

Nicola Toschi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8104943/publications.pdf>

Version: 2024-02-01

246
papers

8,004
citations

57758

44
h-index

66911

78
g-index

260
all docs

260
docs citations

260
times ranked

10876
citing authors

#	ARTICLE	IF	CITATIONS
1	Chronic psychosocial stress and concomitant repetitive transcranial magnetic stimulation: effects on stress hormone levels and adult hippocampal neurogenesis. <i>Biological Psychiatry</i> , 2002, 52, 1057-1065.	1.3	305
2	Repetitive transcranial magnetic stimulation increases the release of dopamine in the mesolimbic and mesostriatal system. <i>Neuropharmacology</i> , 2002, 43, 101-109.	4.1	283
3	A parameter-efficient deep learning approach to predict conversion from mild cognitive impairment to Alzheimer's disease. <i>NeuroImage</i> , 2019, 189, 276-287.	4.2	260
4	Long-Term Repetitive Transcranial Magnetic Stimulation Increases the Expression of Brain-Derived Neurotrophic Factor and Cholecystokinin mRNA, but not Neuropeptide Tyrosine mRNA in Specific Areas of Rat Brain. <i>Neuropsychopharmacology</i> , 2000, 23, 205-215.	5.4	245
5	Anxiolytic and Anti-Stress Effects of Brain Prolactin: Improved Efficacy of Antisense Targeting of the Prolactin Receptor by Molecular Modeling. <i>Journal of Neuroscience</i> , 2001, 21, 3207-3214.	3.6	238
6	Brain oxytocin inhibits the (re)activity of the hypothalamo-pituitary-adrenal axis in male rats: involvement of hypothalamic and limbic brain regions. <i>Regulatory Peptides</i> , 2000, 96, 31-38.	1.9	233
7	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2020, 11, 456.	4.8	201
8	Increased hypothalamic expression of prolactin in lactation: involvement in behavioural and neuroendocrine stress responses. <i>European Journal of Neuroscience</i> , 2002, 15, 1381-1389.	2.6	184
9	Radiomics in breast cancer classification and prediction. <i>Seminars in Cancer Biology</i> , 2021, 72, 238-250.	9.6	165
10	Reduction of Hypothalamic Vasopressinergic Hyperdrive Contributes to Clinically Relevant Behavioral and Neuroendocrine Effects of Chronic Paroxetine Treatment in a Psychopathological Rat Model. <i>Neuropsychopharmacology</i> , 2003, 28, 235-243.	5.4	156
11	Relevance of Magnetic Resonance Imaging for Early Detection and Diagnosis of Alzheimer Disease. <i>Medical Clinics of North America</i> , 2013, 97, 399-424.	2.5	151
12	Acute transcranial magnetic stimulation of frontal brain regions selectively modulates the release of vasopressin, biogenic amines and amino acids in the rat brain. <i>European Journal of Neuroscience</i> , 2000, 12, 3713-3720.	2.6	146
13	Maternal defence as an emotional stressor in female rats: correlation of neuroendocrine and behavioural parameters and involvement of brain oxytocin. <i>European Journal of Neuroscience</i> , 2001, 13, 1016-1024.	2.6	142
14	Surface-based morphometry reveals the neuroanatomical basis of the five-factor model of personality. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, nsw175.	3.0	136
15	Unconditioned anxiety and social behaviour in two rat lines selectively bred for high and low anxiety-related behaviour. <i>Behavioural Brain Research</i> , 2000, 111, 153-163.	2.2	125
16	Neuroendocrine and Behavioral Effects of Repetitive Transcranial Magnetic Stimulation in a Psychopathological Animal Model Are Suggestive of Antidepressant-like Effects. <i>Neuropsychopharmacology</i> , 2001, 24, 337-349.	5.4	123
17	Revolution of Alzheimer Precision Neurology. <i>Passageway of Systems Biology and Neurophysiology. Journal of Alzheimer's Disease</i> , 2018, 64, S47-S105.	2.6	122
18	Plasma amyloid β 40/42 ratio predicts cerebral amyloidosis in cognitively normal individuals at risk for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 764-775.	0.8	122

#	ARTICLE	IF	CITATIONS
19	Dimensions of emotionality in a rat model of innate anxiety.. Behavioral Neuroscience, 2001, 115, 429-436.	1.2	114
20	The influence of respiration on brainstem and cardiovagal response to auricular vagus nerve stimulation: A multimodal ultrahigh-field (7T) fMRI study. Brain Stimulation, 2019, 12, 911-921.	1.6	104
21	Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. Nanotoxicology, 2017, 11, 687-698.	3.0	102
22	Repetitive Transcranial Magnetic Stimulation (rTMS) in Major Depression Relation between Efficacy and Stimulation Intensity. Neuropsychopharmacology, 2002, 27, 638-45.	5.4	98
23	The central autonomic network at rest: Uncovering functional MRI correlates of time-varying autonomic outflow. NeuroImage, 2019, 197, 383-390.	4.2	92
24	Alzheimer's disease biomarker-guided diagnostic workflow using the added value of six combined cerebrospinal fluid candidates: A β ₁₋₄₂ , total τ , phosphorylated τ , NFL, neurogranin, and YKL ₄₀ . Alzheimer's and Dementia, 2018, 14, 492-501.	0.8	91
25	Diffusion-MRI in neurodegenerative disorders. Magnetic Resonance Imaging, 2015, 33, 853-876.	1.8	79
26	Sex differences in functional and molecular neuroimaging biomarkers of Alzheimer's disease in cognitively normal older adults with subjective memory complaints. Alzheimer's and Dementia, 2018, 14, 1204-1215.	0.8	79
27	Progression of brain atrophy in the early stages of Parkinson's disease: A longitudinal tensor-based morphometry study in de novo patients without cognitive impairment. Human Brain Mapping, 2014, 35, 3932-3944.	3.6	75
28	Altered Insular and Occipital Responses to Simulated Vertical Self-Motion in Patients with Persistent Postural-Perceptual Dizziness. Frontiers in Neurology, 2017, 8, 529.	2.4	74
29	Omics sciences for systems biology in Alzheimer's disease: State-of-the-art of the evidence. Ageing Research Reviews, 2021, 69, 101346.	10.9	74
30	Toward an <i>In Vivo</i> Neuroimaging Template of Human Brainstem Nuclei of the Ascending Arousal, Autonomic, and Motor Systems. Brain Connectivity, 2015, 5, 597-607.	1.7	68
31	Repetitive transcranial magnetic stimulation induces active coping strategies and attenuates the neuroendocrine stress response in rats. Journal of Psychiatric Research, 2000, 34, 265-276.	3.1	67
32	Reduced Activity of the Noradrenergic System in the Paraventricular Nucleus at the End of Pregnancy: Implications for Stress Hyporesponsiveness. Journal of Neuroendocrinology, 2005, 17, 40-48.	2.6	63
33	Ultrasound Neuromodulation: Mechanisms and the Potential of Multimodal Stimulation for Neuronal Function Assessment. Frontiers in Physics, 2020, 8, .	2.1	60
34	In vivo functional connectome of human brainstem nuclei of the ascending arousal, autonomic, and motor systems by high spatial resolution 7-Tesla fMRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 451-462.	2.0	59
35	Physics, Techniques and Review of Neuroradiological Applications of Diffusion Kurtosis Imaging (DKI). Clinical Neuroradiology, 2016, 26, 391-403.	1.9	59
36	Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer. Clinical Breast Cancer, 2018, 18, e659-e669.	2.4	56

#	ARTICLE	IF	CITATIONS
37	Cortical thickness, surface area, and folding alterations in male youths with conduct disorder and varying levels of callous/unemotional traits. <i>NeuroImage: Clinical</i> , 2015, 8, 253-260.	2.7	52
38	Physiologic autonomic arousal heralds motor manifestations of seizures in nocturnal frontal lobe epilepsy: Implications for pathophysiology. <i>Sleep Medicine</i> , 2012, 13, 252-262.	1.6	49
39	Structural connectomic alterations in the limbic system of multiple sclerosis patients with major depression. <i>Multiple Sclerosis Journal</i> , 2015, 21, 1003-1012.	3.0	49
40	The burden of microstructural damage modulates cortical activation in elderly subjects with MCI and leukoaraiosis. A DTI and fMRI study. <i>Human Brain Mapping</i> , 2014, 35, 819-830.	3.6	48
41	Biomarker-guided clustering of Alzheimer's disease clinical syndromes. <i>Neurobiology of Aging</i> , 2019, 83, 42-53.	3.1	48
42	White Matter Microstructural Damage in Small Vessel Disease Is Associated With Montreal Cognitive Assessment But Not With Mini Mental State Examination Performances. <i>Stroke</i> , 2015, 46, 262-264.	2.0	47
43	Diagnostic accuracy of CSF neurofilament light chain protein in the biomarker-guided classification system for Alzheimer's disease. <i>Neurochemistry International</i> , 2017, 108, 355-360.	3.8	46
44	Radiological, Histological and Chemical Analysis of Breast Microcalcifications: Diagnostic Value and Biological Significance. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2018, 23, 89-99.	2.7	46
45	Heart rate variability in untreated newly diagnosed temporal lobe epilepsy: Evidence for ictal sympathetic dysregulation. <i>Epilepsia</i> , 2016, 57, 418-426.	5.1	45
46	A probabilistic template of human mesopontine tegmental nuclei from in vivo 7 T MRI. <i>NeuroImage</i> , 2018, 170, 222-230.	4.2	45
47	Association of cerebrospinal fluid τ_{181} protein concentrations and brain amyloid load in cognitively normal subjective memory complainers stratified by Alzheimer's disease biomarkers. <i>Alzheimer's and Dementia</i> , 2018, 14, 1623-1631.	0.8	45
48	Complexity Variability Assessment of Nonlinear Time-Varying Cardiovascular Control. <i>Scientific Reports</i> , 2017, 7, 42779.	3.3	44
49	Differential default mode network trajectories in asymptomatic individuals at risk for Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2019, 15, 940-950.	0.8	43
50	Globally conditioned Granger causality in brain-heart interactions: a combined heart rate variability/ultra-high-field (7 T) functional magnetic resonance imaging study. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150185.	3.4	42
51	Uncovering complex central autonomic networks at rest: a functional magnetic resonance imaging study on complex cardiovascular oscillations. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190878.	3.4	42
52	No Stress Response of the Hypothalamo-Pituitary-Adrenal Axis in Parturient Rats: Lack of Involvement of Brain Oxytocin. <i>Endocrinology</i> , 2003, 144, 2473-2479.	2.8	41
53	Functional connectivity in amygdala sensory/(pre)motor networks at rest: new evidence from the Human Connectome Project. <i>European Journal of Neuroscience</i> , 2017, 45, 1224-1229.	2.6	41
54	Progression of Brain Atrophy in Spinocerebellar Ataxia Type 2: A Longitudinal Tensor-Based Morphometry Study. <i>PLoS ONE</i> , 2014, 9, e89410.	2.5	41

#	ARTICLE	IF	CITATIONS
55	A reconstruction of the conductive phenomena elicited by transcranial magnetic stimulation in heterogeneous brain tissue. <i>Physica Medica</i> , 2008, 24, 80-86.	0.7	40
56	fMRI pain activation in the periaqueductal gray in healthy volunteers during the cold pressor test. <i>Magnetic Resonance Imaging</i> , 2014, 32, 236-240.	1.8	40
57	Cortical thickness in <i>de novo</i> patients with Parkinson disease and mild cognitive impairment with consideration of clinical phenotype and motor laterality. <i>European Journal of Neurology</i> , 2015, 22, 1564-1572.	3.3	40
58	Motion sickness increases functional connectivity between visual motion and nausea-associated brain regions. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2017, 202, 108-113.	2.8	40
59	Sex Differences in the Relationship Between Conduct Disorder and Cortical Structure in Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2017, 56, 703-712.	0.5	40
60	Exposure to ultrafine particles in different transport modes in the city of Rome. <i>Environmental Pollution</i> , 2017, 228, 201-210.	7.5	40
61	The lncRNA H19 positively affects the tumorigenic properties of glioblastoma cells and contributes to NKD1 repression through the recruitment of EZH2 on its promoter. <i>Oncotarget</i> , 2018, 9, 15512-15525.	1.8	40
62	Functional Connectome of the Five-Factor Model of Personality. <i>Personality Neuroscience</i> , 2018, 1, .	1.6	40
63	Two-level diagnostic classification using cerebrospinal fluid YKL40 in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2017, 13, 993-1003.	0.8	39
64	Transcranial magnetic stimulation in heterogeneous brain tissue: Clinical impact on focality, reproducibility and true sham stimulation. <i>Journal of Psychiatric Research</i> , 2009, 43, 255-264.	3.1	38
65	Differences in Gaussian diffusion tensor imaging and non-Gaussian diffusion kurtosis imaging model-based estimates of diffusion tensor invariants in the human brain. <i>Medical Physics</i> , 2016, 43, 2464-2475.	3.0	36
66	Resting state fMRI regional homogeneity correlates with cognition measures in subcortical vascular cognitive impairment. <i>Journal of the Neurological Sciences</i> , 2017, 373, 1-6.	0.6	36
67	E3 Ligase RNF126 Directly Ubiquitinates Frataxin, Promoting Its Degradation: Identification of a Potential Therapeutic Target for Friedreich Ataxia. <i>Cell Reports</i> , 2017, 18, 2007-2017.	6.4	35
68	Cerebrospinal Fluid Neurogranin as a Biomarker of Neurodegenerative Diseases: A Cross-Sectional Study. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 1327-1334.	2.6	35
69	Oxytocin actions within the supraoptic and paraventricular nuclei: differential effects on peripheral and intranuclear vasopressin release. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R29-R36.	1.8	34
70	Evolving Evidence for the Value of Neuroimaging Methods and Biological Markers in Subjects Categorized with Subjective Cognitive Decline. <i>Journal of Alzheimer's Disease</i> , 2015, 48, S171-S191.	2.6	34
71	Progression of Microstructural Damage in Spinocerebellar Ataxia Type 2: A Longitudinal DTI Study. <i>American Journal of Neuroradiology</i> , 2015, 36, 1096-1101.	2.4	34
72	Uncovering brain's "heart" information through advanced signal and image processing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20160020.	3.4	34

#	ARTICLE	IF	CITATIONS
73	A Multi-modal Convolutional Neural Network Framework for the Prediction of Alzheimer's Disease. , 2018, 2018, 1271-1274.		34
74	Imaging Epigenetics in Alzheimer's Disease. Current Pharmaceutical Design, 2013, 19, 6393-6415.	1.9	33
75	Basal Forebrain Volume, but Not Hippocampal Volume, Is a Predictor of Global Cognitive Decline in Patients With Alzheimer's Disease Treated With Cholinesterase Inhibitors. Frontiers in Neurology, 2018, 9, 642.	2.4	32
76	Multivariate Granger causality unveils directed parietal to prefrontal cortex connectivity during task-free MRI. Scientific Reports, 2018, 8, 5571.	3.3	32
77	Children With Autism Spectrum Disorder and Their Mothers Share Abnormal Expression of Selected Endogenous Retroviruses Families and Cytokines. Frontiers in Immunology, 2019, 10, 2244.	4.8	32
78	Novel insights into breast cancer progression and metastasis: A multidisciplinary opportunity to transition from biology to clinical oncology. Biochimica Et Biophysica Acta: Reviews on Cancer, 2019, 1872, 138-148.	7.4	31
79	In vivo Probabilistic Structural Atlas of the Inferior and Superior Colliculi, Medial and Lateral Geniculate Nuclei and Superior Olivary Complex in Humans Based on 7 Tesla MRI. Frontiers in Neuroscience, 2019, 13, 764.	2.8	31
80	Structural connectome and connectivity lateralization of the multimodal vestibular cortical network. NeuroImage, 2020, 222, 117247.	4.2	31
81	Dimensions of emotionality in a rat model of innate anxiety. Behavioral Neuroscience, 2001, 115, 429-36.	1.2	31
82	The transcriptome and miRNome profiling of glioblastoma tissues and peritumoral regions highlights molecular pathways shared by tumors and surrounding areas and reveals differences between short-term and long-term survivors. Oncotarget, 2015, 6, 22526-22552.	1.8	30
83	Deep computational pathology in breast cancer. Seminars in Cancer Biology, 2021, 72, 226-237.	9.6	30
84	Physical Exercise and Alzheimer's Disease: Effects on Pathophysiological Molecular Pathways of the Disease. International Journal of Molecular Sciences, 2021, 22, 2897.	4.1	30
85	Prediction of Impaired Performance in Trail Making Test in MCI Patients With Small Vessel Disease Using DTI Data. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1026-1033.	6.3	27
86	Evidence of early microstructural white matter abnormalities in multiple sclerosis from multi-shell diffusion MRI. NeuroImage: Clinical, 2019, 22, 101699.	2.7	27
87	Thymosin Alpha 1 Mitigates Cytokine Storm in Blood Cells From Coronavirus Disease 2019 Patients. Open Forum Infectious Diseases, 2021, 8, ofaa588.	0.9	27
88	Technical Note: DTI measurements of fractional anisotropy and mean diffusivity at 1.5 T: Comparison of two radiofrequency head coils with different functional designs and sensitivities. Medical Physics, 2011, 38, 3205-3211.	3.0	26
89	On the use of trace-weighted images in body diffusional kurtosis imaging. Magnetic Resonance Imaging, 2016, 34, 502-507.	1.8	26
90	Assessment of spontaneous cardiovascular oscillations in Parkinson's disease. Biomedical Signal Processing and Control, 2016, 26, 80-89.	5.7	26

#	ARTICLE	IF	CITATIONS
91	Neuroinflammation in Neurodegenerative Diseases: Current Multi-modal Imaging Studies and Future Opportunities for Hybrid PET/MRI. <i>Neuroscience</i> , 2019, 403, 125-135.	2.3	26
92	Regional Cerebral Disease Progression in Friedreich's Ataxia: A Longitudinal Diffusion Tensor Imaging Study. <i>Journal of Neuroimaging</i> , 2016, 26, 197-200.	2.0	25
93	Is neuroticism differentially associated with risk of Alzheimer's disease, vascular dementia, and frontotemporal dementia?. <i>Journal of Psychiatric Research</i> , 2021, 138, 34-40.	3.1	25
94	MR Scanner Systems Should Be Adequately Characterized in Diffusion-MRI of the Breast. <i>PLoS ONE</i> , 2014, 9, e86280.	2.5	25
95	Baroreflex sensitivity variations in response to propofol anesthesia: comparison between normotensive and hypertensive patients. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 417-426.	1.6	24
96	Primary Open Angle Glaucoma Is Associated With Functional Brain Network Reorganization. <i>Frontiers in Neurology</i> , 2019, 10, 1134.	2.4	24
97	Cortical and phase rim lesions on 7 T MRI as markers of multiple sclerosis disease progression. <i>Brain Communications</i> , 2021, 3, fcab134.	3.3	24
98	Thalamic neuroinflammation as a reproducible and discriminating signature for chronic low back pain. <i>Pain</i> , 2021, 162, 1241-1249.	4.2	24
99	Diffusion Kurtosis and Diffusion-Tensor MR Imaging in Parkinson Disease. <i>Radiology</i> , 2012, 265, 645-646.	7.3	23
100	The "Peeking" Effect in Supervised Feature Selection on Diffusion Tensor Imaging Data. <i>American Journal of Neuroradiology</i> , 2013, 34, E107-E107.	2.4	23
101	Multishell diffusion imaging reveals sex-specific trajectories of early white matter degeneration in normal aging. <i>Neurobiology of Aging</i> , 2020, 86, 191-200.	3.1	23
102	Biomarker-guided classification scheme of neurodegenerative diseases. <i>Journal of Sport and Health Science</i> , 2016, 5, 383-387.	6.5	22
103	Plaque calcification is driven by different mechanisms of mineralization associated with specific cardiovascular risk factors. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019, 29, 1330-1336.	2.6	22
104	Central modulation of parasympathetic outflow is impaired in de novo Parkinson's disease patients. <i>PLoS ONE</i> , 2019, 14, e0210324.	2.5	22
105	Sleep quality relates to emotional reactivity via intracortical myelination. <i>Sleep</i> , 2021, 44, .	1.1	22
106	Neuroticism and Risk of Parkinson's Disease: A Meta-Analysis. <i>Movement Disorders</i> , 2021, 36, 1863-1870.	3.9	22
107	Combining Diagnostic Imaging and Pathology for Improving Diagnosis and Prognosis of Cancer. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-10.	0.8	21
108	Intra-cortical myelin mediates personality differences. <i>Journal of Personality</i> , 2019, 87, 889-902.	3.2	21

#	ARTICLE	IF	CITATIONS
109	Effect of Alzheimer's disease risk and protective factors on cognitive trajectories in subjective memory complainers: An INSIGHT-AD study. <i>Alzheimer's and Dementia</i> , 2018, 14, 1126-1136.	0.8	20
110	Drug repositioning screening identifies etravirine as a potential therapeutic for friedreich's ataxia. <i>Movement Disorders</i> , 2019, 34, 323-334.	3.9	20
111	A deep graph neural network architecture for modelling spatio-temporal dynamics in resting-state functional MRI data. <i>Medical Image Analysis</i> , 2022, 79, 102471.	11.6	20
112	Reorganization of the structural connectome in primary open angle Glaucoma. <i>NeuroImage: Clinical</i> , 2020, 28, 102419.	2.7	19
113	Kinematic and Diffusion Tensor Imaging Definition of Familial Marcus Gunn Jaw-Winking Synkinesis. <i>PLoS ONE</i> , 2012, 7, e51749.	2.5	18
114	An Ad Hoc Random Initialization Deep Neural Network Architecture for Discriminating Malignant Breast Cancer Lesions in Mammographic Images. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-9.	0.8	18
115	Diffusional Kurtosis Imaging of White Matter Degeneration in Glaucoma. <i>Journal of Clinical Medicine</i> , 2020, 9, 3122.	2.4	18
116	Association of plasma YKL-40 with brain amyloid- β^2 levels, memory performance, and sex in subjective memory complainers. <i>Neurobiology of Aging</i> , 2020, 96, 22-32.	3.1	18
117	Diffusion tensor imaging in <i>SPG11</i> - and <i>SPG4</i> -linked hereditary spastic paraplegia. <i>International Journal of Neuroscience</i> , 2014, 124, 261-270.	1.6	17
118	The pulsatility volume index: an indicator of cerebrovascular compliance based on fast magnetic resonance imaging of cardiac and respiratory pulsatility. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150184.	3.4	17
119	Spectral Domain Optical Coherence Tomography Assessment of Macular and Optic Nerve Alterations in Patients with Glaucoma and Correlation with Visual Field Index. <i>Journal of Ophthalmology</i> , 2018, 2018, 1-9.	1.3	17
120	Dopamine transporter levels drive striatal responses to apomorphine in Parkinson's disease. <i>Brain and Behavior</i> , 2013, 3, 249-262.	2.2	16
121	DTI-derived indexes of brain WM correlate with cognitive performance in vascular MCI and small-vessel disease. A TBSS study. <i>Brain Imaging and Behavior</i> , 2019, 13, 594-602.	2.1	16
122	β -Secretase1 biological markers for Alzheimer's disease: state-of-art of validation and qualification. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 130.	6.2	16
123	Influence of mRNA Self-Structure on Hybridization: Computational Tools for Antisense Sequence Selection. <i>Methods</i> , 2000, 22, 261-269.	3.8	15
124	Regional Analysis of the Magnetization Transfer Ratio of the Brain in Mild Alzheimer Disease and Amnesic Mild Cognitive Impairment. <i>American Journal of Neuroradiology</i> , 2013, 34, 2098-2104.	2.4	15
125	White matter microstructural damage and depressive symptoms in patients with mild cognitive impairment and cerebral small vessel disease: the VMCI-Tuscany Study. <i>International Journal of Geriatric Psychiatry</i> , 2016, 31, 611-618.	2.7	15
126	Variability and Reproducibility of Directed and Undirected Functional MRI Connectomes in the Human Brain. <i>Entropy</i> , 2019, 21, 661.	2.2	15

#	ARTICLE	IF	CITATIONS
127	Lower Functional Connectivity in Vestibular-Limbic Networks in Individuals With Subclinical Agoraphobia. <i>Frontiers in Neurology</i> , 2019, 10, 874.	2.4	15
128	Mapping the structural organization of the brain in conduct disorder: replication of findings in two independent samples. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 1018-1026.	5.2	14
129	Resting-state brain correlates of instantaneous autonomic outflow. , 2017, 2017, 3325-3328.		13
130	Increased circulating levels of Epidermal Growth Factor-like Domain 7 in pregnant women affected by preeclampsia. <i>Translational Research</i> , 2019, 207, 19-29.	5.0	13
131	Heart Rate Variability Parameters During Psychogenic Non-epileptic Seizures: Comparison Between Patients With Pure PNES and Comorbid Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 713.	2.4	13
132	Infectious disease ward admission positively influences P. jiroveci pneumonia (PjP) outcome: A retrospective analysis of 116 HIV-positive and HIV-negative immunocompromised patients. <i>PLoS ONE</i> , 2017, 12, e0176881.	2.5	13
133	Identification of Mild Alzheimer's Disease through automated classification of structural MRI features. , 2012, 2012, 428-31.		12
134	Early axonal damage in normal appearing white matter in multiple sclerosis: Novel insights from multi-shell diffusion MRI. , 2017, 2017, 3024-3027.		12
135	Blood-Based Biomarker Screening with Agnostic Biological Definitions for an Accurate Diagnosis Within the Dimensional Spectrum of Neurodegenerative Diseases. <i>Methods in Molecular Biology</i> , 2018, 1750, 139-155.	0.9	12
136	Brain MR diffusion tensor imaging in Kennedyâ€™s disease. <i>Neuroradiology Journal</i> , 2015, 28, 126-132.	1.2	11
137	Echo state network models for nonlinear Granger causality. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200256.	3.4	11
138	Evidence for Progressive Microstructural Damage in Early Multiple Sclerosis by Multi-Shell Diffusion Magnetic Resonance Imaging. <i>Neuroscience</i> , 2019, 403, 27-34.	2.3	10
139	Disruption of brain network organization in primary open angle glaucoma. , 2019, 2019, 4338-4341.		10
140	Safety and Efficacy Of Interferon Î³ in Friedreich's Ataxia. <i>Movement Disorders</i> , 2020, 35, 370-371.	3.9	10
141	Patientâ€™clinician brain concordance underlies causal dynamics in nonverbal communication and negative affective expressivity. <i>Translational Psychiatry</i> , 2022, 12, 44.	4.8	10
142	MODELING OF HUMAN BAROREFLEX: CONSIDERATIONS ON THE SEIDELâ€™HERZEL MODEL. <i>Fluctuation and Noise Letters</i> , 2012, 11, 1240017.	1.5	9
143	Gender, ageâ€™related, and regional differences of the magnetization transfer ratio of the cortical and subcortical brain gray matter. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 40, 360-366.	3.4	9
144	Brain imaging in glaucoma from clinical studies to clinical practice. <i>Progress in Brain Research</i> , 2015, 221, 159-175.	1.4	9

#	ARTICLE	IF	CITATIONS
145	Prediction of postoperative outcomes using intraoperative hemodynamic monitoring data. Scientific Reports, 2017, 7, 16376.	3.3	9
146	Brain networks reorganization and functional disability in glaucoma. Progress in Brain Research, 2020, 257, 65-76.	1.4	9
147	The role of intraoperative stroke volume variation on bleeding during functional endoscopic sinus surgery. Minerva Anestesiologica, 2018, 84, 1246-1253.	1.0	8
148	Carotid Artery Stent Placement and Carotid Endarterectomy: A Challenge for Urgent Treatment after Stroke—Early and 12-Month Outcomes in a Comprehensive Stroke Center. Journal of Vascular and Interventional Radiology, 2018, 29, 1254-1261.e2.	0.5	8
149	Selection of anterior circulation acute stroke patients for mechanical thrombectomy. Journal of Neurology, 2019, 266, 2620-2628.	3.6	8
150	Time-resolved connectome of the five-factor model of personality. Scientific Reports, 2019, 9, 15066.	3.3	8
151	Non-Invasive Detection of Mechanical Alternans Utilizing Photoplethysmography. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2409-2416.	6.3	8
152	White matter microstructure of the extended limbic system in male and female youth with conduct disorder. Psychological Medicine, 2020, 50, 58-67.	4.5	8
153	A Body Tracking-Based Low-Cost Solution for Monitoring Workers's Hygiene Best Practices during Pandemics. Sensors, 2020, 20, 6149.	3.8	8
154	Frataxin deficiency in Friedreich's ataxia is associated with reduced levels of HAX-1, a regulator of cardiomyocyte death and survival. Human Molecular Genetics, 2020, 29, 471-482.	2.9	8
155	Differential response of peripheral arterial compliance-related indices to a vasoconstrictive stimulus. Physiological Measurement, 2009, 30, 81-100.	2.1	7
156	Cerebral Multishell Diffusion Imaging Parameters are Associated with Blood Biomarkers of Disease Severity in HIV Infection. Journal of Neuroimaging, 2019, 29, 771-778.	2.0	7
157	Unsupervised stratification in neuroimaging through deep latent embeddings. , 2020, 2020, 1568-1571.		7
158	Sensitivity of Neuroimaging Indicators in Monitoring the Effects of Interferon Gamma Treatment in Friedreich's Ataxia. Frontiers in Neuroscience, 2020, 14, 872.	2.8	7
159	Global and local brain connectivity changes associated with sudden unilateral sensorineural hearing loss. NMR in Biomedicine, 2021, 34, e4544.	2.8	7
160	Precision medicine in breast cancer: From biological imaging to artificial intelligence. Seminars in Cancer Biology, 2021, 72, 1-3.	9.6	7
161	Multimodal MRI classification in vascular mild cognitive impairment. , 2015, 2015, 4278-81.		6
162	Can Serum Cystatin C predict long-term survival in cardiac surgery patients?. Aging, 2018, 10, 425-433.	3.1	6

#	ARTICLE	IF	CITATIONS
163	Whole brain in vivo axonal diameter mapping in multiple sclerosis. , 2019, 2019, 204-207.		6
164	Magnetic Resonance Methods for Focused Ultrasound-Induced Blood-Brain Barrier Opening. Frontiers in Physics, 2020, 8, .	2.1	6
165	Functional brain network reorganization in HIV infection. Journal of Neuroimaging, 2021, 31, 796-808.	2.0	6
166	Predicting seizures in untreated temporal lobe epilepsy using point-process nonlinear models of heartbeat dynamics. , 2016, 2016, 985-988.		5
167	Recurrent neural networks for reconstructing complex directed brain connectivity. , 2019, 2019, 6418-6421.		5
168	A random initialization deep neural network for discriminating malignant breast cancer lesions. , 2019, 2019, 912-915.		5
169	A novel multi-branch architecture for state of the art robust detection of pathological phonocardiograms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200264.	3.4	5
170	Imaging biomarkers for Alzheimer's disease and glaucoma: Current and future practices. Current Opinion in Pharmacology, 2022, 62, 137-144.	3.5	5
171	Intraoperative haemodynamic monitoring: A pilot study on integrated data collection, processing and modelling for extracting vital signs and beyond. , 2010, , .		4
172	Effects of propofol anesthesia induction on the relationship between arterial blood pressure and heart rate. , 2012, 2012, 2835-8.		4
173	Quantifying uncertainty in Transcranial Magnetic Stimulation - A high resolution simulation study in ICBM space. , 2012, 2012, 1218-21.		4
174	Resting-state brain correlates of cardiovascular complexity. , 2017, 2017, 3317-3320.		4
175	A deep spatiotemporal graph learning architecture for brain connectivity analysis. , 2020, 2020, 1120-1123.		4
176	Interventricular coupling coefficients in a thick shell model of passive cardiac chamber deformation. Medical and Biological Engineering and Computing, 2008, 46, 637-648.	2.8	3
177	On the estimation of conventional DTI-derived indices by fitting the non-Gaussian DKI model to diffusion-weighted imaging datasets. Neuroradiology, 2013, 55, 1423-1424.	2.2	3
178	Fluid responsiveness in liver surgery: comparisons of different indices and approaches. Journal of Computational Surgery, 2014, 1, .	0.6	3
179	Forecasting nanoparticle toxicity using nonlinear predictive regressor learning systems. , 2016, 2016, 137-140.		3
180	Reconstructing multivariate causal structure between functional brain networks through a Laguerre-Volterra based Granger causality approach. , 2016, 2016, 5477-5480.		3

#	ARTICLE	IF	CITATIONS
181	Cardiac Autonomic Changes in Epilepsy. , 2017, , 375-386.		3
182	Dynamic inter-network connectivity in the human brain. , 2017, 2017, 3313-3316.		3
183	Simultaneous estimation of the in-mean and in-variance causal connectomes of the human brain. , 2017, 2017, 4371-4374.		3
184	Disruption of brain network organization in patients with human immunodeficiency virus (HIV) infection. , 2020, 2020, 1726-1729.		3
185	A novel Graph Attention Network Architecture for modeling multimodal brain connectivity. , 2020, 2020, 1071-1074.		3
186	Effects of Risk Factors on In Situ Expression of Proinflammatory Markers Correlated to Carotid Plaque Instability. Applied Immunohistochemistry and Molecular Morphology, 2021, Publish Ahead of Print, 741-749.	1.2	3
187	Invasive aspergillosis in relapsed/refractory acute myeloid leukaemia patients: Results from SEIFEM 2016 survey. Mycoses, 2022, 65, 171-177.	4.0	3
188	Intra- and inter-beat modeling of cardiovascular dynamics and control: Assessing haemodynamic stability and responsiveness. , 2011, 2011, 8440-3.		2
189	Dynamical brain connectivity estimation using GARCH models: An application to personality neuroscience. , 2017, 2017, 3305-3308.		2
190	A realistic neuronal network and neurovascular coupling model for the study of multivariate directed connectivity in fMRI data. , 2018, 2018, 5537-5540.		2
191	Global and local reorganization of brain network connectivity in sudden sensorineural hearing loss. , 2020, 2020, 1730-1733.		2
192	Disruption of structural brain networks in Primary Open Angle Glaucoma. , 2020, 2020, 1705-1708.		2
193	Vapoenucleaci3n prost3tica con l3ser Tulio. 2Es igual de segura y efectiva en pacientes ancianos? An3lisis por puntuaci3n de propensi3n de los resultados funcionales y perioperatorios tempranos. Actas Urol3gicas Espa3olas, 2021, 45, 648-655.	0.7	2
194	Reply to: "œls Conscientiousness Related to the Risk of Parkinson's Disease?" Movement Disorders, 2021, 36, 2216-2216.	3.9	2
195	Advanced computation in cardiovascular physiology: new challenges and opportunities. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200265.	3.4	2
196	Neuroanatomical markers of familial risk in adolescents with conduct disorder and their unaffected relatives. Psychological Medicine, 2021, , 1-11.	4.5	2
197	Is thulium laser vapoenucleation of the prostate equally safe and effective in elderly patients? A propensity score matched analysis of early perioperative and functional outcomes. Actas Urol3gicas Espa3olas (English Edition), 2021, 45, 648-655.	0.2	2
198	Compartmental models for diffusion weighted MRI reveal widespread brain changes in HIV-infected patients. , 2021, 2021, 3834-3837.		2

#	ARTICLE	IF	CITATIONS
199	An interpretable machine learning model to explain the interplay between brain lesions and cortical atrophy in multiple sclerosis. , 2021, 2021, 3757-3760.		2
200	[16] Sequence design and practical implementation of antisense oligonucleotides in neuroendocrinology. Methods in Enzymology, 2000, 314, 223-238.	1.0	1
201	Estimation of baroreflex sensitivity during anesthesia induction with propofol. , 2011, 2011, 3788-91.		1
202	Comparisons of predictors of fluid responsiveness in major surgery. , 2012, 2012, 3128-30.		1
203	Intraoperative hemodynamics predict postoperative mortality in orthotopic liver transplantation. , 2015, 2015, 989-92.		1
204	Lower instantaneous entropy of heartbeat dynamics during seizures in untreated temporal lobe epilepsy. , 2015, , .		1
205	STABILITY AND RESPONSIVENESS OF THE CARDIOVASCULAR SYSTEM UNDER A PHYSIOLOGICALLY INSPIRED BAROREFLEX MODEL. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540014.	0.7	1
206	Brain-heart linear and nonlinear dynamics during visual emotional elicitation in healthy subjects. , 2016, 2016, 5497-5500.		1
207	Low MT ratio in hippocampus of amnesic MCI patients who will progress to AD. Journal of Neurology, 2016, 263, 1024-1026.	3.6	1
208	Estimating directed brain-brain and brain-heart connectivity through globally conditioned Granger causality approaches. , 2017, 2017, 4367-4370.		1
209	P3â€218: NOVEL ALZHEIMER'S DISEASE BIOMARKERâ€GUIDED DIAGNOSTIC WORKFLOW USING THE ADDED VALUE OF SIX COMBINED CEREBROSPINAL FLUID CANDIDATES: AÎ²_{1â€42}, TOTALâ€TAU, PHOSPHORYLATEDâ€TAU, NFL, NEUROGRANIN, AND YKLâ€40. Alzheimer's and Dementia, 2018, 14, P1154.	0.8	1
210	Structural connectome of the human vestibular, pre-motor, and navigation network *. , 2018, 2018, 588-591.		1
211	Imaging Diagnostic and Pathology in the Management of Oncological-Patients. Contrast Media and Molecular Imaging, 2019, 2019, 1-2.	0.8	1
212	A Parsimonious Granger Causality Formulation for Capturing Arbitrarily Long Multivariate Associations. Entropy, 2019, 21, 629.	2.2	1
213	A novel approach for geographical risk mapping of morbidity and mortality rates: the case of Val Dâ€™Agri, Italy. Scientific Reports, 2019, 9, 10348.	3.3	1
214	A Machine Learning Tool for Interpreting Differences in Cognition Using Brain Features. IFIP Advances in Information and Communication Technology, 2019, , 475-486.	0.7	1
215	Reduced betweenness centrality of a sensory-motor vestibular network in subclinical agoraphobia. , 2019, 2019, 4342-4345.		1
216	Detection of abnormal phonocardiograms through the Mel-frequency cepstrum and convolutional neural networks. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
217	COVID-19: contact and gesture monitoring using PROUD Technology. Occupational Medicine, 2020, 70, 334-334.	1.4	1
218	Causal dynamics of patient/clinician facial expression transfer are associated with insula cortex brain-to-brain concordance. Journal of Pain, 2021, 22, 606.	1.4	1
219	Editorial: Magnetic Resonance-Guided Focused Ultrasound: Physical Principles and Biomedical Applications. Frontiers in Physics, 2021, 9, .	2.1	1
220	Detecting Mechanical Alternans Utilizing Photoplethysmography. , 0, , .		1
221	245. Repetitive transcranial magnetic stimulationâ€”evidence for antidepressant-like and neuroprotective effects. Biological Psychiatry, 2000, 47, S74-S75.	1.3	0
222	Investigation of mechanical cardiorespiratory interactions through combined structural and functional modeling. , 2008, , .		0
223	VENTRICULAR INTERACTION AND CARDIAC PATHOLOGIES IN A THICK SHELL MODEL OF CARDIAC CHAMBER DEFORMATION. Journal of Mechanics in Medicine and Biology, 2009, 09, 31-48.	0.7	0
224	Arterial blood pressure regulation following aorta clamping and declamping during surgery. , 2011, 2011, 8428-31.		0
225	Gender, age-related, and regional differences of the magnetization transfer ratio of the cortical and subcortical brain gray matter. Journal of Magnetic Resonance Imaging, 2014, 40, spcone-spcone.	3.4	0
226	Globally conditioned causality in estimating directed brain-heart interactions through joint MRI and RR series analysis. , 2015, 2015, 3795-8.		0
227	Distribution-aware estimation of the minimum achievable uncertainty in diffusion-tensor imaging (DTI). , 2016, 2016, 5541-5544.		0
228	Su1567 Motion Sickness Increases Functional Connectivity Between Visual Motion and Nausea-Associated Brain Regions. Gastroenterology, 2016, 150, S528.	1.3	0
229	[P1â€“028]: DIAGNOSTIC ACCURACY OF CSF NEUROFILAMENT LIGHT CHAIN PROTEIN IN THE UNBIASED BIOMARKERâ€“GUIDED CLASSIFICATION SYSTEM FOR ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13,0.8 P243.		0
230	[P3â€“198]: PREDICTION PERFORMANCE OF ALPHAâ€“SYNUCLEIN PROTEIN IN PRECLINICAL SUBJECTIVE MEMORY COMPLAINERS STRATIFIED BY AD BIOMARKERS: THE INSIGHTâ€“PRE AD STUDY. Alzheimer's and Dementia, 2017, 0.8 13, P1011.		0
231	[P1â€“282]: DIAGNOSTIC ACCURACY OF CSF AÎ²1â€“42, Pâ€“TAU, Tâ€“TAU, NEUROFILAMENT LIGHT CHAIN, NEUROGRANIN, YKLâ€“40 COMBINED BIOMARKERS IN A MULTICENTER COHORT OF COGNITIVELY IMPAIRED PATIENTS. Alzheimer's and Dementia, 2017, 13, P358.	0.8	0
232	[P1â€“287]: DIAGNOSTIC ACCURACY OF CSF NEUROFILAMENT LIGHT CHAIN PROTEIN IN THE UNBIASED BIOMARKERâ€“GUIDED CLASSIFICATION SYSTEM FOR ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13,0.8 P361.		0
233	[P2â€“260]: TWOâ€“LEVEL DIAGNOSTIC CLASSIFICATION USING CEREBROSPINAL FLUID NEUROGRANIN IN ALZHEIMER'S DISEASE. Alzheimer's and Dementia, 2017, 13, P712.	0.8	0
234	[O4â€“02â€“05]: UNBIASED BIOMARKERâ€“BASED CATEGORIZATION OF A MULTICENTER COHORT OF ADD, MCI AND FTD PATIENTS. Alzheimer's and Dementia, 2017, 13, P1231.	0.8	0

#	ARTICLE	IF	CITATIONS
235	251 Extending directed brain connectivity beyond the mean: in-variance causality. Physica Medica, 2018, 56, 216-217.	0.7	0
236	250. A complete computational framework for simulating and inferring directed neuronal coupling under haemodynamic convolution. Physica Medica, 2018, 56, 216.	0.7	0
237	P2â€²37: ASSOCIATION OF CSF ALPHAâ€²SYNUCLEIN AND TAU CONCENTRATIONS WITH AMYLOID MEAN CORTICAL STANDARD UPTAKE VALUE RATIOS IN PRECLINICAL SUBJECTIVE MEMORY COMPLAINERS STRATIFIED BY ALZHEIMER'S DISEASE BIOMARKERS. Alzheimer's and Dementia, 2018, 14, P762.	0.8	0
238	P4â€²186: INNOVATIVE BIOMARKERâ€²GUIDED DIAGNOSTIC SYSTEM FROM PRECLINICAL TO ALZHEIMER'S DISEASE DEMENTIA. Alzheimer's and Dementia, 2018, 14, P1510.	0.8	0
239	Stroke volume variation and intraoperative bleeding during functional endoscopic sinus surgery. Minerva Anestesiologica, 2019, 85, 93-94.	1.0	0
240	Resting State Neural Correlates of Cardiac Sympathetic Dynamics in Healthy Subjects. , 2019, 2019, 4330-4333.		0
241	Altered Autonomic Response in Patients with Persistent Postural-Perceptual Dizziness during Simulated Vertical Self-Motion. , 2020, , .		0
242	Frequency dependent functional brain reorganization in anesthesia is specific to drug concentration. , 2020, 2020, 2921-2924.		0
243	Multidimensional autonomic nervous system profiles relate to psychiatric disturbances, emotion and personality. , 2020, , .		0
244	432. Sex Differences in the Relationship between Conduct Disorder and Cortical Structure in Adolescents. Biological Psychiatry, 2017, 81, S176-S177.	1.3	0
245	Assessment of Instantaneous Heartbeat Dynamics in amnesic Mild Cognitive Impairment. IFMBE Proceedings, 2018, , 366-369.	0.3	0
246	Whole-brain white matter network reorganization in HIV. , 2021, 2021, 3830-3833.		0