

Boris C Bernhardt

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.

208
papers

6,898
citations

45
h-index

79
g-index

259
ext. papers

10,128
ext. citations

7
avg, IF

6.41
L-index

#	Paper	IF	Citations
208	Epilepsy and brain network hubs.. <i>Epilepsia</i> , 2022 ,	6.4	3
207	Age differences in the functional architecture of the human brain.. <i>Cerebral Cortex</i> , 2022 ,	5.1	4
206	Cortical Gradients and Their Role in Cognition 2022 , 242-250		0
205	Neurobehavioral and Clinical Comorbidities in Epilepsy: The Role of White Matter Network Disruption.. <i>Neuroscientist</i> , 2022 , 10738584221076133	7.6	0
204	Perceptual coupling and decoupling of the default mode network during mind-wandering and reading.. <i>ELife</i> , 2022 , 11,	8.9	2
203	Individual differences in gradients of intrinsic connectivity within the semantic network relate to distinct aspects of semantic cognition.. <i>Cortex</i> , 2022 , 150, 48-60	3.8	
202	Diagnosis-informed connectivity subtyping discovers subgroups of autism with reproducible symptom profiles.. <i>NeuroImage</i> , 2022 , 119212	7.9	0
201	Population heterogeneity in clinical cohorts affects the predictive accuracy of brain imaging.. <i>PLoS Biology</i> , 2022 , 20, e3001627	9.7	1
200	Genetic and phylogenetic uncoupling of structure and function in human transmodal cortex.. <i>Nature Communications</i> , 2022 , 13, 2341	17.4	2
199	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex.. <i>NeuroImage</i> , 2022 , 119220	7.9	2
198	A Riemannian approach to predicting brain function from the structural connectome. <i>NeuroImage</i> , 2022 , 257, 119299	7.9	0
197	Imaging characteristics of temporopolar blurring in the context of hippocampal sclerosis. <i>Epileptic Disorders</i> , 2021 ,	1.9	1
196	ILAE Neuroimaging Task Force Highlight: harnessing optimized imaging protocols for drug-resistant childhood epilepsy. <i>Epileptic Disorders</i> , 2021 , 23, 675-681	1.9	1
195	The many dimensions of human hippocampal organization and (dys)function. <i>Trends in Neurosciences</i> , 2021 , 44, 977-989	13.3	2
194	Cortical and subcortical neuroanatomical signatures of schizotypy in 3004 individuals assessed in a worldwide ENIGMA study. <i>Molecular Psychiatry</i> , 2021 ,	15.1	1
193	Recycling diagnostic MRI for empowering brain morphometric research - Critical & practical assessment on learning-based image super-resolution. <i>NeuroImage</i> , 2021 , 245, 118687	7.9	1
192	The neural correlates of ongoing conscious thought. <i>IScience</i> , 2021 , 24, 102132	6.1	17

191	An expanding manifold in transmodal regions characterizes adolescent reconfiguration of structural connectome organization. <i>ELife</i> , 2021 , 10,	8.9	13
190	Atypical neural topographies underpin dysfunctional pattern separation in temporal lobe epilepsy. <i>Brain</i> , 2021 , 144, 2486-2498	11.2	7
189	Altered communication dynamics reflect cognitive deficits in temporal lobe epilepsy. <i>Epilepsia</i> , 2021 , 62, 1022-1033	6.4	6
188	Differences in subcortico-cortical interactions identified from connectome and microcircuit models in autism. <i>Nature Communications</i> , 2021 , 12, 2225	17.4	12
187	Variability in Brain Structure and Function Reflects Lack of Peer Support. <i>Cerebral Cortex</i> , 2021 , 31, 4612-4627	5.6	0
186	Inter-individual body mass variations relate to fractionated functional brain hierarchies. <i>Communications Biology</i> , 2021 , 4, 735	6.7	3
185	Structural Connectivity Gradients of the Temporal Lobe Serve as Multiscale Axes of Brain Organization and Cortical Evolution. <i>Cerebral Cortex</i> , 2021 , 31, 5151-5164	5.1	2
184	Dissecting the midlife crisis: disentangling social, personality and demographic determinants in social brain anatomy. <i>Communications Biology</i> , 2021 , 4, 728	6.7	1
183	Compressed sensorimotor-to-transmodal hierarchical organization in schizophrenia. <i>Psychological Medicine</i> , 2021 , 1-14	6.9	5
182	The ENIGMA Toolbox: multiscale neural contextualization of multisite neuroimaging datasets. <i>Nature Methods</i> , 2021 , 18, 698-700	21.6	7
181	Anti-seizure medication correlated changes of cortical morphology in childhood epilepsy with centrotemporal spikes. <i>Epilepsy Research</i> , 2021 , 173, 106621	3	
180	The default mode network in cognition: a topographical perspective. <i>Nature Reviews Neuroscience</i> , 2021 , 22, 503-513	13.5	38
179	Signal diffusion along connectome gradients and inter-hub routing differentially contribute to dynamic human brain function. <i>NeuroImage</i> , 2021 , 224, 117429	7.9	17
178	Connectome biomarkers of drug-resistant epilepsy. <i>Epilepsia</i> , 2021 , 62, 6-24	6.4	17
177	Cortical gradients of functional connectivity are robust to state-dependent changes following sleep deprivation. <i>NeuroImage</i> , 2021 , 226, 117547	7.9	4
176	Artificial intelligence for classification of temporal lobe epilepsy with ROI-level MRI data: A worldwide ENIGMA-Epilepsy study. <i>NeuroImage: Clinical</i> , 2021 , 31, 102765	5.3	8
175	A Structure-Function Substrate of Memory for Spatial Configurations in Medial and Lateral Temporal Cortices. <i>Cerebral Cortex</i> , 2021 , 31, 3213-3225	5.1	1
174	Fast oscillations >40Hz localize the epileptogenic zone: An electrical source imaging study using high-density electroencephalography. <i>Clinical Neurophysiology</i> , 2021 , 132, 568-580	4.3	5

173	The BigBrainWarp toolbox for integration of BigBrain 3D histology with multimodal neuroimaging. <i>ELife</i> , 2021 , 10,	8.9	5
172	Atypical Integration of Sensory-to-Transmodal Functional Systems Mediates Symptom Severity in Autism. <i>Frontiers in Psychiatry</i> , 2021 , 12, 699813	5	1
171	Connectivity alterations in autism reflect functional idiosyncrasy. <i>Communications Biology</i> , 2021 , 4, 10786.7		3
170	A systems-level analysis highlights microglial activation as a modifying factor in common epilepsies. <i>Neuropathology and Applied Neurobiology</i> , 2021 ,	5.2	2
169	Atypical functional connectome hierarchy impacts cognition in temporal lobe epilepsy. <i>Epilepsia</i> , 2021 , 62, 2589-2603	6.4	5
168	A tale of two gradients: differences between the left and right hemispheres predict semantic cognition. <i>Brain Structure and Function</i> , 2021 , 1	4	2
167	Multiscale communication in cortico-cortical networks. <i>NeuroImage</i> , 2021 , 243, 118546	7.9	9
166	Cortico-striato-thalamo-cerebellar networks of structural covariance underlying different epilepsy syndromes associated with generalized tonic-clonic seizures. <i>Human Brain Mapping</i> , 2021 , 42, 1102-1115 ^{5,9}		3
165	The ENIGMA-Epilepsy working group: Mapping disease from large data sets. <i>Human Brain Mapping</i> , 2020 ,	5.9	18
164	Functional connectome contractions in temporal lobe epilepsy: Microstructural underpinnings and predictors of surgical outcome. <i>Epilepsia</i> , 2020 , 61, 1221-1233	6.4	27
163	Reductions in task positive neural systems occur with the passage of time and are associated with changes in ongoing thought. <i>Scientific Reports</i> , 2020 , 10, 9912	4.9	16
162	Resting state signal latency assesses the propagation of intrinsic activations and estimates anti-epileptic effect of levetiracetam in Rolandic epilepsy. <i>Brain Research Bulletin</i> , 2020 , 162, 125-131	3.9	2
161	Population variability in social brain morphology for social support, household size and friendship satisfaction. <i>Social Cognitive and Affective Neuroscience</i> , 2020 , 15, 635-647	4	3
160	Microstructural imaging in temporal lobe epilepsy: Diffusion imaging changes relate to reduced neurite density. <i>NeuroImage: Clinical</i> , 2020 , 26, 102231	5.3	15
159	BrainSpace: a toolbox for the analysis of macroscale gradients in neuroimaging and connectomics datasets. <i>Communications Biology</i> , 2020 , 3, 103	6.7	63
158	Multidimensional associations between cognition and connectome organization in temporal lobe epilepsy. <i>NeuroImage</i> , 2020 , 213, 116706	7.9	25
157	The relationship between individual variation in macroscale functional gradients and distinct aspects of ongoing thought. <i>NeuroImage</i> , 2020 , 220, 117072	7.9	19
156	Transcriptomic and cellular decoding of regional brain vulnerability to neurogenetic disorders. <i>Nature Communications</i> , 2020 , 11, 3358	17.4	35

155	A molecular gradient along the longitudinal axis of the human hippocampus informs large-scale behavioral systems. <i>Nature Communications</i> , 2020 , 11, 960	17.4	40
154	Word up - Experiential and neurocognitive evidence for associations between autistic symptomology and a preference for thinking in the form of words. <i>Cortex</i> , 2020 , 128, 88-106	3.8	3
153	Toward Neurosubtypes in Autism. <i>Biological Psychiatry</i> , 2020 , 88, 111-128	7.9	36
152	Myeloarchitecture gradients in the human insula: Histological underpinnings and association to intrinsic functional connectivity. <i>NeuroImage</i> , 2020 , 216, 116859	7.9	15
151	Network structure of the mouse brain connectome with voxel resolution. <i>Science Advances</i> , 2020 , 6,	14.3	18
150	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain. <i>PLoS Biology</i> , 2020 , 18, e3000979	9.7	17
149	ILAE Neuroimaging Task Force highlight: Review MRI scans with semiology in mind. <i>Epileptic Disorders</i> , 2020 , 22, 683-687	1.9	1
148	Convergence of cortical types and functional motifs in the human mesiotemporal lobe. <i>ELife</i> , 2020 , 9,	8.9	19
147	Topographic gradients of intrinsic dynamics across neocortex. <i>ELife</i> , 2020 , 9,	8.9	28
146	Macroscale and microcircuit dissociation of focal and generalized human epilepsies. <i>Communications Biology</i> , 2020 , 3, 244	6.7	14
145	Missing the forest because of the trees: slower alternations during binocular rivalry are associated with lower levels of visual detail during ongoing thought. <i>Neuroscience of Consciousness</i> , 2020 , 2020, niaa020	3.3	0
144	Dispersion of functional gradients across the adult lifespan. <i>NeuroImage</i> , 2020 , 222, 117299	7.9	33
143	Network-based atrophy modeling in the common epilepsies: A worldwide ENIGMA study. <i>Science Advances</i> , 2020 , 6,	14.3	18
142	Age of Speech Onset in Autism Relates to Structural Connectivity in the Language Network. <i>Cerebral Cortex Communications</i> , 2020 , 1, tgaa077	1.9	1
141	Latent Clinical-Anatomical Dimensions of Schizophrenia. <i>Schizophrenia Bulletin</i> , 2020 , 46, 1426-1438	1.3	8
140	Toward a connectivity gradient-based framework for reproducible biomarker discovery. <i>NeuroImage</i> , 2020 , 223, 117322	7.9	23
139	MRI essentials in epileptology: a review from the ILAE Imaging Taskforce. <i>Epileptic Disorders</i> , 2020 , 22, 421-437	1.9	7
138	Whole-brain functional connectivity correlates of obesity phenotypes. <i>Human Brain Mapping</i> , 2020 , 41, 4912-4924	5.9	7

137	Shaping brain structure: Genetic and phylogenetic axes of macroscale organization of cortical thickness. <i>Science Advances</i> , 2020 , 6,	14.3	25
136	Neurocognitive patterns dissociating semantic processing from executive control are linked to more detailed off-task mental time travel. <i>Scientific Reports</i> , 2020 , 10, 11904	4.9	4
135	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA-Epilepsy study. <i>Brain</i> , 2020 , 143, 2454-2473	11.2	32
134	The psychological correlates of distinct neural states occurring during wakeful rest. <i>Scientific Reports</i> , 2020 , 10, 21121	4.9	17
133	Multiscale Structure-Function Gradients in the Neonatal Connectome. <i>Cerebral Cortex</i> , 2020 , 30, 47-58	5.1	36
132	Facing up to the wandering mind: Patterns of off-task laboratory thought are associated with stronger neural recruitment of right fusiform cortex while processing facial stimuli. <i>NeuroImage</i> , 2020 , 214, 116765	7.9	11
131	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
130	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
129	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
128	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
127	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
126	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
125	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
124	A multi-scale cortical wiring space links cellular architecture and functional dynamics in the human brain 2020 , 18, e3000979		
123	Targeting age-related differences in brain and cognition with multimodal imaging and connectome topography profiling. <i>Human Brain Mapping</i> , 2019 , 40, 5213-5230	5.9	18
122	Association of Short-term Change in Leukocyte Telomere Length With Cortical Thickness and Outcomes of Mental Training Among Healthy Adults: A Randomized Clinical Trial. <i>JAMA Network Open</i> , 2019 , 2, e199687	10.4	24
121	Imaging White Matter Pathology in Epilepsy 2019 , 68-76		
120	Network Modeling of Epilepsy Using Structural and Functional MRI 2019 , 77-94		1

119	Tracking Epilepsy Disease Progression with Neuroimaging 2019 , 217-228		
118	Microstructural and functional gradients are increasingly dissociated in transmodal cortices. <i>PLoS Biology</i> , 2019 , 17, e3000284	9.7	131
117	Temporal lobe epilepsy: Hippocampal pathology modulates connectome topology and controllability. <i>Neurology</i> , 2019 , 92, e2209-e2220	6.5	43
116	Neuroimaging and connectomics of drug-resistant epilepsy at multiple scales: From focal lesions to macroscale networks. <i>Epilepsia</i> , 2019 , 60, 593-604	6.4	40
115	Atypical functional connectome hierarchy in autism. <i>Nature Communications</i> , 2019 , 10, 1022	17.4	128
114	A connectome-based mechanistic model of focal cortical dysplasia. <i>Brain</i> , 2019 , 142, 688-699	11.2	19
113	Microstructure-Informed Connectomics: Enriching Large-Scale Descriptions of Healthy and Diseased Brains. <i>Brain Connectivity</i> , 2019 , 9, 113-127	2.7	24
112	Community-informed connectomics of the thalamocortical system in generalized epilepsy. <i>Neurology</i> , 2019 , 93, e1112-e1122	6.5	29
111	Individual variation in patterns of task focused, and detailed, thought are uniquely associated within the architecture of the medial temporal lobe. <i>NeuroImage</i> , 2019 , 202, 116045	7.9	9
110	Shifts in myeloarchitecture characterise adolescent development of cortical gradients. <i>ELife</i> , 2019 , 8,	8.9	39
109	Author response: Shifts in myeloarchitecture characterise adolescent development of cortical gradients 2019 ,		3
108	Gradients of structure-function tethering across neocortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 21219-21227	11.5	152
107	Developmental MRI markers cosegregate juvenile patients with myoclonic epilepsy and their healthy siblings. <i>Neurology</i> , 2019 , 93, e1272-e1280	6.5	14
106	The Superficial White Matter in Autism and Its Role in Connectivity Anomalies and Symptom Severity. <i>Cerebral Cortex</i> , 2019 , 29, 4415-4425	5.1	19
105	Tracking mood fluctuations with functional network patterns. <i>Social Cognitive and Affective Neuroscience</i> , 2019 , 14, 47-57	4	7
104	Topographic principles of cortical fluid-attenuated inversion recovery signal in temporal lobe epilepsy. <i>Epilepsia</i> , 2018 , 59, 627-635	6.4	11
103	Structural brain abnormalities in the common epilepsies assessed in a worldwide ENIGMA study. <i>Brain</i> , 2018 , 141, 391-408	11.2	187
102	Review: Neurodegenerative processes in temporal lobe epilepsy with hippocampal sclerosis: Clinical, pathological and neuroimaging evidence. <i>Neuropathology and Applied Neurobiology</i> , 2018 , 44, 70-90	5.2	45

101	Histological and MRI markers of white matter damage in focal epilepsy. <i>Epilepsy Research</i> , 2018 , 140, 29-38	3	30
100	Investigating the Elements of Thought 2018 ,		2
99	How do we decide what to do? Resting-state connectivity patterns and components of self-generated thought linked to the development of more concrete personal goals. <i>Experimental Brain Research</i> , 2018 , 236, 2469-2481	2.3	47
98	Preferential susceptibility of limbic cortices to microstructural damage in temporal lobe epilepsy: A quantitative T1 mapping study. <i>NeuroImage</i> , 2018 , 182, 294-303	7.9	35
97	Multidimensional Neuroanatomical Subtyping of Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2018 , 28, 3578-3588	5.1	49
96	Structural changes in socio-affective networks: Multi-modal MRI findings in long-term meditation practitioners. <i>Neuropsychologia</i> , 2018 , 116, 26-33	3.2	43
95	The structural basis of semantic control: Evidence from individual differences in cortical thickness. <i>NeuroImage</i> , 2018 , 181, 480-489	7.9	17
94	Antiepileptic Drug of Levetiracetam Decreases Centrottemporal Spike-Associated Activation in Rolandic Epilepsy. <i>Frontiers in Neuroscience</i> , 2018 , 12, 796	5.1	8
93	Multimodal computational neocortical anatomy in pediatric hippocampal sclerosis. <i>Annals of Clinical and Translational Neurology</i> , 2018 , 5, 1200-1210	5.3	4
92	Deep Convolutional Networks for Automated Detection of Epileptogenic Brain Malformations. <i>Lecture Notes in Computer Science</i> , 2018 , 490-497	0.9	6
91	Anatomical and microstructural determinants of hippocampal subfield functional connectome embedding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 10154-10159	11.5	111
90	Association between carotid atheroma and cerebral cortex structure at age 73 years. <i>Annals of Neurology</i> , 2018 , 84, 576-587	9.4	14
89	Multimodal MRI profiling of focal cortical dysplasia type II. <i>Neurology</i> , 2017 , 88, 734-742	6.5	53
88	Knowing what from where: Hippocampal connectivity with temporoparietal cortex at rest is linked to individual differences in semantic and topographic memory. <i>NeuroImage</i> , 2017 , 152, 400-410	7.9	25
87	Tracking thoughts: Exploring the neural architecture of mental time travel during mind-wandering. <i>NeuroImage</i> , 2017 , 147, 272-281	7.9	64
86	Structural plasticity of the social brain: Differential change after socio-affective and cognitive mental training. <i>Science Advances</i> , 2017 , 3, e1700489	14.3	113
85	Connectome-Based Pattern Learning Predicts Histology and Surgical Outcome of Epileptogenic Malformations of Cortical Development. <i>Lecture Notes in Computer Science</i> , 2017 , 390-397	0.9	4
84	Neuroimaging-Based Phenotyping of the Autism Spectrum. <i>Current Topics in Behavioral Neurosciences</i> , 2017 , 30, 341-355	3.4	21

83	Socio-Cognitive Phenotypes Differentially Modulate Large-Scale Structural Covariance Networks. <i>Cerebral Cortex</i> , 2017 , 27, 1358-1368	5.1	72
82	A meta-analysis on progressive atrophy in intractable temporal lobe epilepsy: Time is brain?. <i>Neurology</i> , 2017 , 89, 506-516	6.5	71
81	The spectrum of structural and functional network alterations in malformations of cortical development. <i>Brain</i> , 2017 , 140, 2133-2143	11.2	49
80	Individual variation in intentionality in the mind-wandering state is reflected in the integration of the default-mode, fronto-parietal, and limbic networks. <i>NeuroImage</i> , 2017 , 146, 226-235	7.9	92
79	Automated Detection of Epileptogenic Cortical Malformations Using Multimodal MRI. <i>Lecture Notes in Computer Science</i> , 2017 , 349-356	0.9	9
78	Subregional Mesiotemporal Network Topology Is Altered in Temporal Lobe Epilepsy. <i>Cerebral Cortex</i> , 2016 , 26, 3237-48	5.1	31
77	The superficial white matter in temporal lobe epilepsy: a key link between structural and functional network disruptions. <i>Brain</i> , 2016 , 139, 2431-40	11.2	48
76	Whole-brain MRI phenotyping in dysplasia-related frontal lobe epilepsy. <i>Neurology</i> , 2016 , 86, 643-50	6.5	52
75	A Surface Patch-Based Segmentation Method for Hippocampal Subfields. <i>Lecture Notes in Computer Science</i> , 2016 , 379-387	0.9	18
74	Gray matter structural compromise is equally distributed in left and right temporal lobe epilepsy. <i>Human Brain Mapping</i> , 2016 , 37, 515-24	5.9	16
73	In vivo MRI signatures of hippocampal subfield pathology in intractable epilepsy. <i>Human Brain Mapping</i> , 2016 , 37, 1103-19	5.9	45
72	Substrates of metacognition on perception and metacognition on higher-order cognition relate to different subsystems of the mentalizing network. <i>Human Brain Mapping</i> , 2016 , 37, 3388-99	5.9	30
71	The spectrum of structural and functional imaging abnormalities in temporal lobe epilepsy. <i>Annals of Neurology</i> , 2016 , 80, 142-53	9.4	66
70	Exploring the role of the posterior middle temporal gyrus in semantic cognition: Integration of anterior temporal lobe with executive processes. <i>NeuroImage</i> , 2016 , 137, 165-177	7.9	179
69	An individual differences analysis of the neurocognitive architecture of the semantic system at rest. <i>Brain and Cognition</i> , 2016 , 109, 112-123	2.7	9
68	Network analysis for a network disorder: The emerging role of graph theory in the study of epilepsy. <i>Epilepsy and Behavior</i> , 2015 , 50, 162-70	3.2	140
67	Multicenter mapping of structural network alterations in autism. <i>Human Brain Mapping</i> , 2015 , 36, 2364-73	5.9	54
66	Age-related differences in function and structure of rSMG and reduced functional connectivity with DLPFC explains heightened emotional egocentricity bias in childhood. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 302-10	4	48

65	Multi-contrast submillimetric 3 Tesla hippocampal subfield segmentation protocol and dataset. <i>Scientific Data</i> , 2015 , 2, 150059	8.2	46
64	Magnetic resonance imaging pattern learning in temporal lobe epilepsy: classification and prognostics. <i>Annals of Neurology</i> , 2015 , 77, 436-46	9.4	88
63	MRI-Based Lesion Profiling of Epileptogenic Cortical Malformations. <i>Lecture Notes in Computer Science</i> , 2015 , 501-509	0.9	3
62	Automated detection of cortical dysplasia type II in MRI-negative epilepsy. <i>Neurology</i> , 2014 , 83, 48-55	6.5	115
61	Medial prefrontal and anterior cingulate cortical thickness predicts shared individual differences in self-generated thought and temporal discounting. <i>NeuroImage</i> , 2014 , 90, 290-7	7.9	47
60	Classifying the wandering mind: revealing the affective content of thoughts during task-free rest periods. <i>NeuroImage</i> , 2014 , 97, 107-16	7.9	69
59	Functional network alterations and their structural substrate in drug-resistant epilepsy. <i>Frontiers in Neuroscience</i> , 2014 , 8, 411	5.1	47
58	Structural covariance networks of the dorsal anterior insula predict females' individual differences in empathic responding. <i>Cerebral Cortex</i> , 2014 , 24, 2189-98	5.1	38
57	Selective disruption of sociocognitive structural brain networks in autism and alexithymia. <i>Cerebral Cortex</i> , 2014 , 24, 3258-67	5.1	96
56	Brain iron redistribution in mesial temporal lobe epilepsy: a susceptibility-weighted magnetic resonance imaging study. <i>BMC Neuroscience</i> , 2014 , 15, 117	3.2	14
55	Multivariate hippocampal subfield analysis of local MRI intensity and volume: application to temporal lobe epilepsy. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 170-8	0.9	15
54	Patterns of subregional mesiotemporal disease progression in temporal lobe epilepsy. <i>Neurology</i> , 2013 , 81, 1840-7	6.5	72
53	Imaging structural and functional brain networks in temporal lobe epilepsy. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 624	3.3	145
52	Impulse control and underlying functions of the left DLPFC mediate age-related and age-independent individual differences in strategic social behavior. <i>Neuron</i> , 2012 , 73, 1040-51	13.9	201
51	Automatic hippocampal segmentation in temporal lobe epilepsy: impact of developmental abnormalities. <i>NeuroImage</i> , 2012 , 59, 3178-86	7.9	46
50	The neural basis of empathy. <i>Annual Review of Neuroscience</i> , 2012 , 35, 1-23	17	605
49	Mapping thalamocortical network pathology in temporal lobe epilepsy. <i>Neurology</i> , 2012 , 78, 129-36	6.5	79
48	Spatial patterns of water diffusion along white matter tracts in temporal lobe epilepsy. <i>Neurology</i> , 2012 , 79, 455-62	6.5	88

47	The Neural Basis of Empathy. <i>Annual Review of Neuroscience</i> , 2012 , 35, 1-23	17	396
46	Advances in MRI for Cryptogenic Epilepsies. <i>Nature Reviews Neurology</i> , 2011 , 7, 99-108	15	159
45	MRI analysis in temporal lobe epilepsy: cortical thinning and white matter disruptions are related to side of seizure onset. <i>Epilepsia</i> , 2011 , 52, 2257-66	6.4	111
44	Graph-theoretical analysis reveals disrupted small-world organization of cortical thickness correlation networks in temporal lobe epilepsy. <i>Cerebral Cortex</i> , 2011 , 21, 2147-57	5.1	330
43	Cortical thickness analysis in temporal lobe epilepsy: reproducibility and relation to outcome. <i>Neurology</i> , 2010 , 74, 1776-84	6.5	163
42	Temporal lobe epilepsy is a progressive disorder. <i>Nature Reviews Neurology</i> , 2010 , 6, 1	15	7
41	Thalamo-cortical network pathology in idiopathic generalized epilepsy: insights from MRI-based morphometric correlation analysis. <i>NeuroImage</i> , 2009 , 46, 373-81	7.9	126
40	A statistical model of right ventricle in tetralogy of Fallot for prediction of remodelling and therapy planning. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 214-21	0.9	18
39	Mapping limbic network organization in temporal lobe epilepsy using morphometric correlations: insights on the relation between mesiotemporal connectivity and cortical atrophy. <i>NeuroImage</i> , 2008 , 42, 515-24	7.9	153
38	Multimodal connectome biomarkers of cognitive and affective dysfunction in the common epilepsies. <i>Network Neuroscience</i> , 1-33	5.6	0
37	Dispersion of functional gradients across the lifespan		7
36	The Unique Cytoarchitecture and Wiring of the Human Default Mode Network		1
35	Towards Neurosubtypes in Autism		3
34	Functional connectome contractions in temporal lobe epilepsy: microstructural underpinnings and associations to surgical outcome		4
33	Myeloarchitecture gradients in the human insula serve as blueprints for its diverse connectivity and function		1
32	White matter abnormalities across different epilepsy syndromes in adults: an ENIGMA Epilepsy study		1
31	The psychological correlates of distinct neural states occurring during wakeful rest		4
30	A cortical wiring space links cellular architecture, functional dynamics and hierarchies in humans		11

29	Shaping Brain Structure: Genetic and Phylogenetic Axes of Macro Scale Organization of Cortical Thickness	4
28	Network structure of the mouse brain connectome with voxel resolution	6
27	TOWARD A CONNECTIVITY GRADIENT-BASED FRAMEWORK FOR REPRODUCIBLE BIOMARKER DISCOVERY	4
26	Serotonergic psychedelic drugs LSD and psilocybin reduce the hierarchical differentiation of unimodal and transmodal cortex	8
25	Network-based atrophy modelling in the common epilepsies: a worldwide ENIGMA study	2
24	Connectome and microcircuit models implicate atypical subcortico-cortical interactions in autism pathophysiology	6
23	Convergence of cortical types and functional motifs in the mesiotemporal lobe	3
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