

Miguel Castelo Branco

List of Publications by Citations

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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	Synchronization of visual responses between the cortex, lateral geniculate nucleus, and retina in the anesthetized cat. <i>Journal of Neuroscience</i> , 1998 , 18, 6395-410	6.6	283
375	Neural synchrony correlates with surface segregation rules. <i>Nature</i> , 2000 , 405, 685-9	50.4	163
374	Activity patterns in human motion-sensitive areas depend on the interpretation of global motion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13914-9	11.5	112
373	Statistical spatial filtering for a P300-based BCI: tests in able-bodied, and patients with cerebral palsy and amyotrophic lateral sclerosis. <i>Journal of Neuroscience Methods</i> , 2011 , 195, 270-81	3	97
372	Pharmacist interventions to enhance blood pressure control and adherence to antihypertensive therapy: Review and meta-analysis. <i>American Journal of Health-System Pharmacy</i> , 2011 , 68, 241-53	2.2	97
371	Independent patterns of damage within magno-, parvo- and koniocellular pathways in Parkinson's disease. <i>Brain</i> , 2005 , 128, 2260-71	11.2	95
370	Pittsburgh compound B imaging and cerebrospinal fluid amyloid- β in a multicentre European memory clinic study. <i>Brain</i> , 2016 , 139, 2540-53	11.2	93
369	Addressing a Paradox: Dual Strategies for Creative Performance in Introspective and Extrospective Networks. <i>Cerebral Cortex</i> , 2016 , 26, 3052-63	5.1	85
368	Pharmacist intervention program to enhance hypertension control: a randomised controlled trial. <i>International Journal of Clinical Pharmacy</i> , 2011 , 33, 132-40	2.3	81
367	Usefulness of measurement of fibrinogen, D-dimer, D-dimer/fibrinogen ratio, C reactive protein and erythrocyte sedimentation rate to assess the pathophysiology and mechanism of ischaemic stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011 , 82, 986-92	5.5	74
366	Comparison of a row-column speller vs. a novel lateral single-character speller: assessment of BCI for severe motor disabled patients. <i>Clinical Neurophysiology</i> , 2012 , 123, 1168-81	4.3	73
365	Brightness induction: rate enhancement and neuronal synchronization as complementary codes. <i>Neuron</i> , 2006 , 52, 1073-83	13.9	71
364	Serum neurofilament light chain in genetic frontotemporal dementia: a longitudinal, multicentre cohort study. <i>Lancet Neurology, The</i> , 2019 , 18, 1103-1111	24.1	68
363	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
362	Evidence accumulation in obsessive-compulsive disorder: the role of uncertainty and monetary reward on perceptual decision-making thresholds. <i>Neuropsychopharmacology</i> , 2015 , 40, 1192-202	8.7	64
361	Synchronous oscillations in the cat retina. <i>Vision Research</i> , 1999 , 39, 2485-97	2.1	64
360	Imbalance in habitual versus goal directed neural systems during symptom provocation in obsessive-compulsive disorder. <i>Brain</i> , 2015 , 138, 798-811	11.2	58

359	Atherosclerotic plaque metabolism in high cardiovascular risk subjects - A subclinical atherosclerosis imaging study with F-NaF PET-CT. <i>Atherosclerosis</i> , 2017 , 260, 41-46	3.1	56
358	A Realistic Seizure Prediction Study Based on Multiclass SVM. <i>International Journal of Neural Systems</i> , 2017 , 27, 1750006	6.2	53
357	Neuroretinal dysfunction with intact blood-retinal barrier and absent vasculopathy in type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 3926-37	0.9	47
356	Retinal and cortical patterns of spatial anisotropy in contrast sensitivity tasks. <i>Vision Research</i> , 2008 , 48, 127-35	2.1	45
355	Simultaneous comparison of relative damage to chromatic pathways in ocular hypertension and glaucoma: correlation with clinical measures. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 499-505		43
354	Impairment of social cognition in multiple sclerosis: Amygdala atrophy is the main predictor. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 1358-1366	5	42
353	A novel Brain Computer Interface for classification of social joint attention in autism and comparison of 3 experimental setups: A feasibility study. <i>Journal of Neuroscience Methods</i> , 2017 , 290, 105-115	3	42
352	Genetic gains and losses in oral squamous cell carcinoma: impact on clinical management. <i>Cellular Oncology (Dordrecht)</i> , 2014 , 37, 29-39	7.2	39
351	GABA deficit in the visual cortex of patients with neurofibromatosis type 1: genotype-phenotype correlations and functional impact. <i>Brain</i> , 2013 , 136, 918-25	11.2	39
350	Computer-aided diagnosis of Parkinson's disease based on [(123)I]FP-CIT SPECT binding potential images, using the voxels-as-features approach and support vector machines. <i>Journal of Neural Engineering</i> , 2015 , 12, 026008	5	38
349	Visual P300-based BCI to steer a wheelchair: a Bayesian 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> , 2008 , 2008, 658-61	0.9	38
348	Functional magnetic resonance imaging to assess neuroadaptation to multifocal intraocular lenses. <i>Journal of Cataract and Refractive Surgery</i> , 2017 , 43, 1287-1296	2.3	36
347	The role of the basal ganglia in implicit contextual learning: a study of Parkinson's disease. <i>Neuropsychologia</i> , 2009 , 47, 1269-73	3.2	36
346	ICA decomposition of EEG signal for fMRI processing in epilepsy. <i>Human Brain Mapping</i> , 2009 , 30, 2986-96	9	36
345	Early disrupted neurovascular coupling and changed event level hemodynamic response function in type 2 diabetes: an fMRI study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1671-80	7.3	34
344	The Distinct Role of the Amygdala, Superior Colliculus and Pulvinar in Processing of Central and Peripheral Snakes. <i>PLoS ONE</i> , 2015 , 10, e0129949	3.7	34
343	Plasticity in the human visual cortex: an ophthalmology-based perspective. <i>BioMed Research International</i> , 2013 , 2013, 568354	3	34
342	Playing Tetris with non-invasive BCI 2011 ,		34

341	Testing the excitation/inhibition imbalance hypothesis in a mouse model of the autism spectrum disorder: in vivo neurospectroscopy and molecular evidence for regional phenotypes. <i>Molecular Autism</i> , 2017 , 8, 47	6.5	33
340	Abnormal brain activation in neurofibromatosis type 1: a link between visual processing and the default mode network. <i>PLoS ONE</i> , 2012 , 7, e38785	3.7	33
339	Radial asymmetries in population receptive field size and cortical magnification factor in early visual cortex. <i>NeuroImage</i> , 2018 , 167, 41-52	7.9	33
338	Disconnection as a mechanism for social cognition impairment in multiple sclerosis. <i>Neurology</i> , 2017 , 89, 38-45	6.5	32
337	Abnormal relationship between GABA, neurophysiology and impulsive behavior in neurofibromatosis type 1. <i>Cortex</i> , 2015 , 64, 194-208	3.8	32
336	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
335	The dual facet of gamma oscillations: separate visual and decision making circuits as revealed by simultaneous EEG/fMRI. <i>Human Brain Mapping</i> , 2014 , 35, 5219-35	5.9	32
334	Modeling epileptic brain states using EEG spectral analysis and topographic mapping. <i>Journal of Neuroscience Methods</i> , 2012 , 210, 220-9	3	32
333	Virtual Travel Training for Autism Spectrum Disorder: Proof-of-Concept Interventional Study. <i>JMIR Serious Games</i> , 2018 , 6, e5	3.4	32
332	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
331	Triplication of DYRK1A causes retinal structural and functional alterations in Down syndrome. <i>Human Molecular Genetics</i> , 2013 , 22, 2775-84	5.6	31
330	Albumin level and stroke. Potential association between lower albumin level and cardioembolic aetiology. <i>International Journal of Neuroscience</i> , 2011 , 121, 25-32	2	31
329	Feed-forward synchronization: propagation of temporal patterns along the retinohalamocortical pathway. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002 , 357, 1869-76	5.8	31
328	Retinoic acid-loaded polymeric nanoparticles enhance vascular regulation of neural stem cell survival and differentiation after ischaemia. <i>Nanoscale</i> , 2016 , 8, 8126-37	7.7	31
327	Gyrification, cortical and subcortical morphometry in neurofibromatosis type 1: an uneven profile of developmental abnormalities. <i>Journal of Neurodevelopmental Disorders</i> , 2013 , 5, 3	4.6	30
326	Methylglyoxal-induced glycation changes adipose tissue vascular architecture, flow and expansion, leading to insulin resistance. <i>Scientific Reports</i> , 2017 , 7, 1698	4.9	30
325	A direct comparison of local-global integration in autism and other developmental disorders: implications for the central coherence hypothesis. <i>PLoS ONE</i> , 2012 , 7, e39351	3.7	30
324	The outcome of elderly patients with cognitive complaints but normal neuropsychological tests. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 137-45	4.3	30

323	The Role of the Amygdala in Facial Trustworthiness Processing: A Systematic Review and Meta-Analyses of fMRI Studies. <i>PLoS ONE</i> , 2016 , 11, e0167276	3.7	30
322	Primary visual cortical remapping in patients with inherited peripheral retinal degeneration. <i>NeuroImage: Clinical</i> , 2017 , 13, 428-438	5.3	29
321	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
320	Evidence of widespread retinal dysfunction in patients with stargardt disease and morphologically unaffected carrier relatives. <i>Investigative Ophthalmology and Visual Science</i> , 2008 , 49, 1191-9		29
319	Functional Magnetic Resonance Imaging to Assess the Neurobehavioral Impact of Dysphotopsia with Multifocal Intraocular Lenses. <i>Ophthalmology</i> , 2017 , 124, 1280-1289	7.3	28
318	Multivariate pattern analysis reveals subtle brain anomalies relevant to the cognitive phenotype in neurofibromatosis type 1. <i>Human Brain Mapping</i> , 2014 , 35, 89-106	5.9	28
317	A Bayesian framework for active artificial perception. <i>IEEE Transactions on Cybernetics</i> , 2013 , 43, 699-711	10.2	28
316	Asymmetry of visual sensory mechanisms: electrophysiological, structural, and psychophysical evidences. <i>Journal of Vision</i> , 2010 , 10, 26	0.4	28
315	Impaired processing of 3D motion-defined faces in mild cognitive impairment and healthy aging: an fMRI study. <i>Cerebral Cortex</i> , 2013 , 23, 2489-99	5.1	27
314	Insomnia Disorder and Brain's Default-Mode Network. <i>Current Neurology and Neuroscience Reports</i> , 2018 , 18, 45	6.6	26
313	Visual phenotype in Williams-Beuren syndrome challenges magnocellular theories explaining human neurodevelopmental visual cortical disorders. <i>Journal of Clinical Investigation</i> , 2007 , 117, 3720-9	15.9	26
312	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
311	Motion integration deficits are independent of magnocellular impairment in Parkinson's disease. <i>Neuropsychologia</i> , 2009 , 47, 314-20	3.2	25
310	mHealth in Urology: A Review of Experts' Involvement in App Development. <i>PLoS ONE</i> , 2015 , 10, e0125547	3.7	25
309	Expert Involvement Predicts mHealth App Downloads: Multivariate Regression Analysis of Urology Apps. <i>JMIR MHealth and UHealth</i> , 2016 , 4, e86	5.5	25
308	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
307	Functional parcellation of the operculo-insular cortex in perceptual decision making: an fMRI study. <i>Neuropsychologia</i> , 2012 , 50, 3693-701	3.2	24
306	To perceive or not perceive: the role of gamma-band activity in signaling object percepts. <i>PLoS ONE</i> , 2013 , 8, e66363	3.7	24

305	Visual magnocellular and structure from motion perceptual deficits in a neurodevelopmental model of dorsal stream function. <i>Cognitive Brain Research</i> , 2005 , 25, 788-98		24
304	Anterior/posterior competitive deactivation/activation dichotomy in the human hippocampus as revealed by a 3D navigation task. <i>PLoS ONE</i> , 2014 , 9, e86213	3.7	24
303	Functional network resilience to pathology in presymptomatic genetic frontotemporal dementia. <i>Neurobiology of Aging</i> , 2019 , 77, 169-177	5.6	24
302	Default-mode network activity and its role in comprehension and management of psychophysiological insomnia: A new perspective. <i>New Ideas in Psychology</i> , 2015 , 36, 30-37	2.5	23
301	Impulsive and premeditated aggression in male offenders with antisocial personality disorder. <i>PLoS ONE</i> , 2020 , 15, e0229876	3.7	23
300	Comparison of visual function after bilateral implantation of inferior sector-shaped near-addition and diffractive-refractive multifocal IOLs. <i>Journal of Cataract and Refractive Surgery</i> , 2013 , 39, 1653-9	2.3	23
299	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
298	A serious game with virtual reality for travel training with Autism Spectrum Disorder 2015 ,		22
297	Obsessive-compulsive disorder as a visual processing impairment. <i>Medical Hypotheses</i> , 2010 , 74, 107-9	3.8	21
296	Specific retinotopically based magnocellular impairment in a patient with medial visual dorsal stream damage. <i>Neuropsychologia</i> , 2006 , 44, 238-53	3.2	21
295	Left atrial dysfunction in type 2 diabetes mellitus: insights from cardiac MRI. <i>European Radiology</i> , 2014 , 24, 2669-76	8	20
294	Quantitative evaluation of visual function 12 months after bilateral implantation of a diffractive trifocal IOL. <i>European Journal of Ophthalmology</i> , 2015 , 25, 516-24	1.9	20
293	The role of peripheral vision in implicit contextual cuing. <i>Perception & Psychophysics</i> , 2009 , 71, 76-81		20
292	ABCA4 mutations in Portuguese Stargardt patients: identification of new mutations and their phenotypic analysis. <i>Molecular Vision</i> , 2009 , 15, 584-91	2.3	20
291	Activation of Neuropeptide Y Receptors Modulates Retinal Ganglion Cell Physiology and Exerts Neuroprotective Actions In Vitro. <i>ASN Neuro</i> , 2015 , 7,	5.3	19
290	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
289	The inner fluctuations of the brain in presymptomatic Frontotemporal Dementia: The chronnectome fingerprint. <i>NeuroImage</i> , 2019 , 189, 645-654	7.9	18
288	Optic Disc Localization in Retinal Images Based on Cumulative Sum Fields. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 574-85	7.2	18

287	Compliance and enforcement of a partial smoking ban in Lisbon taxis: an exploratory cross-sectional study. <i>BMC Public Health</i> , 2013 , 13, 134	4.1	18
286	Long term cortical plasticity in visual retinotopic areas in humans with silent retinal ganglion cell loss. <i>NeuroImage</i> , 2013 , 81, 222-230	7.9	18
285	A hierarchical Bayesian framework for multimodal active perception. <i>Adaptive Behavior</i> , 2012 , 20, 172-190		18
284	WAP: Understanding the Brain at Software Debugging 2016 ,		18
283	Processing of Facial Expressions in Autism: a Systematic Review of EEG/ERP Evidence. <i>Review Journal of Autism and Developmental Disorders</i> , 2017 , 4, 255-276	3.4	17
282	Synthesis of a new ¹⁸ F labeled porphyrin for potential application in positron emission tomography. In vivo imaging and cellular uptake. <i>RSC Advances</i> , 2015 , 5, 99540-99546	3.7	17
281	Aging of low and high level vision: from chromatic and achromatic contrast sensitivity to local and 3D object motion perception. <i>PLoS ONE</i> , 2013 , 8, e55348	3.7	17
280	Object based implicit contextual learning: a study of eye movements. <i>Attention, Perception, and Psychophysics</i> , 2011 , 73, 297-302	2	17
279	Type of featural attention differentially modulates hMT+ responses to illusory motion aftereffects. <i>Journal of Neurophysiology</i> , 2009 , 102, 3016-25	3.2	17
278	Transcranial Magnetic Stimulation as an Intervention Tool to Recover from Language, Swallowing and Attentional Deficits after Stroke: A Systematic Review. <i>Cerebrovascular Diseases</i> , 2018 , 46, 178-185	3.2	17
277	Visual motion imagery neurofeedback based on the hMT+/V5 complex: evidence for a feedback-specific neural circuit involving neocortical and cerebellar regions. <i>Journal of Neural Engineering</i> , 2015 , 12, 066003	5	16
276	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
275	Scanning Patterns of Faces do not Explain Impaired Emotion Recognition in Huntington Disease: Evidence for a High Level Mechanism. <i>Frontiers in Psychology</i> , 2012 , 3, 31	3.4	16
274	Specific impairment of visual spatial covert attention mechanisms in Parkinson's disease. <i>Neuropsychologia</i> , 2011 , 49, 34-42	3.2	16
273	Distinct preference for spatial frequency content in ventral stream regions underlying the recognition of scenes, faces, bodies and other objects. <i>Neuropsychologia</i> , 2016 , 87, 110-119	3.2	16
272	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
271	Antioxidant, Anti-Inflammatory, and Analgesic Activities of L. Infusion. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 8309894	2.3	15
270	Distinct functional properties of the vertical and horizontal saccadic network in Health and Parkinson's disease: An eye-tracking and fMRI study. <i>Brain Research</i> , 2016 , 1648, 469-484	3.7	15

269	Repeated Mesenchymal Stromal Cell Treatment Sustainably Alleviates Machado-Joseph Disease. <i>Molecular Therapy</i> , 2018 , 26, 2131-2151	11.7	15
268	Hyperarousal and failure to inhibit wakefulness in primary insomnia: Birds of a feather? <i>Sleep and Biological Rhythms</i> , 2015 , 13, 219-228	1.3	15
267	Event-related potential responses to perceptual reversals are modulated by working memory load. <i>Neuropsychologia</i> , 2014 , 56, 428-38	3.2	15
266	Evaluation of Brain-computer Interfaces in Accessing Computer and other Devices by People with Severe Motor Impairments. <i>Procedia Computer Science</i> , 2012 , 14, 283-292	1.6	15
265	Egocentric and allocentric spatial representations in Williams syndrome. <i>Journal of the International Neuropsychological Society</i> , 2013 , 19, 54-62	3.1	15
264	Abnormal achromatic and chromatic contrast sensitivity in neurofibromatosis type 1 2012 , 53, 287-93		15
263	Adaptive visual memory reorganization in right medial temporal lobe epilepsy. <i>Epilepsia</i> , 2008 , 49, 1395-408	4.8	15
262	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
261	Tribal love: the neural correlates of passionate engagement in football fans. <i>Social Cognitive and Affective Neuroscience</i> , 2017 , 12, 718-728	4	14
260	Assessment of atherosclerotic plaque calcification using F18-NaF PET-CT. <i>Journal of Nuclear Cardiology</i> , 2018 , 25, 1733-1741	2.1	14
259	GABA deficiency in NF1: A multimodal [11C]-flumazenil and spectroscopy study. <i>Neurology</i> , 2016 , 87, 897-904	6.5	14
258	Neural correlates of visual integration in Williams syndrome: gamma oscillation patterns in a model of impaired coherence. <i>Neuropsychologia</i> , 2013 , 51, 1287-95	3.2	14
257	The role of the amygdala and the basal ganglia in visual processing of central vs. peripheral emotional content. <i>Neuropsychologia</i> , 2013 , 51, 2120-9	3.2	14
256	GIBS block speller: toward a gaze-independent P300-based BCI. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 6360-4	0.9	14
255	Temporal integration of 3D coherent motion cues defining visual objects of unknown orientation is impaired in amnesic mild cognitive impairment and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2012 , 28, 885-96	4.3	14
254	Progression of Behavioral Disturbances and Neuropsychiatric Symptoms in Patients With Genetic Frontotemporal Dementia. <i>JAMA Network Open</i> , 2021 , 4, e2030194	10.4	14
253	Pure visual imagery as a potential approach to achieve three classes of control for implementation of BCI in non-motor disorders. <i>Journal of Neural Engineering</i> , 2017 , 14, 046026	5	13
252	Amygdala Modulation During Emotion Regulation Training With fMRI-Based Neurofeedback. <i>Frontiers in Human Neuroscience</i> , 2019 , 13, 89	3.3	13

251	Structure-function correlations in Retinitis Pigmentosa patients with partially preserved vision: a voxel-based morphometry study. <i>Scientific Reports</i> , 2017 , 7, 11411	4.9	13
250	Cardiovascular magnetic resonance imaging assessment of diastolic dysfunction in a population without heart disease: a gender-based study. <i>European Radiology</i> , 2014 , 24, 52-9	8	13
249	Implicit contextual learning in prodromal and early stage Huntington's disease patients. <i>Journal of the International Neuropsychological Society</i> , 2012 , 18, 689-96	3.1	13
248	Quantitative phenotyping of chromatic dysfunction in best macular dystrophy. <i>JAMA Ophthalmology</i> , 2005 , 123, 944-9		13
247	Endothelial progenitor cells enhance blood-brain barrier permeability in subacute stroke. <i>Neurology</i> , 2018 , 90, e127-e134	6.5	13
246	Can 11C-PiB-PET Relative Delivery R1 or 11C-PiB-PET Perfusion Replace 18F-FDG-PET in the Assessment of Brain Neurodegeneration?. <i>Journal of Alzheimer's Disease</i> , 2018 , 65, 89-97	4.3	13
245	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
244	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
243	Neurohab: A Platform for Virtual Training of Daily Living Skills in Autism Spectrum Disorder. <i>Procedia Technology</i> , 2014 , 16, 1417-1423		12
242	The linear impact of concurrent working memory load on dynamics of Necker cube perceptual reversals. <i>Journal of Vision</i> , 2014 , 14,	0.4	12
241	Parametric fMRI of paced motor responses uncovers novel whole-brain imaging biomarkers in spinocerebellar ataxia type 3. <i>Human Brain Mapping</i> , 2016 , 37, 3656-68	5.9	12
240	The neural basis of fatigue in multiple sclerosis: A multimodal MRI approach. <i>Neurology: Clinical Practice</i> , 2018 , 8, 492-500	1.7	12
239	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
238	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
237	Preserved face inversion effects in adults with autism spectrum disorder: an event-related potential study. <i>NeuroReport</i> , 2016 , 27, 587-92	1.7	11
236	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
235	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
234	Visual Cortex Plasticity Following Peripheral Damage To The Visual System: fMRI Evidence. <i>Current Neurology and Neuroscience Reports</i> , 2016 , 16, 89	6.6	10

233	Abnormal late visual responses and alpha oscillations in neurofibromatosis type 1: a link to visual and attention deficits. <i>Journal of Neurodevelopmental Disorders</i> , 2014 , 6, 4	4.6	10
232	Left ventricular diastolic function in type 2 diabetes mellitus and the association with coronary artery calcium score: a cardiac MRI study. <i>American Journal of Roentgenology</i> , 2014 , 202, 1207-14	5.4	10
231	Neural signals evoked by stimuli of increasing social scene complexity are detectable at the single-trial level and right lateralized. <i>PLoS ONE</i> , 2015 , 10, e0121970	3.7	10
230	Modulation of cortical interhemispheric interactions by motor facilitation or restraint. <i>Neural Plasticity</i> , 2014 , 2014, 210396	3.3	10
229	Independent patterns of damage to retinocortical pathways in multiple sclerosis without a previous episode of optic neuritis. <i>Journal of Neurology</i> , 2011 , 258, 1695-704	5.5	10
228	Assessing asthma control: questionnaires and exhaled nitric oxide provide complementary information. <i>European Respiratory Journal</i> , 2008 , 32, 1419-20	13.6	10
227	Brain and behaviour phenotyping of a mouse model of neurofibromatosis type-1: an MRI/DTI study on social cognition. <i>Genes, Brain and Behavior</i> , 2016 , 15, 637-46	3.6	10
226	A Novel Biomarker of Compensatory Recruitment of Face Emotional Imagery Networks in Autism Spectrum Disorder. <i>Frontiers in Neuroscience</i> , 2018 , 12, 791	5.1	10
225	Brain Activity during Lower-Limb Movement with Manual Facilitation: An fMRI Study. <i>Neurology Research International</i> , 2015 , 2015, 701452	1.7	9
224	Development and aging of visual hemifield asymmetries in contrast sensitivity. <i>Journal of Vision</i> , 2014 , 14,	0.4	9
223	A data-oriented transaction execution engine and supporting tools 2011 ,		9
222	Pattern motion selectivity in population responses of area 18. <i>European Journal of Neuroscience</i> , 2006 , 24, 2363-74	3.5	9
221	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
220	Control of Brain Activity in hMT+/V5 at Three Response Levels Using fMRI-Based Neurofeedback/BCI. <i>PLoS ONE</i> , 2016 , 11, e0155961	3.7	9
219	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
218	Unbalanced resting-state networks activity in psychophysiological insomnia. <i>Sleep and Biological Rhythms</i> , 2017 , 15, 167-177	1.3	8
217	Pupillography as Indicator of Programmers' Mental Effort and Cognitive Overload 2019 ,		8
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