

# Ludovico Minati

## List of Publications by Citations

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145  
papers

4,519  
citations

39  
h-index

61  
g-index

157  
ext. papers

5,436  
ext. citations

4.1  
avg, IF

5.75  
L-index

#	Paper	IF	Citations
145	Resting-state brain networks: literature review and clinical applications. <i>Neurological Sciences</i> , <b>2011</b> , 32, 773-85	3.5	343
144	Fear from the heart: sensitivity to fear stimuli depends on individual heartbeats. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 6573-82	6.6	205
143	Current concepts in Alzheimer's disease: a multidisciplinary review. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , <b>2009</b> , 24, 95-121	2.5	193
142	White matter involvement in idiopathic Parkinson disease: a diffusion tensor imaging study. <i>American Journal of Neuroradiology</i> , <b>2009</b> , 30, 1222-6	4.4	184
141	Conversion of the BASE prion strain into the BSE strain: the origin of BSE?. <i>PLoS Pathogens</i> , <b>2007</b> , 3, e31	7.6	129
140	Emotional appraisal is influenced by cardiac afferent information. <i>Emotion</i> , <b>2012</b> , 12, 180-91	4.1	111
139	What the heart forgets: Cardiac timing influences memory for words and is modulated by metacognition and interoceptive sensitivity. <i>Psychophysiology</i> , <b>2013</b> , 50, 505-12	4.1	98
138	Intra- and extra-cranial effects of transient blood pressure changes on brain near-infrared spectroscopy (NIRS) measurements. <i>Journal of Neuroscience Methods</i> , <b>2011</b> , 197, 283-8	3	96
137	MR spectroscopy, functional MRI, and diffusion-tensor imaging in the aging brain: a conceptual review. <i>Journal of Geriatric Psychiatry and Neurology</i> , <b>2007</b> , 20, 3-21	3.8	90
136	Functional connectivity during resting-state functional MR imaging: study of the correspondence between independent component analysis and region-of-interest-based methods. <i>American Journal of Neuroradiology</i> , <b>2012</b> , 33, 180-7	4.4	85
135	Autism attenuates sex differences in brain structure: a combined voxel-based morphometry and diffusion tensor imaging study. <i>American Journal of Neuroradiology</i> , <b>2012</b> , 33, 83-9	4.4	81
134	Can MR imaging diagnose adult-onset Alexander disease?. <i>American Journal of Neuroradiology</i> , <b>2008</b> , 29, 1190-6	4.4	80
133	Spontaneous intracranial hypotension with deep brain swelling. <i>Brain</i> , <b>2007</b> , 130, 1884-93	11.2	79
132	Preoperative mapping of the sensorimotor cortex: comparative assessment of task-based and resting-state fMRI. <i>PLoS ONE</i> , <b>2014</b> , 9, e98860	3.7	62
131	Emotional regulation and bodily sensation: interoceptive awareness is intact in borderline personality disorder. <i>Journal of Personality Disorders</i> , <b>2013</b> , 27, 506-18	2.6	62
130	In vivo quantitative magnetization transfer imaging correlates with histology during de- and remyelination in cuprizone-treated mice. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 327-37	4.4	61
129	Bitcoin market route to maturity? Evidence from return fluctuations, temporal correlations and multiscaling effects. <i>Chaos</i> , <b>2018</b> , 28, 071101	3.3	60

128	Physical foundations, models, and methods of diffusion magnetic resonance imaging of the brain: A review. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , <b>2007</b> , 30A, 278-307	0.6	59
127	Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. <i>NeuroImage</i> , <b>2016</b> , 124, 442-454	7.9	58
126	Sex differences and autism: brain function during verbal fluency and mental rotation. <i>PLoS ONE</i> , <b>2012</b> , 7, e38355	3.7	52
125	Preoperative language lateralization in temporal lobe epilepsy (TLE) predicts peri-ictal, pre- and post-operative language performance: An fMRI study. <i>NeuroImage: Clinical</i> , <b>2013</b> , 3, 73-83	5.3	51
124	Free water elimination improves test-retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 12-26	5.9	51
123	Diffusion tensor imaging of spinocerebellar ataxias types 1 and 2. <i>American Journal of Neuroradiology</i> , <b>2007</b> , 28, 1996-2000	4.4	51
122	Responding to unfair offers made by a friend: neuroelectrical activity changes in the anterior medial prefrontal cortex. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 15569-74	6.6	48
121	Brain structure and joint hypermobility: relevance to the expression of psychiatric symptoms. <i>British Journal of Psychiatry</i> , <b>2012</b> , 200, 508-9	5.4	48
120	Experimental models of brain ischemia: a review of techniques, magnetic resonance imaging, and investigational cell-based therapies. <i>Frontiers in Neurology</i> , <b>2014</b> , 5, 19	4.1	47
119	Physiological recordings: basic concepts and implementation during functional magnetic resonance imaging. <i>NeuroImage</i> , <b>2009</b> , 47, 1105-15	7.9	46
118	Baroreceptor activation attenuates attentional effects on pain-evoked potentials. <i>Pain</i> , <b>2010</b> , 151, 853-861	8.1	46
117	Slow breathing and hypoxic challenge: cardiorespiratory consequences and their central neural substrates. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127082	3.7	46
116	Substantia nigra in Parkinson's disease: a multimodal MRI comparison between early and advanced stages of the disease. <i>Neurological Sciences</i> , <b>2014</b> , 35, 753-8	3.5	45
115	Quantitation of normal metabolite concentrations in six brain regions by in-vivoH-MR spectroscopy. <i>Journal of Medical Physics</i> , <b>2010</b> , 35, 154-63	0.7	43
114	Diagnostic differentiation of mild cognitive impairment due to Alzheimer's disease using a hippocampus-dependent test of spatial memory. <i>Hippocampus</i> , <b>2015</b> , 25, 939-51	3.5	42
113	Supratentorial and pontine MRI abnormalities characterize recessive spastic ataxia of Charlevoix-Saguenay. A comprehensive study of an Italian series. <i>European Journal of Neurology</i> , <b>2013</b> , 20, 138-46	6	41
112	Multimodal study of default-mode network integrity in disorders of consciousness. <i>Annals of Neurology</i> , <b>2016</b> , 79, 841-853	9.4	41
111	Functional MRI/event-related potential study of sensory consonance and dissonance in musicians and nonmusicians. <i>NeuroReport</i> , <b>2009</b> , 20, 87-92	1.7	40

110	Early involvement of dorsal and ventral pathways in visual word recognition: an ERP study. <i>Brain Research</i> , <b>2009</b> , 1272, 32-44	3.7	40
109	Predictive value of the El-Ganzouri multivariate risk index for difficult tracheal intubation: a comparison of Glidescope videolaryngoscopy and conventional Macintosh laryngoscopy. <i>British Journal of Anaesthesia</i> , <b>2007</b> , 99, 906-11	5.4	40
108	Versatile Locomotion Control of a Hexapod Robot Using a Hierarchical Network of Nonlinear Oscillator Circuits. <i>IEEE Access</i> , <b>2018</b> , 6, 8042-8065	3.5	39
107	Hybrid Control of a Vision-Guided Robot Arm by EOG, EMG, EEG Biosignals and Head Movement Acquired via a Consumer-Grade Wearable Device. <i>IEEE Access</i> , <b>2016</b> , 4, 9528-9541	3.5	39
106	Signatures of the Crypto-Currency Market Decoupling from the Forex. <i>Future Internet</i> , <b>2019</b> , 11, 154	3.3	38
105	Decision-making under risk: a graph-based network analysis using functional MRI. <i>NeuroImage</i> , <b>2012</b> , 60, 2191-205	7.9	35
104	Combined 7-T MRI and histopathologic study of normal and dysplastic samples from patients with TLE. <i>Neurology</i> , <b>2011</b> , 76, 1177-85	6.5	35
103	Sedation of neurologically impaired children undergoing MRI: a sequential approach. <i>Paediatric Anaesthesia</i> , <b>2007</b> , 17, 630-6	1.8	35
102	Multiscale characteristics of the emerging global cryptocurrency market. <i>Physics Reports</i> , <b>2021</b> , 901, 1-82	7.7	35
101	Anger in brain and body: the neural and physiological perturbation of decision-making by emotion. <i>Social Cognitive and Affective Neuroscience</i> , <b>2016</b> , 11, 150-8	4	34
100	Je pense donc je fais: transcranial direct current stimulation modulates brain oscillations associated with motor imagery and movement observation. <i>Frontiers in Human Neuroscience</i> , <b>2013</b> , 7, 256	3.3	33
99	fMRI/ERP of musical syntax: comparison of melodies and unstructured note sequences. <i>NeuroReport</i> , <b>2008</b> , 19, 1381-5	1.7	32
98	Under pressure: response urgency modulates striatal and insula activity during decision-making under risk. <i>PLoS ONE</i> , <b>2011</b> , 6, e20942	3.7	31
97	Hysteresis, neural avalanches, and critical behavior near a first-order transition of a spiking neural network. <i>Physical Review E</i> , <b>2018</b> , 97, 062305	2.4	29
96	Direct skin-to-skin versus indirect touch modulates neural responses to stroking versus tapping. <i>NeuroReport</i> , <b>2011</b> , 22, 646-51	1.7	29
95	Effects of transcranial direct-current stimulation (tDCS) of the dorsolateral prefrontal cortex (DLPFC) during a mixed-gambling risky decision-making task. <i>Cognitive Neuroscience</i> , <b>2012</b> , 3, 80-8	1.7	29
94	Assessment of patients with disorder of consciousness: do different Coma Recovery Scale scoring correlate with different settings?. <i>Journal of Neurology</i> , <b>2014</b> , 261, 2378-86	5.5	28
93	Competition of noise and collectivity in global cryptocurrency trading: Route to a self-contained market. <i>Chaos</i> , <b>2020</b> , 30, 023122	3.3	27

92	Test-retest reliability of the default mode network in a multi-centric fMRI study of healthy elderly: Effects of data-driven physiological noise correction techniques. <i>Human Brain Mapping</i> , <b>2016</b> , 37, 2114-329	5.9	27
91	Abnormalities in fronto-striatal connectivity within language networks relate to differences in grey-matter heterogeneity in Asperger syndrome. <i>NeuroImage: Clinical</i> , <b>2013</b> , 2, 716-26	5.3	27
90	Biexponential and diffusional kurtosis imaging, and generalised diffusion-tensor imaging (GDTI) with rank-4 tensors: a study in a group of healthy subjects. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2007</b> , 20, 241-53	2.8	27
89	Atypical transistor-based chaotic oscillators: Design, realization, and diversity. <i>Chaos</i> , <b>2017</b> , 27, 073113	3.3	26
88	The neural basis of illusory gustatory sensations: two rare cases of lexical-gustatory synaesthesia. <i>Journal of Neuropsychology</i> , <b>2011</b> , 5, 243-54	2.6	26
87	Emotional modulation of visual cortex activity: a functional near-infrared spectroscopy study. <i>NeuroReport</i> , <b>2009</b> , 20, 1344-50	1.7	26
86	A chaotic circuit based on a physical memristor. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 138, 109990	9.3	25
85	Widespread alterations in functional brain network architecture in amnesic mild cognitive impairment. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 40, 213-20	4.3	25
84	Engagement of the medial temporal lobe in verbal and nonverbal memory: assessment with functional MR imaging in healthy subjects. <i>American Journal of Neuroradiology</i> , <b>2009</b> , 30, 1134-41	4.4	25
83	Remote synchronization of amplitudes across an experimental ring of non-linear oscillators. <i>Chaos</i> , <b>2015</b> , 25, 123107	3.3	24
82	Connectivity of the amygdala, piriform, and orbitofrontal cortex during olfactory stimulation: a functional MRI study. <i>NeuroReport</i> , <b>2013</b> , 24, 171-5	1.7	24
81	Neural signatures of economic parameters during decision-making: a functional MRI (fMRI), electroencephalography (EEG) and autonomic monitoring study. <i>Brain Topography</i> , <b>2012</b> , 25, 73-96	4.3	22
80	The 4 Mountains Test: A Short Test of Spatial Memory with High Sensitivity for the Diagnosis of Pre-dementia Alzheimer's Disease. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	20
79	Experimental dynamical characterization of five autonomous chaotic oscillators with tunable series resistance. <i>Chaos</i> , <b>2014</b> , 24, 033110	3.3	20
78	Functional MRI in malformations of cortical development: activation of dysplastic tissue and functional reorganization. <i>Journal of Neuroimaging</i> , <b>2008</b> , 18, 296-305	2.8	20
77	Allocentric Spatial Memory Testing Predicts Conversion from Mild Cognitive Impairment to Dementia: An Initial Proof-of-Concept Study. <i>Frontiers in Neurology</i> , <b>2016</b> , 7, 215	4.1	20
76	Synchronization, non-linear dynamics and low-frequency fluctuations: analogy between spontaneous brain activity and networked single-transistor chaotic oscillators. <i>Chaos</i> , <b>2015</b> , 25, 033107	3.3	19
75	From brain topography to brain topology: relevance of graph theory to functional neuroscience. <i>NeuroReport</i> , <b>2013</b> , 24, 536-43	1.7	19

74	Decreased diffusivity in the caudate nucleus of presymptomatic huntington disease gene carriers: which explanation?. <i>American Journal of Neuroradiology</i> , <b>2010</b> , 31, 706-10	4.4	19
73	Experimental synchronization of chaos in a large ring of mutually coupled single-transistor oscillators: phase, amplitude, and clustering effects. <i>Chaos</i> , <b>2014</b> , 24, 043108	3.3	18
72	Accuracy of 2-hydroxyglutarate quantification by short-echo proton-MRS at 3 T: a phantom study. <i>Physica Medica</i> , <b>2014</b> , 30, 702-7	2.7	18
71	Neuroanatomical substrates for the volitional regulation of heart rate. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 300	3.4	17
70	The Coma Recovery Scale Modified Score: a new scoring system for the Coma Recovery Scale-revised for assessment of patients with disorders of consciousness. <i>International Journal of Rehabilitation Research</i> , <b>2015</b> , 38, 350-6	1.8	17
69	Two-Year Longitudinal Monitoring of Amnesic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease Using Topographical Biomarkers Derived from Functional Magnetic Resonance Imaging and Electroencephalographic Activity. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 69, 15-35	4.3	17
68	A longitudinal DTI and histological study of the spinal cord reveals early pathological alterations in G93A-SOD1 mouse model of amyotrophic lateral sclerosis. <i>Experimental Neurology</i> , <b>2017</b> , 293, 43-52	5.7	16
67	Gray matter textural heterogeneity as a potential in-vivo biomarker of fine structural abnormalities in Asperger syndrome. <i>Pharmacogenomics Journal</i> , <b>2013</b> , 13, 70-9	3.5	16
66	Variability comparison of simultaneous brain near-infrared spectroscopy and functional magnetic resonance imaging during visual stimulation. <i>Journal of Medical Engineering and Technology</i> , <b>2011</b> , 35, 370-6	1.8	16
65	Abnormal ERD/ERS but unaffected BOLD response in patients with Unverricht-Lundborg disease during index extension: a simultaneous EEG-fMRI study. <i>Brain Topography</i> , <b>2011</b> , 24, 65-77	4.3	15
64	Acute tryptophan depletion attenuates conscious appraisal of social emotional signals in healthy female volunteers. <i>Psychopharmacology</i> , <b>2011</b> , 213, 603-13	4.7	15
63	Impact of functional MRI data preprocessing pipeline on default-mode network detectability in patients with disorders of consciousness. <i>Frontiers in Neuroinformatics</i> , <b>2013</b> , 7, 16	3.9	14
62	Fast computation of voxel-level brain connectivity maps from resting-state functional MRI using l <sub>1</sub> norm as approximation of Pearson's temporal correlation: proof-of-concept and example vector hardware implementation. <i>Medical Engineering and Physics</i> , <b>2014</b> , 36, 1212-7	2.4	12
61	Thoughts turned into high-level commands: Proof-of-concept study of a vision-guided robot arm driven by functional MRI (fMRI) signals. <i>Medical Engineering and Physics</i> , <b>2012</b> , 34, 650-8	2.4	12
60	Simultaneous PET-MRI Studies of the Concordance of Atrophy and Hypometabolism in Syndromic Variants of Alzheimer's Disease and Frontotemporal Dementia: An Extended Case Series. <i>Journal of Alzheimer's Disease</i> , <b>2015</b> , 46, 639-53	4.3	12
59	Event-related potential (ERP) markers of melodic processing: The N2 component is modulated by structural complexity, not by melodic meaningfulness. <i>Brain Research Bulletin</i> , <b>2010</b> , 83, 23-8	3.9	12
58	Loss of heterozygosity studies in extracranial metastatic meningiomas. <i>Journal of Neuro-Oncology</i> , <b>2007</b> , 85, 81-5	4.8	12
57	The Von Restorff effect in ageing and Alzheimer's disease. <i>Neurological Sciences</i> , <b>2006</b> , 27, 166-72	3.5	12

56	Throwing the banana away and keeping the peel: neuroelectric responses to unexpected but physically feasible action endings. <i>Brain Research</i> , <b>2013</b> , 1532, 56-62	3.7	11
55	Altered semantic integration in autism beyond language: a cross-modal event-related potentials study. <i>NeuroReport</i> , <b>2013</b> , 24, 414-8	1.7	11
54	Across Neurons and Silicon: Some Experiments Regarding the Pervasiveness of Nonlinear Phenomena. <i>Acta Physica Polonica B</i> , <b>2018</b> , 49, 2029	1.9	11
53	Scale-resolved analysis of brain functional connectivity networks with spectral entropy. <i>NeuroImage</i> , <b>2020</b> , 211, 116603	7.9	10
52	Hyperexcitability in Cultured Cortical Neuron Networks from the G93A-SOD1 Amyotrophic Lateral Sclerosis Model Mouse and its Molecular Correlates. <i>Neuroscience</i> , <b>2019</b> , 416, 88-99	3.9	10
51	Effective connectivity reveals strategy differences in an expert calculator. <i>PLoS ONE</i> , <b>2013</b> , 8, e73746	3.7	10
50	Choice-option evaluation is preserved in early Huntington and Parkinson's disease. <i>NeuroReport</i> , <b>2011</b> , 22, 753-7	1.7	9
49	Bio-image warehouse system: concept and implementation of a diagnosis-based data warehouse for advanced imaging modalities in neuroradiology. <i>Journal of Digital Imaging</i> , <b>2007</b> , 20, 32-41	5.3	9
48	Fading of remote synchronization in tree networks of Stuart-Landau oscillators. <i>Physical Review E</i> , <b>2019</b> , 99, 052301	2.4	8
47	Method for retrospective estimation of natural head movement during structural MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 927-937	5.6	8
46	Simultaneous PET/MRI in frontotemporal dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2013</b> , 40, 468-9	8.8	8
45	Spatial correspondence between functional MRI (fMRI) activations and cortical current density maps of event-related potentials (ERP): a study with four tasks. <i>Brain Topography</i> , <b>2008</b> , 21, 112-27	4.3	8
44	Critical phenomena at a first-order phase transition in a lattice of glow lamps: Experimental findings and analogy to neural activity. <i>Chaos</i> , <b>2016</b> , 26, 073103	3.3	8
43	. <i>IEEE Access</i> , <b>2019</b> , 7, 174793-174821	3.5	8
42	Generation of surrogate event sequences via joint distribution of successive inter-event intervals. <i>Chaos</i> , <b>2019</b> , 29, 121102	3.3	8
41	Detection of scale-freeness in brain connectivity by functional MRI: signal processing aspects and implementation of an open hardware co-processor. <i>Medical Engineering and Physics</i> , <b>2013</b> , 35, 1525-31	2.4	7
40	Detecting scale violations in absence of mismatch requires music-syntactic analysis: a further look at the early right anterior negativity (ERAN). <i>Brain Topography</i> , <b>2012</b> , 25, 285-92	4.3	7
39	Elevating tensor rank increases anisotropy in brain areas associated with intra-voxel orientational heterogeneity (IVOH): a generalised DTI (GDTI) study. <i>NMR in Biomedicine</i> , <b>2008</b> , 21, 2-14	4.4	7

38	Apparent remote synchronization of amplitudes: A demodulation and interference effect. <i>Chaos</i> , <b>2018</b> , 28, 063124	3.3	7
37	An Information-Theoretic Framework to Measure the Dynamic Interaction Between Neural Spike Trains. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 3471-3481	5	7
36	Experimental Implementation of Networked Chaotic Oscillators Based on Cross-Coupled Inverter Rings in a CMOS Integrated Circuit. <i>Journal of Circuits, Systems and Computers</i> , <b>2015</b> , 24, 1550144	0.9	6
35	Wavelet-based discrimination of isolated singularities masquerading as multifractals in detrended fluctuation analyses. <i>Nonlinear Dynamics</i> , <b>2020</b> , 100, 1689-1704	5	6
34	Detecting conscious awareness from involuntary autonomic responses. <i>Consciousness and Cognition</i> , <b>2011</b> , 20, 936-42	2.6	6
33	Adult-like neuroelectrical response to inequity in children: Evidence from the ultimatum game. <i>Social Neuroscience</i> , <b>2016</b> , 11, 193-206	2	5
32	. <i>IEEE Access</i> , <b>2019</b> , 7, 54638-54657	3.5	5
31	A tree architecture with hierarchical data processing on a sensor-rich hexapod robot. <i>Advanced Robotics</i> , <b>2002</b> , 16, 595-608	1.7	5
30	Self-similarity and quasi-idempotence in neural networks and related dynamical systems. <i>Chaos</i> , <b>2017</b> , 27, 043115	3.3	5
29	Rapid geodesic mapping of brain functional connectivity: implementation of a dedicated co-processor in a field-programmable gate array (FPGA) and application to resting state functional MRI. <i>Medical Engineering and Physics</i> , <b>2013</b> , 35, 1532-9	2.4	4
28	Early experience with remote pressure sensor respiratory plethysmography monitoring sedation in the MR scanner. <i>European Journal of Anaesthesiology</i> , <b>2007</b> , 24, 761-9	2.3	4
27	Estimation of Granger causality through Artificial Neural Networks: applications to physiological systems and chaotic electronic oscillators. <i>PeerJ Computer Science</i> , <b>2021</b> , 7, e429	2.7	4
26	Disruption of posteromedial large-scale neural communication predicts recovery from coma. <i>Neurology</i> , <b>2016</b> , 87, 120-1	6.5	4
25	Experimental observations of chimera states in locally and non-locally coupled Stuart-Landau oscillator circuits. <i>Chaos, Solitons and Fractals</i> , <b>2020</b> , 138, 109907	9.3	3
24	Visual behaviors in disorders of consciousness: Disentangling conscious visual processing by a multimodal approach. <i>European Journal of Neuroscience</i> , <b>2020</b> , 52, 4345-4355	3.5	3
23	Distributed Sensing Via Inductively Coupled Single-Transistor Chaotic Oscillators: A New Approach and Its Experimental Proof-of-Concept. <i>IEEE Access</i> , <b>2020</b> , 8, 36536-36555	3.5	3
22	Effect of diffusion-sensitizing gradient timings on the exponential, biexponential and diffusional kurtosis model parameters: in-vivo measurements in the rat thalamus. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2010</b> , 23, 115-21	2.8	3
21	Generic Rotating-Frame-Based Approach to Chaos Generation in Nonlinear Micro- and Nanoelectromechanical System Resonators. <i>Physical Review Letters</i> , <b>2020</b> , 125, 174301	7.4	3



20	High-dimensional dynamics in a single-transistor oscillator containing Feynman-Sierpiński resonators: Effect of fractal depth and irregularity. <i>Chaos</i> , <b>2018</b> , 28, 093112	3.3	3
19	Warped phase coherence: An empirical synchronization measure combining phase and amplitude information. <i>Chaos</i> , <b>2019</b> , 29, 021102	3.3	2
18	SpiSeMe: A multi-language package for spike train surrogate generation. <i>Chaos</i> , <b>2020</b> , 30, 073120	3.3	2
17	Evidence of altered pressure pain thresholds in persons with disorders of consciousness as measured by the Nociception Coma Scale-Italian version. <i>Neuropsychological Rehabilitation</i> , <b>2018</b> , 28, 1295-1310	3.1	2
16	Simultaneous EEG-fMRI in patients with Unverricht-Lundborg disease: event-related desynchronization/synchronization and hemodynamic response analysis. <i>Computational Intelligence and Neuroscience</i> , <b>2010</b> , 164278	3	2
15	Rapid generation of biexponential and diffusional kurtosis maps using multi-layer perceptrons: a preliminary experience. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2008</b> , 21, 299-305	2.8	2
14	Behavioral and physiological correlates of kinetically tracking a chaotic target. <i>PLoS ONE</i> , <b>2020</b> , 15, e0239471	3.7	2
13	Generation of diverse insect-like gait patterns using networks of coupled Rössler systems. <i>Chaos</i> , <b>2020</b> , 30, 123132	3.3	2
12	A comparative study on assessment procedures and metric properties of two scoring systems of the Coma Recovery Scale-Revised items: standard and modified scores. <i>Clinical Rehabilitation</i> , <b>2017</b> , 31, 1226-1237	3.3	1
11	Age-Related Decline of Sensorimotor Integration Influences Resting-State Functional Brain Connectivity. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	1
10	Visual fixation in disorders of consciousness: Development of predictive models to support differential diagnosis. <i>Physiology and Behavior</i> , <b>2021</b> , 230, 113310	3.5	1
9	TinyCowNet: Memory- and Power-Minimized RNNs Implementable on Tiny Edge Devices for Lifelong Cow Behavior Distribution Estimation. <i>IEEE Access</i> , <b>2022</b> , 10, 32706-32727	3.5	1
8	An analog electronic emulator of non-linear dynamics in optical microring resonators. <i>Chaos, Solitons and Fractals</i> , <b>2021</b> , 153, 111410	9.3	0
7	Distributed sensing via the ensemble spectra of uncoupled electronic chaotic oscillators. <i>Chaos, Solitons and Fractals</i> , <b>2022</b> , 155, 111749	9.3	0
6	Node differentiation dynamics along the route to synchronization in complex networks. <i>Physical Review E</i> , <b>2021</b> , 104, 014303	2.4	0
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