

Ibai Diez

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.

57
papers

615
citations

15
h-index

22
g-index

73
ext. papers

932
ext. citations

5.8
avg, IF

4.3
L-index

#	Paper	IF	Citations
57	Neurogenetic contributions to amyloid beta and tau spreading in the human cortex. <i>Nature Medicine</i> , 2018 , 24, 1910-1918	50.5	80
56	A novel brain partition highlights the modular skeleton shared by structure and function. <i>Scientific Reports</i> , 2015 , 5, 10532	4.9	55
55	Disruption of transfer entropy and inter-hemispheric brain functional connectivity in patients with disorder of consciousness. <i>Frontiers in Neuroinformatics</i> , 2013 , 7, 24	3.9	35
54	Corticolimbic fast-tracking: enhanced multimodal integration in functional neurological disorder. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019 , 90, 929-938	5.5	31
53	Early-life trauma endophenotypes and brain circuit-gene expression relationships in functional neurological (conversion) disorder. <i>Molecular Psychiatry</i> , 2021 , 26, 3817-3828	15.1	29
52	Structure-function multi-scale connectomics reveals a major role of the fronto-striato-thalamic circuit in brain aging. <i>Human Brain Mapping</i> , 2018 , 39, 4663-4677	5.9	24
51	Neurogenetic profiles delineate large-scale connectivity dynamics of the human brain. <i>Nature Communications</i> , 2018 , 9, 3876	17.4	23
50	Neuroimaging in Functional Neurological Disorder: State of the Field and Research Agenda. <i>NeuroImage: Clinical</i> , 2021 , 30, 102623	5.3	20
49	Group-Level Progressive Alterations in Brain Connectivity Patterns Revealed by Diffusion-Tensor Brain Networks across Severity Stages in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 215	5.3	19
48	Brain circuit-gene expression relationships and neuroplasticity of multisensory cortices in blind children. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6830-6835	11.5	18
47	Enhanced prefrontal functional-structural networks to support postural control deficits after traumatic brain injury in a pediatric population. <i>Network Neuroscience</i> , 2017 , 1, 116-142	5.6	17
46	Neurofilament-lysosomal genetic intersections in the cortical network of stuttering. <i>Progress in Neurobiology</i> , 2020 , 184, 101718	10.9	17
45	Brain Plasticity in Blind Subjects Centralizes Beyond the Modal Cortices. <i>Frontiers in Systems Neuroscience</i> , 2016 , 10, 61	3.5	16
44	Information Flow Between Resting-State Networks. <i>Brain Connectivity</i> , 2015 , 5, 554-64	2.7	15
43	Regional brain atrophy in gray and white matter is associated with cognitive impairment in Myotonic Dystrophy type 1. <i>NeuroImage: Clinical</i> , 2019 , 24, 102078	5.3	15
42	Positive Connectivity Predicts the Dynamic Intrinsic Topology of the Human Brain Network. <i>Frontiers in Systems Neuroscience</i> , 2018 , 12, 38	3.5	14
41	Lagged and instantaneous dynamical influences related to brain structural connectivity. <i>Frontiers in Psychology</i> , 2015 , 6, 1024	3.4	13

40	Reduced limbic microstructural integrity in functional neurological disorder. <i>Psychological Medicine</i> , 2021 , 51, 485-493	6.9	12
39	Central neurogenetic signatures of the visuomotor integration system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 6836-6843	11.5	11
38	Metastable Resting State Brain Dynamics. <i>Frontiers in Computational Neuroscience</i> , 2019 , 13, 62	3.5	11
37	Extreme brain events: Higher-order statistics of brain resting activity and its relation with structural connectivity. <i>Europhysics Letters</i> , 2015 , 111, 68007	1.6	11
36	Individual differences in social network size linked to nucleus accumbens and hippocampal volumes in functional neurological disorder: A pilot study. <i>Journal of Affective Disorders</i> , 2019 , 258, 50-54	6.6	10
35	One-Tube-Only Standardized Site-Directed Mutagenesis: An Alternative Approach to Generate Amino Acid Substitution Collections. <i>PLoS ONE</i> , 2016 , 11, e0160972	3.7	10
34	PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior. <i>Cerebral Cortex</i> , 2020 , 30, 505-524	5.1	9
33	High-order interdependencies in the aging brain		9
32	Patient-specific computational modeling of cortical spreading depression via diffusion tensor imaging. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2017 , 33, e2874	2.6	8
31	The influence of posterior visual pathway damage on visual information processing speed in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017 , 23, 1276-1288	5	8
30	Interaction Information Along Lifespan of the Resting Brain Dynamics Reveals a Major Redundant Role of the Default Mode Network. <i>Entropy</i> , 2018 , 20,	2.8	8
29	Geometry Shapes Propagation: Assessing the Presence and Absence of Cortical Symmetries through a Computational Model of Cortical Spreading Depression. <i>Frontiers in Computational Neuroscience</i> , 2016 , 10, 6	3.5	7
28	Sequence Alterations of Cortical Genes Linked to Individual Connectivity of the Human Brain. <i>Cerebral Cortex</i> , 2019 , 29, 3828-3835	5.1	7
27	Individual differences in interoceptive accuracy and prediction error in motor functional neurological disorders: A DTI study. <i>Human Brain Mapping</i> , 2021 , 42, 1434-1445	5.9	6
26	Distance disintegration delineates the brain connectivity failure of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2020 , 88, 51-60	5.6	5
25	Neurodegeneration trajectory in pediatric and adult/late DM1: A follow-up MRI study across a decade. <i>Annals of Clinical and Translational Neurology</i> , 2020 , 7, 1802-1815	5.3	5
24	Brain connectivity and cognitive functioning in individuals six months after multiorgan failure. <i>NeuroImage: Clinical</i> , 2020 , 25, 102137	5.3	4
23	Unveiling the neuroimaging-genetic intersections in the human brain. <i>Current Opinion in Neurology</i> , 2021 , 34, 480-487	7.1	4

22	Connectome sorting by consensus clustering increases separability in group neuroimaging studies. <i>Network Neuroscience</i> , 2019 , 3, 325-343	5.6	4
21	Transcriptional signatures of synaptic vesicle genes define myotonic dystrophy type I neurodegeneration. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 1092-1108	5.2	3
20	High-Order Interdependencies in the Aging Brain. <i>Brain Connectivity</i> , 2021 , 11, 734-744	2.7	3
19	Creative Connections: Computational Semantic Distance Captures Individual Creativity and Resting-State Functional Connectivity. <i>Journal of Cognitive Neuroscience</i> , 2021 , 33, 499-509	3.1	3
18	Real-Time Display Recognition System for Visually Impaired. <i>Lecture Notes in Computer Science</i> , 2012 , 623-629	0.9	2
17	Neurogenetic traits outline vulnerability to cortical disruption in Parkinson's disease.. <i>NeuroImage: Clinical</i> , 2022 , 33, 102941	5.3	2
16	Divergent connectomic organization delineates genetic evolutionary traits in the human brain. <i>Scientific Reports</i> , 2021 , 11, 19692	4.9	2
15	Network interdigitations of Tau and amyloid-beta deposits define cognitive levels in aging. <i>Human Brain Mapping</i> , 2021 , 42, 2990-3004	5.9	2
14	Brain Circuit Alterations and Cognitive Disability in Late-Onset Cobalamin D Disorder. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	2
13	Amyloid- β and tau pathologies relate to distinctive brain dysconnectomics in preclinical autosomal-dominant Alzheimer's disease.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2113641119	11.5	2
12	Neurogenetics of dynamic connectivity patterns associated with obsessive-compulsive symptoms in healthy children. <i>Biological Psychiatry Global Open Science</i> , 2021 ,		1
11	Genes involved in cholesterol cascades are linked to brain connectivity in one third of autistic patients		1
10	Cortical Networks of Creative Ability Trace Gene Expression Profiles of Synaptic Plasticity in the Human Brain. <i>Frontiers in Human Neuroscience</i> , 2021 , 15, 694274	3.3	1
9	Cortical thickness in default mode network hubs correlates with clinical features of dissociative seizures.. <i>Epilepsy and Behavior</i> , 2022 , 128, 108605	3.2	0
8	Persistence of hierarchical network organization and emergent topologies in models of functional connectivity. <i>Neurocomputing</i> , 2021 , 461, 743-750	5.4	0
7	Small variation in dynamic functional connectivity in cerebellar networks. <i>Neurocomputing</i> , 2021 , 461, 751-761	5.4	0
6	Connectomic-genetic signatures in the cerebral small vessel disease.. <i>Neurobiology of Disease</i> , 2022 , 105671	5.1	0
5	Temporal Excitation Patterns on the Cerebral Cortex as a Result of Migraine Modeling. <i>Springer Proceedings in Physics</i> , 2017 , 167-178	0.2	

- 4 Identification of Sounds and Sensing Technology for Home-Care Applications. *Lecture Notes in Computer Science*, **2012**, 74-81 0.9
- 3 A Real-Time Sound Recognition System in an Assisted Environment. *Lecture Notes in Computer Science*, **2012**, 385-391 0.9
- 2 Connectivity adaptations in dopaminergic systems define the brain maturity of investors. *Scientific Reports*, **2021**, 11, 11671 4.9
- 1 A Controlled Thermoalgesic Stimulation Device for Exploring Novel Pain Perception Biomarkers. *IEEE Journal of Biomedical and Health Informatics*, **2021**, 25, 2948-2957 7.2