

Miguel Castelo Branco

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

376
papers

5,304
citations

34
h-index

55
g-index

451
ext. papers

6,730
ext. citations

4.2
avg, IF

5.88
L-index

#	Paper	IF	Citations
376	Cognitive composites for genetic frontotemporal dementia: GENFI-Cog.. <i>Alzheimer's Research and Therapy</i> , 2022 , 14, 10	9	0
375	The Neurophysiological Impact of Subacute Stroke: Changes in Cortical Oscillations Evoked by Bimanual Finger Movement.. <i>Stroke Research and Treatment</i> , 2022 , 2022, 9772147	1.7	
374	Quality-Aware Cine Cardiac MRI Reconstruction and Analysis from Undersampled K-Space Data. <i>Lecture Notes in Computer Science</i> , 2022 , 12-20	0.9	
373	Sex-Dependent Social and Repetitive Behavior and Neurochemical Profile in Mouse Model of Autism Spectrum Disorder.. <i>Metabolites</i> , 2022 , 12,	5.6	3
372	Parahippocampal deactivation and hyperactivation of central executive, saliency and social cognition networks in autism spectrum disorder.. <i>Journal of Neurodevelopmental Disorders</i> , 2022 , 14, 9	4.6	0
371	Optimizing EEG Source Reconstruction with Concurrent fMRI-Derived Spatial Priors.. <i>Brain Topography</i> , 2022 , 1	4.3	
370	Examining empathy deficits across familial forms of frontotemporal dementia within the GENFI cohort.. <i>Cortex</i> , 2022 , 150, 12-28	3.8	
369	Male sex bias in early and late onset neurodevelopmental disorders: shared aspects and differences in autism spectrum disorder, attention deficit/hyperactivity disorder, and schizophrenia.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 135, 104577	9	2
368	Quality Evaluation of Modern Code Reviews Through Intelligent Biometric Program Comprehension. <i>IEEE Transactions on Software Engineering</i> , 2022 , 1-1	3.5	0
367	An Overview of Emotion in Artificial Intelligence. <i>IEEE Transactions on Artificial Intelligence</i> , 2022 , 1-1	4.7	2
366	A neuronal theta band signature of error monitoring during integration of facial expression cues.. <i>PeerJ</i> , 2022 , 10, e12627	3.1	0
365	Software Bug Detection Causes a Shift From Bottom-Up to Top-Down Effective Connectivity Involving the Insula Within the Error-Monitoring Network.. <i>Frontiers in Human Neuroscience</i> , 2022 , 16, 788272	3.3	
364	Cerebellar morphometric and spectroscopic biomarkers for Machado-Joseph Disease.. <i>Acta Neuropathologica Communications</i> , 2022 , 10, 37	7.3	1
363	Intracranial recordings in humans reveal specific hippocampal spectral and dorsal vs. ventral connectivity signatures during visual, attention and memory tasks.. <i>Scientific Reports</i> , 2022 , 12, 3488	4.9	1
362	Characterization of the Portuguese population diagnosed with retinoblastoma.. <i>Scientific Reports</i> , 2022 , 12, 4378	4.9	
361	Motor Cortex Excitation/Inhibition Imbalance in Young Adults With Autism Spectrum Disorder: A MRS-TMS Approach.. <i>Frontiers in Psychiatry</i> , 2022 , 13, 860448	5	1
360	Classification of Huntington's Disease Stage with Features Derived from Structural and Diffusion-Weighted Imaging. <i>Journal of Personalized Medicine</i> , 2022 , 12, 704	3.6	

359	Transcranial Direct Current Stimulation as an Approach to Mitigate Neurodevelopmental Disorders Affecting Excitation/Inhibition Balance: Focus on Autism Spectrum Disorder, Schizophrenia, and Attention Deficit/Hyperactivity Disorder. <i>Journal of Clinical Medicine</i> , 2022 , 11, 2839	5.1	1
358	The Role of Continuous Theta Burst TMS in the Neurorehabilitation of Subacute Stroke Patients: A Placebo-Controlled Study. <i>Frontiers in Neurology</i> , 2021 , 12, 749798	4.1	1
357	Disrupted Spatial Organization of Cued Exogenous Attention Persists Into Adulthood in Developmental Dyslexia. <i>Frontiers in Psychology</i> , 2021 , 12, 769237	3.4	1
356	Decreased activity of piriform cortex and orbitofrontal hyperactivation in Usher Syndrome, a human disorder of ciliary dysfunction. <i>Brain Imaging and Behavior</i> , 2021 , 1	4.1	
355	A panel of CSF proteins separates genetic frontotemporal dementia from presymptomatic mutation carriers: a GENFI study. <i>Molecular Neurodegeneration</i> , 2021 , 16, 79	19	0
354	Combined Structural MR and Diffusion Tensor Imaging Classify the Presence of Alzheimer's Disease With the Same Performance as MR Combined With Amyloid Positron Emission Tomography: A Data Integration Approach.. <i>Frontiers in Neuroscience</i> , 2021 , 15, 638175	5.1	1
353	A data-driven disease progression model of fluid biomarkers in genetic frontotemporal dementia. <i>Brain</i> , 2021 ,	11.2	3
352	Establishing Orthotopic Xenograft Glioblastoma Models for Use in Preclinical Development. <i>Neuromethods</i> , 2021 , 281-296	0.4	
351	Training the social brain: Clinical and neural effects of an 8-week real-time functional magnetic resonance imaging neurofeedback Phase IIa Clinical Trial in Autism. <i>Autism</i> , 2021 , 25, 1746-1760	6.6	1
350	Successful metabolic control in diabetes type 1 depends on individual neuroeconomic and health risk-taking decision endophenotypes: a new target in personalized care. <i>Psychological Medicine</i> , 2021 , 1-9	6.9	0
349	Social Attention Deficits in Children With Autism Spectrum Disorder: Task Dependence of Objects vs. Faces Observation Bias. <i>Frontiers in Psychiatry</i> , 2021 , 12, 640599	5	1
348	Can EEG Be Adopted as a Neuroscience Reference for Assessing Software Programmers' Cognitive Load?. <i>Sensors</i> , 2021 , 21,	3.8	3
347	Investigating the Spatial Associations Between Amyloid- β Deposition, Grey Matter Volume, and Neuroinflammation in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2021 , 80, 113-132	4.3	0
346	Phase-IIa randomized, double-blind, sham-controlled, parallel group trial on anodal transcranial direct current stimulation (tDCS) over the left and right tempo-parietal junction in autism spectrum disorder-StimAT: study protocol for a clinical trial. <i>Trials</i> , 2021 , 22, 248	2.8	2
345	Automatic classification of idiopathic Parkinson's disease and atypical Parkinsonian syndromes combining [11 C]raclopride PET uptake and MRI grey matter morphometry. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	4
344	Cardiac microcalcification burden: Global assessment in high cardiovascular risk subjects with Na[18 F]F PET-CT. <i>Journal of Nuclear Cardiology</i> , 2021 , 1	2.1	1
343	Longitudinal normative OCT retinal thickness data for wild-type mice, and characterization of changes in the 3Tg-AD mice model of Alzheimer's disease. <i>Aging</i> , 2021 , 13, 9433-9454	5.6	1
342	Structural impairments in hippocampal and occipitotemporal networks specifically contribute to decline in place and face category processing but not to other visual object categories in healthy aging. <i>Brain and Behavior</i> , 2021 , 11, e02127	3.4	2

341	Simultaneous changes in visual acuity, cortical population receptive field size, visual field map size, and retinal thickness in healthy human aging. <i>Brain Structure and Function</i> , 2021 , 226, 2839-2853	4	1
340	Frontoparietal microstructural damage mediates age-dependent working memory decline in face and body information processing: Evidence for dichotomic hemispheric bias mechanisms. <i>Neuropsychologia</i> , 2021 , 151, 107726	3.2	0
339	Intelligent Biofeedback Augmented Content Comprehension (TellBack). <i>IEEE Access</i> , 2021 , 9, 28393-28406	9.5	0
338	A link between synaptic plasticity and reorganization of brain activity in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
337	Effects of anodal multichannel transcranial direct current stimulation (tDCS) on social-cognitive performance in healthy subjects: A randomized sham-controlled crossover pilot study. <i>Progress in Brain Research</i> , 2021 , 264, 259-286	2.9	0
336	Progression of Behavioral Disturbances and Neuropsychiatric Symptoms in Patients With Genetic Frontotemporal Dementia. <i>JAMA Network Open</i> , 2021 , 4, e2030194	10.4	14
335	Protective effects of cognitive and brain reserve in multiple sclerosis: Differential roles on social cognition and 'classic cognition'. <i>Multiple Sclerosis and Related Disorders</i> , 2021 , 48, 102716	4	
334	The dual nature of the BOLD signal: Responses in visual area hMT+ reflect both input properties and perceptual decision. <i>Human Brain Mapping</i> , 2021 , 42, 1920-1929	5.9	1
333	Hypoglycaemic and Antioxidant Properties of (Jacq.) Lodd Ex Mart. Extract Are Associated with Better Vascular Function of Type 2 Diabetic Rats. <i>Nutrients</i> , 2021 , 13,	6.7	2
332	Attentional Cueing and Executive Deficits Revealed by a Virtual Supermarket Task Coupled With Eye-Tracking in Autism Spectrum Disorder. <i>Frontiers in Psychology</i> , 2021 , 12, 671507	3.4	1
331	Reading and Calculation Neural Systems and Their Weighted Adaptive Use for Programming Skills. <i>Neural Plasticity</i> , 2021 , 2021, 5596145	3.3	2
330	A novel morphometric signature of brain alterations in type 2 diabetes: Patterns of changed cortical gyrification. <i>European Journal of Neuroscience</i> , 2021 , 54, 6322-6333	3.5	0
329	A fundamental distinction in early neural processing of implicit social interpretation in schizophrenia and bipolar disorder. <i>NeuroImage: Clinical</i> , 2021 , 32, 102836	5.3	0
328	The Effects of Tryptamine Psychedelics in the Brain: A meta-Analysis of Functional and Review of Molecular Imaging Studies. <i>Frontiers in Pharmacology</i> , 2021 , 12, 739053	5.6	4
327	Differential early subcortical involvement in genetic FTD within the GENFI cohort. <i>NeuroImage: Clinical</i> , 2021 , 30, 102646	5.3	6
326	Disease-related cortical thinning in presymptomatic granulin mutation carriers. <i>NeuroImage: Clinical</i> , 2021 , 29, 102540	5.3	2
325	Neurofibromatosis type 1 2021 , 115-126		
324	Assessing Arousal Through Multimodal Biosignals: A Preliminary Approach. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2021 , 2021, 1508-1511	0.9	

323	Parametric fMRI analysis of videos of variable arousal levels reveals different dorsal vs ventral activation preferences between autism and controls. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2021, 2021, 6412-6415</i>	0.9	
322	Classification of erroneous actions using EEG frequency features: implications for BCI performance. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2021, 2021, 629-632</i>	0.9	
321	Treatment of Advanced Retinoblastoma in Children Evacuated from Low-Income Countries: Experience from a National Referral Center in Portugal.. <i>Clinical Ophthalmology, 2021, 15, 4765-4773</i>	2.5	0
320	The Effect of Tailored Cognitive-Behavioral Therapy for Insomnia on Brain Resting-State Networks. <i>Sleep and Vigilance, 2020, 4, 29-33</i>	1.4	
319	Characterization of the retinal changes of the 3Tg-AD mouse model of Alzheimer's disease. <i>Health and Technology, 2020, 10, 875-883</i>	2.1	1
318	The boundaries of state-space Granger causality analysis applied to BOLD simulated data: A comparative modelling and simulation approach. <i>Journal of Neuroscience Methods, 2020, 341, 108758</i>	3	1
317	Impulsive and premeditated aggression in male offenders with antisocial personality disorder. <i>PLoS ONE, 2020, 15, e0229876</i>	3.7	23
316	Memory and Cognition-Related Neuroplasticity Enhancement by Transcranial Direct Current Stimulation in Rodents: A Systematic Review. <i>Neural Plasticity, 2020, 2020, 4795267</i>	3.3	7
315	Response of the cerebral vasculature to systemic carbon monoxide administration-Regional differences and sexual dimorphism. <i>European Journal of Neuroscience, 2020, 52, 2771-2780</i>	3.5	2
314	Cognition, function and awareness of disease impact in early Parkinson's and Huntington's disease. <i>Disability and Rehabilitation, 2020, 1-19</i>	2.4	2
313	Morphometry and gyrification in bipolar disorder and schizophrenia: A comparative MRI study. <i>NeuroImage: Clinical, 2020, 26, 102220</i>	5.3	5
312	A rat model of enhanced glycation mimics cardiac phenotypic components of human type 2 diabetes : A translational study using MRI. <i>Journal of Diabetes and Its Complications, 2020, 34, 107554</i>	3.2	
311	Pushing the Limits of EEG: Estimation of Large-Scale Functional Brain Networks and Their Dynamics Validated by Simultaneous fMRI. <i>Frontiers in Neuroscience, 2020, 14, 323</i>	5.1	7
310	Virtual Reality Immersion Rescales Regulation of Interpersonal Distance in Controls but not in Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders, 2020, 50, 4317-4328</i>	4.6	6
309	Aortic valve microcalcification and cardiovascular risk: an exploratory study using sodium fluoride in high cardiovascular risk patients. <i>International Journal of Cardiovascular Imaging, 2020, 36, 1593-1598</i>	2.5	2
308	The Effect of Menopause on the Sexual Dimorphism in the Human Retina -Texture Analysis of Optical Coherence Tomography Data. <i>Lecture Notes in Computer Science, 2020, 344-357</i>	0.9	
307	The neurometabolic profiles of GABA and Glutamate as revealed by proton magnetic resonance spectroscopy in type 1 and type 2 diabetes. <i>PLoS ONE, 2020, 15, e0240907</i>	3.7	2
306	The Effect of Multi-Parametric Magnetic Resonance Imaging in Standard of Care for Nonalcoholic Fatty Liver Disease: Protocol for a Randomized Control Trial. <i>JMIR Research Protocols, 2020, 9, e19189</i>	2	2

305	Artificial Intelligence Gamified AAL Solution. <i>IFMBE Proceedings</i> , 2020 , 977-982	0.2	0
304	Investigating Whole-Brain MRI Markers in Multiple Sclerosis [Emerging Dimensions in Morphometric Space. <i>IFMBE Proceedings</i> , 2020 , 1644-1652	0.2	0
303	Characterization of the Retinal Changes of the 3xTg-AD Mouse Model of Alzheimer's Disease. <i>IFMBE Proceedings</i> , 2020 , 1816-1821	0.2	
302	Optimization of a Motor Imagery Paradigm for Self-modulation of Bilateral Premotor Interhemispheric Functional Connectivity in fMRI Neurofeedback. <i>IFMBE Proceedings</i> , 2020 , 1743-1751	0.2	
301	Automatic Segmentation of Ultrasonic Vocalizations in Rodents. <i>IFMBE Proceedings</i> , 2020 , 37-46	0.2	
300	Machine Learning Approaches in OCT: Application to Neurodegenerative Disorders 2020 , 507-521		1
299	Sexual Dimorphism of the Adult Human Retina Assessed by Optical Coherence Tomography. <i>IFMBE Proceedings</i> , 2020 , 1830-1834	0.2	1
298	Social cognition impairment in genetic frontotemporal dementia within the GENFI cohort. <i>Cortex</i> , 2020 , 133, 384-398	3.8	7
297	How much of the BOLD-fMRI signal can be approximated from simultaneous EEG data: relevance for the transfer and dissemination of neurofeedback interventions. <i>Journal of Neural Engineering</i> , 2020 , 17, 046007	5	2
296	Continuous theta burst stimulation increases contralateral mu and beta rhythms with arm elevation: implications for neurorehabilitation. <i>Journal of Neural Transmission</i> , 2020 , 127, 17-25	4.3	4
295	Does Cognitive Behavioral Therapy for Insomnia Change the Brain? A Case Series Study. <i>Sleep and Vigilance</i> , 2020 , 4, 35-42	1.4	
294	Renal artery wall 18F-NaF activity and glomerular filtration rate: an exploratory analysis in a high cardiovascular risk population. <i>Nuclear Medicine Communications</i> , 2020 , 41, 126-132	1.6	4
293	Distinct mechanisms drive hemispheric lateralization of object recognition in the visual word form and fusiform face areas. <i>Brain and Language</i> , 2020 , 210, 104860	2.9	4
292	BCIAUT-P300: A Multi-Session and Multi-Subject Benchmark Dataset on Autism for P300-Based Brain-Computer-Interfaces. <i>Frontiers in Neuroscience</i> , 2020 , 14, 568104	5.1	8
291	Peptide-lipid nanoconstructs act site-specifically towards glioblastoma growth impairment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 155, 177-189	5.7	5
290	Identification of competing neural mechanisms underlying positive and negative perceptual hysteresis in the human visual system. <i>NeuroImage</i> , 2020 , 221, 117153	7.9	2
289	The conscious experience of color constancy and neural responses to subliminal deviations - A behavioral and EEG/ERP oddball study. <i>Consciousness and Cognition</i> , 2020 , 84, 102987	2.6	2
288	Volitional Modulation of the Left DLPFC Neural Activity Based on a Pain Empathy Paradigm-A Potential Novel Therapeutic Target for Pain. <i>Frontiers in Neurology</i> , 2020 , 11, 714	4.1	2

287	Ventral Caudate and Anterior Insula Recruitment During Value Estimation of Passionate Rewarding Cues. <i>Frontiers in Neuroscience</i> , 2020 , 14, 678	5.1	5
286	The role of anterior and posterior insula in male genital response and in visual attention: an exploratory multimodal fMRI study. <i>Scientific Reports</i> , 2020 , 10, 18463	4.9	3
285	The blood-brain barrier is disrupted in Machado-Joseph disease/spinocerebellar ataxia type 3: evidence from transgenic mice and human post-mortem samples. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 152	7.3	9
284	How positive emotional content overrules perceptual history effects: Hysteresis in emotion recognition. <i>Journal of Vision</i> , 2020 , 20, 19	0.4	0
283	The Retinal Inner Plexiform Synaptic Layer Mirrors Grey Matter Thickness of Primary Visual Cortex with Increased Amyloid Load in Early Alzheimer's Disease. <i>Neural Plasticity</i> , 2020 , 2020, 8826087	3.3	3
282	Sexual dimorphism of the adult human retina assessed by optical coherence tomography. <i>Health and Technology</i> , 2020 , 10, 913-924	2.1	1
281	A different vision of translational research in biomarker discovery: a pilot study on circulatory mitochondrial proteins as Parkinson's disease potential biomarkers. <i>Translational Neurodegeneration</i> , 2020 , 9, 11	10.3	3
280	Directly Exploring the Neural Correlates of Feedback-Related Reward Saliency and Valence During Real-Time fMRI-Based Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 578119	3.3	1
279	Pupilligraphy as Indicator of Programmers' Mental Effort and Cognitive Overload 2019 ,		8
278	Biofeedback Augmented Software Engineering: Monitoring of Programmers' Mental Effort 2019 ,		7
277	Association between Adipokines and Biomarkers of Alzheimer's Disease: A Cross-Sectional Study. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 725-735	4.3	7
276	The inner fluctuations of the brain in presymptomatic Frontotemporal Dementia: The chronnectome fingerprint. <i>NeuroImage</i> , 2019 , 189, 645-654	7.9	18
275	Retinal texture biomarkers may help to discriminate between Alzheimer's, Parkinson's, and healthy controls. <i>PLoS ONE</i> , 2019 , 14, e0218826	3.7	24
274	Neural correlates of anticipatory cardiac deceleration and its association with the speed of perceptual decision-making, in young and older adults. <i>NeuroImage</i> , 2019 , 199, 521-533	7.9	7
273	Semi-quantification and grading of amyloid PET: A project of the European Alzheimer's Disease Consortium (EADC). <i>NeuroImage: Clinical</i> , 2019 , 23, 101846	5.3	12
272	Textural information from the retinal nerve fibre layer in multiple sclerosis* 2019 ,		5
271	Evidence for impaired olfactory function and structural brain integrity in a disorder of ciliary function, Usher syndrome. <i>NeuroImage: Clinical</i> , 2019 , 22, 101757	5.3	3
270	Amygdala Modulation During Emotion Regulation Training With fMRI-Based Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 89	3.3	13

269	A longitudinal multimodal in vivo molecular imaging study of the 3xTg-AD mouse model shows progressive early hippocampal and taurine loss. <i>Human Molecular Genetics</i> , 2019 , 28, 2174-2188	5.6	22
268	Neural Responses of the Anterior Ventral Occipitotemporal Cortex in Developmental Dyslexia: Beyond the Visual Word Form Area 2019 , 60, 1063-1068		2
267	Tracking perceptual decision mechanisms through changes in interhemispheric functional connectivity in human visual cortex. <i>Scientific Reports</i> , 2019 , 9, 1242	4.9	1
266	A Novel Ecological Approach Reveals Early Executive Function Impairments in Huntington's Disease. <i>Frontiers in Psychology</i> , 2019 , 10, 585	3.4	4
265	Applying Weightless Neural Networks to a P300-Based Brain-Computer Interface. <i>IFMBE Proceedings</i> , 2019 , 113-117	0.2	3
264	The role of the insula in intuitive expert bug detection in computer code: an fMRI study. <i>Brain Imaging and Behavior</i> , 2019 , 13, 623-637	4.1	19
263	Dietary Glycotoxins Impair Hepatic Lipidemic Profile in Diet-Induced Obese Rats Causing Hepatic Oxidative Stress and Insulin Resistance. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 6362910	6.7	6
262	Enhanced Visual Attentional Modulation in Patients with Inherited Peripheral Retinal Degeneration in the Absence of Cortical Degeneration. <i>Neural Plasticity</i> , 2019 , 2019, 8136354	3.3	2
261	Interplay Between Macular Retinal Changes and White Matter Integrity in Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019 , 70, 723-732	4.3	5
260	Serum neurofilament light chain in genetic frontotemporal dementia: a longitudinal, multicentre cohort study. <i>Lancet Neurology</i> , 2019 , 18, 1103-1111	24.1	68
259	The effect of impulsivity and inhibitory control deficits in the saccadic behavior of premanifest Huntington's disease individuals. <i>Orphanet Journal of Rare Diseases</i> , 2019 , 14, 246	4.2	3
258	Is the Retina a Mirror of the Aging Brain? Aging of Neural Retina Layers and Primary Visual Cortex Across the Lifespan. <i>Frontiers in Aging Neuroscience</i> , 2019 , 11, 360	5.3	11
257	Targeting dynamic facial processing mechanisms in superior temporal sulcus using a novel fMRI neurofeedback target. <i>Neuroscience</i> , 2019 , 406, 97-108	3.9	11
256	Impulsivity across reactive, proactive and cognitive domains in Parkinson's disease on dopaminergic medication: Evidence for multiple domain impairment. <i>PLoS ONE</i> , 2019 , 14, e0210880	3.7	6
255	Spotting Problematic Code Lines using Nonintrusive Programmers' Biofeedback 2019 ,		3
254	Self-Modulation of Premotor Cortex Interhemispheric Connectivity in a Real-Time Functional Magnetic Resonance Imaging Neurofeedback Study Using an Adaptive Approach. <i>Brain Connectivity</i> , 2019 , 9, 662-672	2.7	9
253	Retinal thinning of inner sub-layers is associated with cortical atrophy in a mouse model of Alzheimer's disease: a longitudinal multimodal in vivo study. <i>Alzheimer's Research and Therapy</i> , 2019 , 11, 90	9	16
252	Age-related differences in event-related potentials and pupillary responses in cued reaction time tasks. <i>Neurobiology of Aging</i> , 2019 , 73, 177-189	5.6	4

251	The Retina as a Window or Mirror of the Brain Changes Detected in Alzheimer's Disease: Critical Aspects to Unravel. <i>Molecular Neurobiology</i> , 2019 , 56, 5416-5435	6.2	26
250	Functional network resilience to pathology in presymptomatic genetic frontotemporal dementia. <i>Neurobiology of Aging</i> , 2019 , 77, 169-177	5.6	24
249	Stimulus dependent neural oscillatory patterns show reliable statistical identification of autism spectrum disorder in a face perceptual decision task. <i>Clinical Neurophysiology</i> , 2018 , 129, 981-989	4.3	4
248	A whole brain longitudinal study in the YAC128 mouse model of Huntington's disease shows distinct trajectories of neurochemical, structural connectivity and volumetric changes. <i>Human Molecular Genetics</i> , 2018 , 27, 2125-2137	5.6	12
247	Bilateral versus ipsilesional cortico-subcortical activity patterns in stroke show hemispheric dependence. <i>International Journal of Stroke</i> , 2018 , 1747493018767164	6.3	0
246	High-fat diet induces a neurometabolic state characterized by changes in glutamate and N-acetylaspartate pools associated with early glucose intolerance: An in vivo multimodal MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 757	5.6	11
245	Extraction, selection and comparison of features for an effective automated computer-aided diagnosis of Parkinson's disease based on [I]FP-CIT SPECT images. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 1052-1062	8.8	31
244	Occipital blood-brain barrier permeability is an independent predictor of visual outcome in type 2 diabetes, irrespective of the retinal barrier: A longitudinal study. <i>Journal of Neuroendocrinology</i> , 2018 , 30, e12566	3.8	4
243	Endothelial Progenitor Cells influence acute and subacute stroke hemodynamics. <i>Journal of the Neurological Sciences</i> , 2018 , 385, 119-125	3.2	5
242	The retinal ganglion cell layer predicts normal-appearing white matter tract integrity in multiple sclerosis: A combined diffusion tensor imaging and optical coherence tomography approach. <i>Human Brain Mapping</i> , 2018 , 39, 1712-1720	5.9	5
241	Processing of performance-matched visual object categories: faces and places are related to lower processing load in the frontoparietal executive network than other objects. <i>European Journal of Neuroscience</i> , 2018 , 47, 938-946	3.5	3
240	Beyond fractional anisotropy in amyotrophic lateral sclerosis: the value of mean, axial, and radial diffusivity and its correlation with electrophysiological conductivity changes. <i>Neuroradiology</i> , 2018 , 60, 505-515	3.2	10
239	Visual and ocular motor function in the atypical form of neurodegeneration with brain iron accumulation type I. <i>British Journal of Ophthalmology</i> , 2018 , 102, 102-108	5.5	3
238	Comparison of arterial spin labeling registration strategies in the multi-center GENetic frontotemporal dementia initiative (GENFI). <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 131-140	5.6	32
237	Assessment of atherosclerotic plaque calcification using F18-NaF PET-CT. <i>Journal of Nuclear Cardiology</i> , 2018 , 25, 1733-1741	2.1	14
236	Aquaporin-4 as a New Target against Methamphetamine-Induced Brain Alterations: Focus on the Neurogliovascular Unit and Motivational Behavior. <i>Molecular Neurobiology</i> , 2018 , 55, 2056-2069	6.2	16
235	The Use of Repetitive Transcranial Magnetic Stimulation for Stroke Rehabilitation: A Systematic Review. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018 , 27, 1-31	2.8	66
234	Unisensory and multisensory Self-referential stimulation of the lower limb: An exploratory fMRI study on healthy subjects. <i>Physiotherapy Theory and Practice</i> , 2018 , 34, 22-40	1.5	1

233	A Feasibility Clinical Trial to Improve Social Attention in Autistic Spectrum Disorder (ASD) Using a Brain Computer Interface. <i>Frontiers in Neuroscience</i> , 2018 , 12, 477	5.1	29
232	Repeated Mesenchymal Stromal Cell Treatment Sustainably Alleviates Machado-Joseph Disease. <i>Molecular Therapy</i> , 2018 , 26, 2131-2151	11.7	15
231	Oscillatory motor patterning is impaired in neurofibromatosis type 1: a behavioural, EEG and fMRI study. <i>Journal of Neurodevelopmental Disorders</i> , 2018 , 10, 11	4.6	2
230	The role of Prefrontal Cortex in a Battle of the Sexes Dilemma involving a Conflict between Tribal and Romantic love. <i>Scientific Reports</i> , 2018 , 8, 12133	4.9	5
229	Insomnia Disorder and Brain's Default-Mode Network. <i>Current Neurology and Neuroscience Reports</i> , 2018 , 18, 45	6.6	26
228	Virtual Travel Training for Autism Spectrum Disorder: Proof-of-Concept Interventional Study. <i>JMIR Serious Games</i> , 2018 , 6, e5	3.4	32
227	Non-invasive and allele-specific gene silencing therapy for Machado-Joseph disease. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, OR24-4	0	
226	Self-Referential Dysfunction and Default-Mode Hyperactivation in Psychophysiological Insomnia Patients. <i>Journal of Psychophysiology</i> , 2018 , 32, 140-155	1	7
225	Medial Frontal Lobe Neurochemistry in Autism Spectrum Disorder is Marked by Reduced N-Acetylaspartate and Unchanged Gamma-Aminobutyric Acid and Glutamate + Glutamine Levels. <i>Journal of Autism and Developmental Disorders</i> , 2018 , 48, 1467-1482	4.6	15
224	Endothelial progenitor cells enhance blood-brain barrier permeability in subacute stroke. <i>Neurology</i> , 2018 , 90, e127-e134	6.5	13
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