Orientation-Dependent Contrast Perception Modelling. Journal of Mathematical Imaging and Vision, 2021, 63, 263-281.	1.3	8
11	Machine learning algorithms on eye tracking trajectories to classify patients with spatial neglect. Computer Methods and Programs in Biomedicine, 2022, 221, 106929.	4.7	7
12	A computational model for grid maps in neural populations. Journal of Computational Neuroscience, 2020, 48, 149-159.	1.0	5
13	Modelling of the Poggendorff Illusion via Sub-Riemannian Geodesics in the Roto-Translation Group. Lecture Notes in Computer Science, 2017, , 37-47.	1.3	5
14	Mathematical Models of Visual Perception for the Analysis of Geometrical Optical Illusions. Springer INdAM Series, 2017, , 135-149.	0.5	1
15	Topological Features of Electroencephalography are Robust to Re-referencing and Preprocessing. Brain Topography, 2022, 35, 79-95.	1.8	1
16	A Neuro-Mathematical Model for Size and Context Related Illusions. Lecture Notes in Morphogenesis, 2021, , 91-113.	0.2	0
17	A Roadmap for Computational Modelling of M/EEG. Brain Topography, 2022, 35, 1-3.	1.8	0