Ludovico Minati

List of Publications by Year
in descending order

149 papers	5,958 citations	61945 43 h-index	91828 69 g-index
157 all docs	157 docs citations	157 times ranked	9126 citing authors

#	Article	IF	Citations
1	Resting-state brain networks: literature review and clinical applications. Neurological Sciences, 2011, 32, 773-785.	0.9	433
2	Fear from the Heart: Sensitivity to Fear Stimuli Depends on Individual Heartbeats. Journal of Neuroscience, 2014, 34, 6573-6582.	1.7	255
3	Reviews: Current Concepts in Alzheimer's Disease: A Multidisciplinary Review. American Journal of Alzheimer's Disease and Other Dementias, 2009, 24, 95-121.	0.9	245
4	White Matter Involvement in Idiopathic Parkinson Disease: A Diffusion Tensor Imaging Study. American Journal of Neuroradiology, 2009, 30, 1222-1226.	1.2	215
5	Conversion of the BASE Prion Strain into the BSE Strain: The Origin of BSE?. PLoS Pathogens, 2007, 3, e31.	2.1	146
6	Emotional appraisal is influenced by cardiac afferent information.. Emotion, 2012, 12, 180-191.	1.5	134
7	Intra- and extra-cranial effects of transient blood pressure changes on brain near-infrared spectroscopy (NIRS) measurements. Journal of Neuroscience Methods, 2011, 197, 283-288.	1.3	127
8	What the heart forgets: Cardiac timing influences memory for words and is modulated by metacognition and interoceptive sensitivity. Psychophysiology, 2013, 50, 505-512.	1.2	125
9	Multiscale characteristics of the emerging global cryptocurrency market. Physics Reports, 2021, 901, 1-82.	10.3	114
10	Functional Connectivity during Resting-State Functional MR Imaging: Study of the Correspondence between Independent Component Analysis and Region-of-Interestâˆ'Based Methods. American Journal of Neuroradiology, 2012, 33, 180-187.	1.2	107
11	MR Spectroscopy, Functional MRI, and Diffusion-Tensor Imaging in the Aging Brain: A Conceptual Review. Journal of Geriatric Psychiatry and Neurology, 2007, 20, 3-21.	1.2	105
12	Can MR Imaging Diagnose Adult-Onset Alexander Disease?. American Journal of Neuroradiology, 2008, 29, 1190-1196.	1.2	99
13	Spontaneous intracranial hypotension with deep brain swelling. Brain, 2007, 130, 1884-1893.	3.7	98
14	Autism Attenuates Sex Differences in Brain Structure: A Combined Voxel-Based Morphometry and Diffusion Tensor Imaging Study. American Journal of Neuroradiology, 2012, 33, 83-89.	1.2	92
15	Bitcoin market route to maturity? Evidence from return fluctuations, temporal correlations and multiscaling effects. Chaos, 2018, 28, 071101.	1.0	87
16	Longitudinal reproducibility of default-mode network connectivity in healthy elderly participants: A multicentric resting-state fMRI study. NeuroImage, 2016, 124, 442-454.	2.1	85
17	Preoperative Mapping of the Sensorimotor Cortex: Comparative Assessment of Task-Based and Resting-State fMRI. PLoS ONE, 2014, 9, e98860.	1.1	83
18	Brain structure and joint hypermobility: Relevance to the expression of psychiatric symptoms. British Journal of Psychiatry, 2012, 200, 508-509.	1.7	77

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19	Emotional Regulation and Bodily Sensation: Interoceptive Awareness Is Intact in Borderline Personality Disorder. Journal of Personality Disorders, 2013, 27, 506-518.	0.8	72
20	Free water elimination improves testâ€"retest reproducibility of diffusion tensor imaging indices in the brain: A longitudinal multisite study of healthy elderly subjects. Human Brain Mapping, 2017, 38, 12-26.	1.9	72
21	Physical foundations, models, and methods of diffusion magnetic resonance imaging of the brain: A review. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2007, 30A, 278-307.	0.2	71
22	<i>In vivo</i> quantitative magnetization transfer imaging correlates with histology during deâ€•and remyelination in cuprizoneâ€‑treated mice. NMR in Biomedicine, 2015, 28, 327-337.	1.6	71
23	Slow Breathing and Hypoxic Challenge: Cardiorespiratory Consequences and Their Central Neural Substrates. PLoS ONE, 2015, 10, e0127082.	1.1	70
24	A chaotic circuit based on a physical memristor. Chaos, Solitons and Fractals, 2020, 138, 109990.	2.5	68
25	Preoperative language lateralization in temporal lobe epilepsy (TLE) predicts peri-ictal, pre- and post-operative language performance: An fMRI study. NeuroImage: Clinical, 2013, 3, 73-83.	1.4	67
26	Multimodal study of defaultâ€‑mode network integrity in disorders of consciousness. Annals of Neurology, 2016, 79, 841-853.	2.8	67
27	Experimental Models of Brain Ischemia: A Review of Techniques, Magnetic Resonance Imaging, and Investigational Cell-Based Therapies. Frontiers in Neurology, 2014, 5, 19.	1.1	65
28	Diffusion Tensor Imaging of Spinocerebellar Ataxias Types 1 and 2. American Journal of Neuroradiology, 2007, 28, 1996-2000.	1.2	64
29	Hybrid Control of a Vision-Guided Robot Arm by EOG, EMG, EEG Biosignals and Head Movement Acquired via a Consumer-Grade Wearable Device. IEEE Access, 2016, 4, 9528-9541.	2.6	62
30	Sex Differences and Autism: Brain Function during Verbal Fluency and Mental Rotation. PLoS ONE, 2012, 7, e38355.	1.1	61
31	Predictive value of the El-Ganzouri multivariate risk index for difficult tracheal intubation: a comparison of Glidescope Â® videolaryngoscopy and conventional Macintosh laryngoscopy. British Journal of Anaesthesia, 2007, 99, 906-911.	1.5	60
32	Baroreceptor activation attenuates attentional effects on pain-evoked potentials. Pain, 2010, 151, 853-861.	2.0	60
33	Responding to Unfair Offers Made by a Friend: Neuroelectrical Activity Changes in the Anterior Medial Prefrontal Cortex. Journal of Neuroscience, 2011, 31, 15569-15574.	1.7	59
34	Diagnostic differentiation of mild cognitive impairment due to Alzheimer's disease using a hippocampus-dependent test of spatial memory. Hippocampus, 2015, 25, 939-951.	0.9	59
35	Supratentorial and pontine <scp>MRI</scp> abnormalities characterize recessive spastic ataxia of <scp>C</scp>harlevoixâ€‑<scp>S</scp>aguenay. A comprehensive study of an <scp>I</scp>talian series. European Journal of Neurology, 2013, 20, 138-146.	1.7	57
36	Signatures of the Crypto-Currency Market Decoupling from the Forex. Future Internet, 2019, 11, 154.	2.4	57

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37	Versatile Locomotion Control of a Hexapod Robot Using a Hierarchical Network of Nonlinear Oscillator Circuits. IEEE Access, 2018, 6, 8042-8065.	2.6	56
38	Quantitation of normal metabolite concentrations in six brain regions by in-vivo ^{1}H-MR spectroscopy. Journal of Medical Physics, 2010, 35, 154.	0.1	56
39	Physiological recordings: Basic concepts and implementation during functional magnetic resonance imaging. NeuroImage, 2009, 47, 1105-1115.	2.1	52
40	Early involvement of dorsal and ventral pathways in visual word recognition: An ERP study. Brain Research, 2009, 1272, 32-44.	1.1	51
41	Functional MRI/Event-related potential study of sensory consonance and dissonance in musicians and nonmusicians. NeuroReport, 2009, 20, 87-92.	0.6	50
42	Substantia nigra in Parkinson's disease: a multimodal MRI comparison between early and advanced stages of the disease. Neurological Sciences, 2014, 35, 753-758.	0.9	50
43	From brain topography to brain topology. NeuroReport, 2013, 24, 536-543.	0.6	49
44	Hysteresis, neural avalanches, and critical behavior near a first-order transition of a spiking neural network. Physical Review E, 2018, 97, 062305.	0.8	48
45	Anger in brain and body: the neural and physiological perturbation of decision-making by emotion. Social Cognitive and Affective Neuroscience, 2016, 11, 150-158.	1.5	44
46	Sedation of neurologically impaired children undergoing MRI: a sequential approach. Paediatric Anaesthesia, 2007, 17, 630-636.	0.6	43
47	Competition of noise and collectivity in global cryptocurrency trading: Route to a self-contained market. Chaos, 2020, 30, 023122.	1.0	42
48	Direct skin-to-skin versus indirect touch modulates neural responses to stroking versus tapping. NeuroReport, 2011, 22, 646-651.	0.6	41
49	Effects of transcranial direct-current stimulation (tDCS) of the dorsolateral prefrontal cortex (DLPFC) during a mixed-gambling risky decision-making task. Cognitive Neuroscience, 2012, 3, 80-88.	0.6	39
50	Je pense donc je fais: transcranial direct current stimulation modulates brain oscillations associated with motor imagery and movement observation. Frontiers in Human Neuroscience, 2013, 7, 256.	1.0	39
51	Decision-making under risk: A graph-based network analysis using functional MRI. NeuroImage, 2012, 60, 2191-2205.	2.1	38
52	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. Human Brain Mapping, 2016, 37, 2114-2132.	1.9	38
53	FMRI/ERP of musical syntax: comparison of melodies and unstructured note sequences. NeuroReport, 2008, 19, 1381-1385.	0.6	37
54	Assessment of patients with disorder of consciousness: do different Coma Recovery Scale scoring correlate with different settings?. Journal of Neurology, 2014, 261, 2378-2386.	1.8	37

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55	Atypical transistor-based chaotic oscillators: Design, realization, and diversity. Chaos, 2017, 27, 073113.	1.0	37
56	Under Pressure: Response Urgency Modulates Striatal and Insula Activity during Decision-Making under Risk. PLoS ONE, 2011, 6, e20942.	1.1	36
57	Combined 7-T MRI and histopathologic study of normal and dysplastic samples from patients with TLE. Neurology, 2011, 76, 1177-1185.	1.5	36
58	The 4 Mountains Test: A Short Test of Spatial Memory with High Sensitivity for the Diagnosis of Pre-dementia Alzheimer's Disease. Journal of Visualized Experiments, 2016, , .	0.2	36
59	Widespread Alterations in Functional Brain Network Architecture in Amnestic Mild Cognitive Impairment. Journal of Alzheimer's Disease, 2014, 40, 213-220.	1.2	35
60	Abnormalities in fronto-striatal connectivity within language networks relate to differences in grey-matter heterogeneity in Asperger syndrome. NeuroImage: Clinical, 2013, 2, 716-726.	1.4	34
61	Two-Year Longitudinal Monitoring of Amnestic Mild Cognitive Impairment Patients with Prodromal Alzheimer's Disease Using Topographical Biomarkers Derived from Functional Magnetic Resonance Imaging and Electroencephalographic Activity. Journal of Alzheimer's Disease, 2019, 69, 15-35.	1.2	34
62	The neural basis of illusory gustatory sensations: Two rare cases of lexical–gustatory synaesthesia. Journal of Neuropsychology, 2011, 5, 243-254.	0.6	31
63	Engagement of the Medial Temporal Lobe in Verbal and Nonverbal Memory: Assessment with Functional MR Imaging in Healthy Subjects. American Journal of Neuroradiology, 2009, 30, 1134-1141.	1.2	30
64	Remote synchronization of amplitudes across an experimental ring of non-linear oscillators. Chaos, 2015, 25, 123107.	1.0	30
65	Allocentric Spatial Memory Testing Predicts Conversion from Mild Cognitive Impairment to Dementia: An Initial Proof-of-Concept Study. Frontiers in Neurology, 2016, 7, 215.	1.1	30
66	Biexponential and diffusional kurtosis imaging, and generalised diffusion-tensor imaging (GDTI) with rank-4 tensors: a study in a group of healthy subjects. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 241-253.	1.1	28
67	Emotional modulation of visual cortex activity: a functional near-infrared spectroscopy study. NeuroReport, 2009, 20, 1344-1350.	0.6	28
68	Connectivity of the amygdala, piriform, and orbitofrontal cortex during olfactory stimulation. NeuroReport, 2013, 24, 171-175.	0.6	28
69	Synchronization, non-linear dynamics and low-frequency fluctuations: Analogy between spontaneous brain activity and networked single-transistor chaotic oscillators. Chaos, 2015, 25, 033107.	1.0	27
70	Functional MRI in Malformations of Cortical Development: Activation of Dysplastic Tissue and Functional Reorganization. Journal of Neuroimaging, 2008, 18, 296-305.	1.0	26
71	Neural Signatures of Economic Parameters During Decision-Making: A Functional MRI (fMRI), Electroencephalography (EEG) and Autonomic Monitoring Study. Brain Topography, 2012, 25, 73-96.	0.8	24
72	Experimental synchronization of chaos in a large ring of mutually coupled single-transistor oscillators: Phase, amplitude, and clustering effects. Chaos, 2014, 24, 043108.	1.0	24

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73	Decreased Diffusivity in the Caudate Nucleus of Presymptomatic Huntington Disease Gene Carriers: Which Explanation?. American Journal of Neuroradiology, 2010, 31, 706-710.	1.2	23
74	Altered semantic integration in autism beyond language. NeuroReport, 2013, 24, 414-418.	0.6	23
75	Experimental dynamical characterization of five autonomous chaotic oscillators with tunable series resistance. Chaos, 2014, 24, 033110.	1.0	23
76	The Coma Recovery Scale Modified Score. International Journal of Rehabilitation Research, 2015, 38, 350-356.	0.7	23
77	Scale-resolved analysis of brain functional connectivity networks with spectral entropy. NeuroImage, 2020, 211, 116603.	2.1	23
78	Accuracy of 2-hydroxyglutarate quantification by short-echo proton-MRS at 3ÂT: A phantom study. Physica Medica, 2014, 30, 702-707.	0.4	22
79	Variability comparison of simultaneous brain near-infrared spectroscopy and functional magnetic resonance imaging during visual stimulation. Journal of Medical Engineering and Technology, 2011, 35, 370-376.	0.8	21
80	Neuroanatomical substrates for the volitional regulation of heart rate. Frontiers in Psychology, 2015, 06, 300.	1.1	21
81	Impact of functional MRI data preprocessing pipeline on default-mode network detectability in patients with disorders of consciousness. Frontiers in Neuroinformatics, 2013, 7, 16.	1.3	19
82	A longitudinal DTI and histological study of the spinal cord reveals early pathological alterations in G93A-SOD1 mouse model of amyotrophic lateral sclerosis. Experimental Neurology, 2017, 293, 43-52.	2.0	19
83	Method for retrospective estimation of natural head movement during structural MRI. Journal of Magnetic Resonance Imaging, 2018, 48, 927-937.	1.9	19
84	Wavelet-based discrimination of isolated singularities masquerading as multifractals in detrended fluctuation analyses. Nonlinear Dynamics, 2020, 100, 1689-1704.	2.7	19
85	Acute tryptophan depletion attenuates conscious appraisal of social emotional signals in healthy female volunteers. Psychopharmacology, 2011, 213, 603-613.	1.5	18
86	An Information-Theoretic Framework to Measure the Dynamic Interaction Between Neural Spike Trains. IEEE Transactions on Biomedical Engineering, 2021, 68, 3471-3481.	2.5	18
87	Gray matter textural heterogeneity as a potential in-vivo biomarker of fine structural abnormalities in Asperger syndrome. Pharmacogenomics Journal, 2013, 13, 70-79.	0.9	17
88	Connectivity Influences on Nonlinear Dynamics in Weakly-Synchronized Networks: Insights From RÃ¶ssler Systems, Electronic Chaotic Oscillators, Model and Biological Neurons. IEEE Access, 2019, 7, 174793-174821.	2.6	17
89	Loss of heterozygosity studies in extracranial metastatic meningiomas. Journal of Neuro-Oncology, 2007, 85, 81-85.	1.4	16
90	Across Neurons and Silicon: Some Experiments Regarding the Pervasiveness of Nonlinear Phenomena. Acta Physica Polonica B, 2018, 49, 2029.	0.3	16

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91	The Von Restorff effect in ageing and Alzheimer's disease. Neurological Sciences, 2006, 27, 166-172.	0.9	15
92	Abnormal ERD/ERS but Unaffected BOLD Response in Patients with Unverricht–Lundborg Disease During Index Extension: A Simultaneous EEG-fMRI Study. Brain Topography, 2011, 24, 65-77.	0.8	15
93	Thoughts turned into high-level commands: Proof-of-concept study of a vision-guided robot arm driven by functional MRI (fMRI) signals. Medical Engineering and Physics, 2012, 34, 650-658.	0.8	15
94	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. Journal of Alzheimer's Disease, 2015, 46, 639-653.	1.2	15
95	Fast computation of voxel-level brain connectivity maps from resting-state functional MRI using l1-norm as approximation of Pearson's temporal correlation: Proof-of-concept and example vector hardware implementation. Medical Engineering and Physics, 2014, 36, 1212-1217.	0.8	14
96	Hyperexcitability in Cultured Cortical Neuron Networks from the G93A-SOD1 Amyotrophic Lateral Sclerosis Model Mouse and its Molecular Correlates. Neuroscience, 2019, 416, 88-99.	1.1	14
97	Estimation of Granger causality through Artificial Neural Networks: applications to physiological systems and chaotic electronic oscillators. PeerJ Computer Science, 2021, 7, e429.	2.7	14
98	Bio-Image Warehouse System: Concept and Implementation of a Diagnosis-Based Data Warehouse for Advanced Imaging Modalities in Neuroradiology. Journal of Digital Imaging, 2007, 20, 32-41.	1.6	13
99	Choice-option evaluation is preserved in early Huntington and Parkinson's disease. NeuroReport, 2011, 22, 753-757.	0.6	13
100	Generation of surrogate event sequences via joint distribution of successive inter-event intervals. Chaos, 2019, 29, 121102.	1.0	13
101	Event-related potential (ERP) markers of melodic processing: The N2 component is modulated by structural complexity, not by melodic 'meaningfulness'. Brain Research Bulletin, 2010, 83, 23-28.	1.4	12
102	Apparent remote synchronization of amplitudes: A demodulation and interference effect. Chaos, 2018, 28, 063124.	1.0	12
103	Current-Starved Cross-Coupled CMOS Inverter Rings as Versatile Generators of Chaotic and Neural-Like Dynamics Over Multiple Frequency Decades. IEEE Access, 2019, 7, 54638-54657.	2.6	12
104	Fading of remote synchronization in tree networks of Stuart-Landau oscillators. Physical Review E, 2019, 99, 052301.	0.8	12
105	Generic Rotating-Frame-Based Approach to Chaos Generation in Nonlinear Micro- and Nanoelectromechanical System Resonators. Physical Review Letters, 2020, 125, 174301.	2.9	12
106	Throwing the banana away and keeping the peel: Neuroelectric responses to unexpected but physically feasible action endings. Brain Research, 2013, 1532, 56-62.	1.1	11
107	Age-Related Decline of Sensorimotor Integration Influences Resting-State Functional Brain Connectivity. Brain Sciences, 2020, 10, 966.	1.1	11
108	Experimental observations of chimera states in locally and non-locally coupled Stuart-Landau oscillator circuits. Chaos, Solitons and Fractals, 2020, 138, 109907.	2.5	11

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109	Detecting Scale Violations in Absence of Mismatch Requires Music-Syntactic Analysis: A Further Look at the Early Right Anterior Negativity (ERAN). Brain Topography, 2012, 25, 285-292.	0.8	10
110	Effective Connectivity Reveals Strategy Differences in an Expert Calculator. PLoS ONE, 2013, 8, e73746.	1.1	10
111	Critical phenomena at a first-order phase transition in a lattice of glow lamps: Experimental findings and analogy to neural activity. Chaos, 2016, 26, 073103.	1.0	10
112	Measuring High-Order Interactions in Rhythmic Processes Through Multivariate Spectral Information Decomposition. IEEE Access, 2021, 9, 149486-149505.	2.6	10
113	Spatial Correspondence Between Functional MRI (fMRI) Activations and Cortical Current Density Maps of Event-Related Potentials (ERP): A Study with Four Tasks. Brain Topography, 2008, 21, 112-127.	0.8	9
114	Simultaneous PET/MRI in frontotemporal dementia. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 468-469.	3.3	9
115	Detection of scale-freeness in brain connectivity by functional MRI: Signal processing aspects and implementation of an open hardware co-processor. Medical Engineering and Physics, 2013, 35, 1525-1531.	0.8	9
116	Distributed Sensing Via Inductively Coupled Single-Transistor Chaotic Oscillators: A New Approach and Its Experimental Proof-of-Concept. IEEE Access, 2020, 8, 36536-36555.	2.6	9
117	Detecting conscious awareness from involuntary autonomic responses. Consciousness and Cognition, 2011, 20, 936-942.	0.8	8
118	Disruption of posteromedial large-scale neural communication predicts recovery from comaAuthor Response. Neurology, 2016, 87, 120-121.	1.5	8
119	High-dimensional dynamics in a single-transistor oscillator containing Feynman-SierpiÅ„ski resonators: Effect of fractal depth and irregularity. Chaos, 2018, 28, 093112.	1.0	8
120	A tree architecture with hierarchical data processing on a sensor-rich hexapod robot. Advanced Robotics, 2002, 16, 595-608.	1.1	7
121	Elevating tensor rank increases anisotropy in brain areas associated with intra-voxel orientational heterogeneity (IVOH): a generalised DTI (GDTI) study. NMR in Biomedicine, 2008, 21, 2-14.	1.6	7
122	Experimental Implementation of Networked Chaotic Oscillators Based on Cross-Coupled Inverter Rings in a CMOS Integrated Circuit. Journal of Circuits, Systems and Computers, 2015, 24, 1550144.	1.0	7
123	SpiSeMe: A multi-language package for spike train surrogate generation. Chaos, 2020, 30, 073120.	1.0	7
124	An analog electronic emulator of non-linear dynamics in optical microring resonators. Chaos, Solitons and Fractals, 2021, 153, 111410.	2.5	7
125	Adult-like neuroelectrical response to inequity in children: Evidence from the ultimatum game. Social Neuroscience, 2016, 11, 193-206.	0.7	6
126	Visual behaviors in disorders of consciousness: Disentangling conscious visual processing by a multimodal approach. European Journal of Neuroscience, 2020, 52, 4345-4355.	1.2	6

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127	Self-similarity and quasi-idempotence in neural networks and related dynamical systems. Chaos, 2017, 27, 043115.	1.0	6
128	Mechanisms of chaos generation in an atypical single-transistor oscillator. Chaos, Solitons and Fractals, 2022, 157, 111878.	2.5	6
129	Generation of diverse insect-like gait patterns using networks of coupled Rössler systems. Chaos, 2020, 30, 123132.	1.0	5
130	TinyCowNet: Memory- and Power-Minimized RNNs Implementable on Tiny Edge Devices for Lifelong Cow Behavior Distribution Estimation. IEEE Access, 2022, 10, 32706-32727.	2.6	5
131	Early experience with remote pressure sensor respiratory plethysmography monitoring sedation in the MR scanner. European Journal of Anaesthesiology, 2007, 24, 761-769.	0.7	4
132	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. Medical Engineering and Physics, 2013, 35, 1532-1539.	0.8	4
133	Evidence of altered pressure pain thresholds in persons with disorders of consciousness as measured by the Nociception Coma Scale–Italian version. Neuropsychological Rehabilitation, 2018, 28, 1295-1310.	1.0	4
134	Behavioral and physiological correlates of kinetically tracking a chaotic target. PLoS ONE, 2020, 15, e0239471.	1.1	4
135	Distributed sensing via the ensemble spectra of uncoupled electronic chaotic oscillators. Chaos, Solitons and Fractals, 2022, 155, 111749.	2.5	4
136	Effect of diffusion-sensitizing gradient timings on the exponential, biexponential and diffusional kurtosis model parameters: in-vivo measurements in the rat thalamus. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 115-121.	1.1	3
137	A comparative study on assessment procedures and metric properties of two scoring systems of the Coma Recovery Scale-Revised items: standard and modified scores. Clinical Rehabilitation, 2017, 31, 1226-1237.	1.0	3
138	Visual fixation in disorders of consciousness: Development of predictive models to support differential diagnosis. Physiology and Behavior, 2021, 230, 113310.	1.0	3
139	Rapid generation of biexponential and diffusional kurtosis maps using multi-layer perceptrons: a preliminary experience. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 299-305.	1.1	2
140	Simultaneous EEG-fMRI in Patients with Unverricht-Lundborg Disease: Event-Related Desynchronization/Synchronization and Hemodynamic Response Analysis. Computational Intelligence and Neuroscience, 2010, 2010, 1-5.	1.1	2
141	Warped phase coherence: An empirical synchronization measure combining phase and amplitude information. Chaos, 2019, 29, 021102.	1.0	2
142	Node differentiation dynamics along the route to synchronization in complex networks. Physical Review E, 2021, 104, 014303.	0.8	2
143	Neuroimaging Techniques: a Conceptual Overview of Physical Principles, Contribution and History. AIP Conference Proceedings, 2006, , .	0.3	0
144	Severe microcephaly with polynodular heterotopia: a high‐field <scp>MRI</scp> and neuropathological case study. European Journal of Neurology, 2013, 20, e81-2.	1.7	0

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145	Emergence of chaos in transistor circuits evolved towards maximization of approximate signal entropy. , 2013, , .		0
146	iFLEX: A Fully Open-Source, High-Density Field-Programmable Gate Array (FPGA)-Based Hardware Co-Processor for Vector Similarity Searching. IEEE Access, 2019, 7, 112269-112283.	2.6	0
147	Current-Starved Chaotic Oscillator Over Multiple Frequency Decades on Low-Cost CMOS. , 2021, , .		0
148	Vowel Sound Synthesis from Electroencephalography during Listening and Recalling. Advanced Intelligent Systems, 2021, 3, 2000164.	3.3	0
149	Transfer Function-Based Characterization of the Honey Bee Olfactory System: From Biology to Electronic Circuits. IEEE Access, 2022, 10, 17169-17188.	2.6	0