

# Ibai Diez

## 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.

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 traits outline vulnerability to cortical disruption in Parkinson's disease.. <i>NeuroImage: Clinical</i> , <b>2022</b> , 33, 102941	5.3	2
56	Cortical thickness in default mode network hubs correlates with clinical features of dissociative seizures.. <i>Epilepsy and Behavior</i> , <b>2022</b> , 128, 108605	3.2	0
55	Amyloid- $\beta$ 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> , <b>2022</b> , 119, e2113641119	11.5	2
54	Connectomic-genetic signatures in the cerebral small vessel disease.. <i>Neurobiology of Disease</i> , <b>2022</b> , 105, 671	6.1	0
53	Early-life trauma endophenotypes and brain circuit-gene expression relationships in functional neurological (conversion) disorder. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 3817-3828	15.1	29
52	Neurogenetics of dynamic connectivity patterns associated with obsessive-compulsive symptoms in healthy children. <i>Biological Psychiatry Global Open Science</i> , <b>2021</b> ,		1
51	Divergent connectomic organization delineates genetic evolutionary traits in the human brain. <i>Scientific Reports</i> , <b>2021</b> , 11, 19692	4.9	2
50	Transcriptional signatures of synaptic vesicle genes define myotonic dystrophy type I neurodegeneration. <i>Neuropathology and Applied Neurobiology</i> , <b>2021</b> , 47, 1092-1108	5.2	3
49	High-Order Interdependencies in the Aging Brain. <i>Brain Connectivity</i> , <b>2021</b> , 11, 734-744	2.7	3
48	Network interdigitations of Tau and amyloid-beta deposits define cognitive levels in aging. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 2990-3004	5.9	2
47	Unveiling the neuroimaging-genetic intersections in the human brain. <i>Current Opinion in Neurology</i> , <b>2021</b> , 34, 480-487	7.1	4
46	Connectivity adaptations in dopaminergic systems define the brain maturity of investors. <i>Scientific Reports</i> , <b>2021</b> , 11, 11671	4.9	
45	Cortical Networks of Creative Ability Trace Gene Expression Profiles of Synaptic Plasticity in the Human Brain. <i>Frontiers in Human Neuroscience</i> , <b>2021</b> , 15, 694274	3.3	1
44	Creative Connections: Computational Semantic Distance Captures Individual Creativity and Resting-State Functional Connectivity. <i>Journal of Cognitive Neuroscience</i> , <b>2021</b> , 33, 499-509	3.1	3
43	Individual differences in interoceptive accuracy and prediction error in motor functional neurological disorders: A DTI study. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 1434-1445	5.9	6
42	Reduced limbic microstructural integrity in functional neurological disorder. <i>Psychological Medicine</i> , <b>2021</b> , 51, 485-493	6.9	12
41	A Controlled Thermoalgesic Stimulation Device for Exploring Novel Pain Perception Biomarkers. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2021</b> , 25, 2948-2957	7.2	

40	Persistence of hierarchical network organization and emergent topologies in models of functional connectivity. <i>Neurocomputing</i> , <b>2021</b> , 461, 743-750	5.4	0
39	Small variation in dynamic functional connectivity in cerebellar networks. <i>Neurocomputing</i> , <b>2021</b> , 461, 751-761	5.4	0
38	Neuroimaging in Functional Neurological Disorder: State of the Field and Research Agenda. <i>NeuroImage: Clinical</i> , <b>2021</b> , 30, 102623	5.3	20
37	PTEN Activity Defines an Axis for Plasticity at Cortico-Amygdala Synapses and Influences Social Behavior. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 505-524	5.1	9
36	Central neurogenetic signatures of the visuomotor integration system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 6836-6843	11.5	11
35	Distance disintegration delineates the brain connectivity failure of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2020</b> , 88, 51-60	5.6	5
34	Brain connectivity and cognitive functioning in individuals six months after multiorgan failure. <i>NeuroImage: Clinical</i> , <b>2020</b> , 25, 102137	5.3	4
33	Neurodegeneration trajectory in pediatric and adult/late DM1: A follow-up MRI study across a decade. <i>Annals of Clinical and Translational Neurology</i> , <b>2020</b> , 7, 1802-1815	5.3	5
32	Neurofilament-lysosomal genetic intersections in the cortical network of stuttering. <i>Progress in Neurobiology</i> , <b>2020</b> , 184, 101718	10.9	17
31	Brain Circuit Alterations and Cognitive Disability in Late-Onset Cobalamin D Disorder. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	2
30	Corticolimbic fast-tracking: enhanced multimodal integration in functional neurological disorder. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>2019</b> , 90, 929-938	5.5	31
29	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> , <b>2019</b> , 258, 50-54	6.6	10
28	Metastable Resting State Brain Dynamics. <i>Frontiers in Computational Neuroscience</i> , <b>2019</b> , 13, 62	3.5	11
27	Regional brain atrophy in gray and white matter is associated with cognitive impairment in Myotonic Dystrophy type 1. <i>NeuroImage: Clinical</i> , <b>2019</b> , 24, 102078	5.3	15
26	Connectome sorting by consensus clustering increases separability in group neuroimaging studies. <i>Network Neuroscience</i> , <b>2019</b> , 3, 325-343	5.6	4
25	Sequence Alterations of Cortical Genes Linked to Individual Connectivity of the Human Brain. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 3828-3835	5.1	7
24	Structure-function multi-scale connectomics reveals a major role of the fronto-striato-thalamic circuit in brain aging. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 4663-4677	5.9	24
23	Interaction Information Along Lifespan of the Resting Brain Dynamics Reveals a Major Redundant Role of the Default Mode Network. <i>Entropy</i> , <b>2018</b> , 20,	2.8	8

22	Neurogenetic profiles delineate large-scale connectivity dynamics of the human brain. <i>Nature Communications</i> , <b>2018</b> , 9, 3876	17.4	23
21	Neurogenetic contributions to amyloid beta and tau spreading in the human cortex. <i>Nature Medicine</i> , <b>2018</b> , 24, 1910-1918	50.5	80
20	Positive Connectivity Predicts the Dynamic Intrinsic Topology of the Human Brain Network. <i>Frontiers in Systems Neuroscience</i> , <b>2018</b> , 12, 38	3.5	14
19	Patient-specific computational modeling of cortical spreading depression via diffusion tensor imaging. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2017</b> , 33, e2874	2.6	8
18	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> , <b>2017</b> , 114, 6830-6835	11.5	18
17	The influence of posterior visual pathway damage on visual information processing speed in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , <b>2017</b> , 23, 1276-1288	5	8
16	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> , <b>2017</b> , 9, 215	5.3	19
15	Enhanced prefrontal functional-structural networks to support postural control deficits after traumatic brain injury in a pediatric population. <i>Network Neuroscience</i> , <b>2017</b> , 1, 116-142	5.6	17
14	Temporal Excitation Patterns on the Cerebral Cortex as a Result of Migraine Modeling. <i>Springer Proceedings in Physics</i> , <b>2017</b> , 167-178	0.2	
13	One-Tube-Only Standardized Site-Directed Mutagenesis: An Alternative Approach to Generate Amino Acid Substitution Collections. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160972	3.7	10
12	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> , <b>2016</b> , 10, 6	3.5	7
11	Brain Plasticity in Blind Subjects Centralizes Beyond the Modal Cortices. <i>Frontiers in Systems Neuroscience</i> , <b>2016</b> , 10, 61	3.5	16
10	A novel brain partition highlights the modular skeleton shared by structure and function. <i>Scientific Reports</i> , <b>2015</b> , 5, 10532	4.9	55
9	Information Flow Between Resting-State Networks. <i>Brain Connectivity</i> , <b>2015</b> , 5, 554-64	2.7	15
8	Extreme brain events: Higher-order statistics of brain resting activity and its relation with structural connectivity. <i>Europhysics Letters</i> , <b>2015</b> , 111, 68007	1.6	11
7	Lagged and instantaneous dynamical influences related to brain structural connectivity. <i>Frontiers in Psychology</i> , <b>2015</b> , 6, 1024	3.4	13
6	Disruption of transfer entropy and inter-hemispheric brain functional connectivity in patients with disorder of consciousness. <i>Frontiers in Neuroinformatics</i> , <b>2013</b> , 7, 24	3.9	35
5	Real-Time Display Recognition System for Visually Impaired. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 623-629	0.9	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 High-order interdependencies in the aging brain 9
- 1 Genes involved in cholesterol cascades are linked to brain connectivity in one third of autistic patients 1