

# Danielle Bassett

## 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.

394  
papers

23,332  
citations

73  
h-index

145  
g-index

482  
ext. papers

31,649  
ext. citations

8  
avg, IF

7.78  
L-index

#	Paper	IF	Citations
394	Intracranial electroencephalographic biomarker predicts effective responsive neurostimulation for epilepsy prior to treatment.. <i>Epilepsia</i> , <b>2022</b> ,	6.4	1
393	Neurophysiological evidence for cognitive map formation during sequence learning.. <i>ENeuro</i> , <b>2022</b> ,	3.9	1
392	Path-dependent dynamics induced by rewiring networks of inertial oscillators.. <i>Physical Review E</i> , <b>2022</b> , 105, 024304	2.4	0
391	Learning continuous chaotic attractors with a reservoir computer.. <i>Chaos</i> , <b>2022</b> , 32, 011101	3.3	1
390	Daily sensation-seeking and urgency in young adults: Examining associations with alcohol use and self-defined risky behaviors.. <i>Addictive Behaviors</i> , <b>2022</b> , 127, 107219	4.2	1
389	Relay Interactions Enable Remote Synchronization in Networks of Phase Oscillators <b>2022</b> , 6, 500-505		3
388	Network controllability mediates the relationship between rigid structure and flexible dynamics. <i>Network Neuroscience</i> , <b>2022</b> , 6, 275-297	5.6	0
387	Brain-wide visual habituation networks in wild type and fmr1 zebrafish.. <i>Nature Communications</i> , <b>2022</b> , 13, 895	17.4	2
386	A Framework for Brain Atlases: Lessons from Seizure Dynamics.. <i>NeuroImage</i> , <b>2022</b> , 118986	7.9	1
385	Harmonizing Functional Connectivity Reduces Scanner Effects in Community Detection.. <i>NeuroImage</i> , <b>2022</b> , 119198	7.9	0
384	Drug-resistant focal epilepsy in children is associated with increased modal controllability of the whole brain and epileptogenic regions.. <i>Communications Biology</i> , <b>2022</b> , 5, 394	6.7	0
383	Dissociable multi-scale patterns of development in personalized brain networks.. <i>Nature Communications</i> , <b>2022</b> , 13, 2647	17.4	1
382	Edgework <b>2022</b> , 259-278		
381	The expanding horizons of network neuroscience: From description to prediction and control. <i>NeuroImage</i> , <b>2022</b> , 119250	7.9	0
380	Broken detailed balance and entropy production in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	10
379	Variability in higher order structure of noise added to weighted networks. <i>Communications Physics</i> , <b>2021</b> , 4,	5.4	1
378	Functional brain network community structure in childhood: Unfinished territories and fuzzy boundaries.. <i>NeuroImage</i> , <b>2021</b> , 118843	7.9	1

377	Persistent sodium currents in developmental and degenerative epileptic dyskinetic encephalopathy. <i>Brain Communications</i> , <b>2021</b> , 3, fcab235	4.5	3
376	Atypical neural topographies underpin dysfunctional pattern separation in temporal lobe epilepsy. <i>Brain</i> , <b>2021</b> , 144, 2486-2498	11.2	7
375	Data-driven control of complex networks. <i>Nature Communications</i> , <b>2021</b> , 12, 1429	17.4	14
374	Transdiagnostic dimensions of psychopathology explain individuals' unique deviations from normative neurodevelopment in brain structure. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 232	8.6	9
373	Environmental influences on the pace of brain development. <i>Nature Reviews Neuroscience</i> , <b>2021</b> , 22, 372-384	13.5	40
372	Gendered Citation Practices in the Field of Communication. <i>Annals of the International Communication Association</i> , <b>2021</b> , 45, 134-153	3.8	14
371	BCI learning induces core-periphery reorganization in M/EEG multiplex brain networks. <i>Journal of Neural Engineering</i> , <b>2021</b> ,	5	1
370	Teaching recurrent neural networks to infer global temporal structure from local examples. <i>Nature Machine Intelligence</i> , <b>2021</b> , 3, 316-323	22.5	20
369	Network Controllability in Transmodal Cortex Predicts Psychosis Spectrum Symptoms. <i>Biological Psychiatry</i> , <b>2021</b> , 89, S370-S371	7.9	4
368	Crystalline shielding mitigates structural rearrangement and localizes memory in jammed systems under oscillatory shear. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
367	DotMotif: an open-source tool for connectome subgraph isomorphism search and graph queries. <i>Scientific Reports</i> , <b>2021</b> , 11, 13045	4.9	1
366	Brain network dynamics during working memory are modulated by dopamine and diminished in schizophrenia. <i>Nature Communications</i> , <b>2021</b> , 12, 3478	17.4	12
365	Computational modeling of tau pathology spread reveals patterns of regional vulnerability and the impact of a genetic risk factor. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	5
364	QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. <i>Nature Methods</i> , <b>2021</b> , 18, 775-778	21.6	26
363	Synchronization of coupled Kuramoto oscillators under resource constraints. <i>Physical Review E</i> , <b>2021</b> , 104, 014211	2.4	0
362	Mediated Remote Synchronization of Kuramoto-Sakaguchi Oscillators: The Number of Mediators Matters <b>2021</b> , 5, 767-772		6
361	Neurocognitive and functional heterogeneity in depressed youth. <i>Neuropsychopharmacology</i> , <b>2021</b> , 46, 783-790	8.7	3
360	Hunters, busybodies and the knowledge network building associated with deprivation curiosity. <i>Nature Human Behaviour</i> , <b>2021</b> , 5, 327-336	12.8	16

359	Generative network models of altered structural brain connectivity in schizophrenia. <i>NeuroImage</i> , <b>2021</b> , 225, 117510	7.9	2
358	Modeling brain, symptom, and behavior in the winds of change. <i>Neuropsychopharmacology</i> , <b>2021</b> , 46, 20-32	8.7	7
357	The Why, How, and When of Representations for Complex Systems. <i>SIAM Review</i> , <b>2021</b> , 63, 435-485	7.4	27
356	Electrocorticography and stereo EEG provide distinct measures of brain connectivity: implications for network models. <i>Brain Communications</i> , <b>2021</b> , 3, fcab156	4.5	3
355	The feasibility of an in-scanner smoking lapse paradigm to examine the neural correlates of lapses. <i>Addiction Biology</i> , <b>2021</b> , 26, e13001	4.6	0
354	Phase/Amplitude Synchronization of Brain Signals During Motor Imagery BCI Tasks. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , <b>2021</b> , 29, 1168-1177	4.8	4
353	Multimodal in vivo recording using transparent graphene microelectrodes illuminates spatiotemporal seizure dynamics at the microscale. <i>Communications Biology</i> , <b>2021</b> , 4, 136	6.7	5
352	Temporal networks of tobacco withdrawal symptoms during smoking cessation treatment. <i>Journal of Abnormal Psychology</i> , <b>2021</b> , 130, 89-101	7	1
351	Structural control energy of resting-state functional brain states reveals less cost-effective brain dynamics in psychosis vulnerability. <i>Human Brain Mapping</i> , <b>2021</b> , 42, 2181-2200	5.9	4
350	Pairwise maximum entropy model explains the role of white matter structure in shaping emergent co-activation states. <i>Communications Biology</i> , <b>2021</b> , 4, 210	6.7	4
349	Crystallinity characterization of white matter in the human brain. <i>New Journal of Physics</i> , <b>2021</b> , 23, 073047	4.7	3
348	Gender bias in academia: A lifetime problem that needs solutions. <i>Neuron</i> , <b>2021</b> , 109, 2047-2074	13.9	11
347	Quantifying the compressibility of complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	1
346	Neurodevelopment of the association cortices: Patterns, mechanisms, and implications for psychopathology. <i>Neuron</i> , <b>2021</b> , 109, 2820-2846	13.9	34
345	Network Controllability in Transmodal Cortex Predicts Positive Psychosis Spectrum Symptoms. <i>Biological Psychiatry</i> , <b>2021</b> , 90, 409-418	7.9	7
344	Multimodal electrophysiological analyses reveal that reduced synaptic excitatory neurotransmission underlies seizures in a model of NMDAR antibody-mediated encephalitis. <i>Communications Biology</i> , <b>2021</b> , 4, 1106	6.7	0
343	The modulation of brain network integration and arousal during exploration. <i>NeuroImage</i> , <b>2021</b> , 240, 118369	7.9	3
342	Evaluating the sensitivity of functional connectivity measures to motion artifact in resting-state fMRI data. <i>NeuroImage</i> , <b>2021</b> , 241, 118408	7.9	5

341	Topology in Biology <b>2021</b> , 2073-2095		0
340	Time-evolving controllability of effective connectivity networks during seizure progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	8
339	Improving J-Divergence of Brain Connectivity States by Graph Laplacian Denoising. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , <b>2021</b> , 7, 493-508	2.8	1
338	Towards precise resting-state fMRI biomarkers in psychiatry: synthesizing developments in transdiagnostic research, dimensional models of psychopathology, and normative neurodevelopment. <i>Current Opinion in Neurobiology</i> , <b>2020</b> , 65, 120-128	7.6	19
337	The growth and form of knowledge networks by kinesthetic curiosity. <i>Current Opinion in Behavioral Sciences</i> , <b>2020</b> , 35, 125-134	4	3
336	Dynamic reconfiguration of functional brain networks during working memory training. <i>Nature Communications</i> , <b>2020</b> , 11, 2435	17.4	43
335	Abstract representations of events arise from mental errors in learning and memory. <i>Nature Communications</i> , <b>2020</b> , 11, 2313	17.4	11
334	Learning in brain-computer interface control evidenced by joint decomposition of brain and behavior. <i>Journal of Neural Engineering</i> , <b>2020</b> , 17, 046018	5	8
333	Control of brain network dynamics across diverse scales of space and time. <i>Physical Review E</i> , <b>2020</b> , 101, 062301	2.4	7
332	Reorderability of node-filtered order complexes. <i>Physical Review E</i> , <b>2020</b> , 101, 052311	2.4	5
331	Multimodal network dynamics underpinning working memory. <i>Nature Communications</i> , <b>2020</b> , 11, 3035	17.4	39
330	Human information processing in complex networks. <i>Nature Physics</i> , <b>2020</b> , 16, 965-973	16.2	14
329	Dynamic representations in networked neural systems. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 908-917	25.5	23
328	The extent and drivers of gender imbalance in neuroscience reference lists. <i>Nature Neuroscience</i> , <b>2020</b> , 23, 918-926	25.5	125
327	Invertible generalized synchronization: A putative mechanism for implicit learning in neural systems. <i>Chaos</i> , <b>2020</b> , 30, 063133	3.3	7
326	Conditions for Feedback Linearization of Network Systems <b>2020</b> , 4, 578-583		1
325	Multi-scale network regression for brain-phenotype associations. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 2553-2566	10	10
324	Imaging local genetic influences on cortical folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 7430-7436	11.5	13

323	Supervised chaotic source separation by a tank of water. <i>Chaos</i> , <b>2020</b> , 30, 021101	3.3	4
322	Space-independent community and hub structure of functional brain networks. <i>NeuroImage</i> , <b>2020</b> , 211, 116612	7.9	21
321	Individual Variation in Functional Topography of Association Networks in Youth. <i>Neuron</i> , <b>2020</b> , 106, 340-353.e861	3.9	81
320	Network architectures supporting learnability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 375, 20190323	5.8	7
319	Model-based design for seizure control by stimulation. <i>Journal of Neural Engineering</i> , <b>2020</b> , 17, 026009	5	7
318	A practical guide to methodological considerations in the controllability of structural brain networks. <i>Journal of Neural Engineering</i> , <b>2020</b> , 17, 026031	5	25
317	Functional disconnection of associative cortical areas predicts performance during BCI training. <i>NeuroImage</i> , <b>2020</b> , 209, 116500	7.9	13
316	Finding the needle in a high-dimensional haystack: Canonical correlation analysis for neuroscientists. <i>NeuroImage</i> , <b>2020</b> , 216, 116745	7.9	50
315	Functional brain network reconfiguration during learning in a dynamic environment. <i>Nature Communications</i> , <b>2020</b> , 11, 1682	17.4	12
314	The sensitivity of network statistics to incomplete electrode sampling on intracranial EEG. <i>Network Neuroscience</i> , <b>2020</b> , 4, 484-506	5.6	5
313	Leveraging multi-shell diffusion for studies of brain development in youth and young adulthood. <i>Developmental Cognitive Neuroscience</i> , <b>2020</b> , 43, 100788	5.5	27
312	On the Nature of Explanations Offered by Network Science: A Perspective From and for Practicing Neuroscientists. <i>Topics in Cognitive Science</i> , <b>2020</b> , 12, 1272-1293	2.5	13
311	Topology in Biology <b>2020</b> , 1-23		1
310	Comment le cerveau crée la pensée <b>2020</b> , N° 117, 18-27		
309	A Network Science of the Practice of Curiosity <b>2020</b> , 57-74		3
308	Optimization of energy state transition trajectory supports the development of executive function during youth. <i>ELife</i> , <b>2020</b> , 9,	8.9	19
307	The architecture of co-morbidity networks of physical and mental health conditions in military veterans. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2020</b> , 476, 20190790	2.4	1
306	Linear Dynamics and Control of Brain Networks <b>2020</b> , 497-518		5

305	Impact of childhood adversity on network reconfiguration dynamics during working memory in hypogonadal women. <i>Psychoneuroendocrinology</i> , <b>2020</b> , 119, 104710	5	2
304	Within-person variability in sensation-seeking during daily life: Positive associations with alcohol use and self-defined risky behaviors. <i>Psychology of Addictive Behaviors</i> , <b>2020</b> , 34, 257-268	3.4	11
303	Temporal sequences of brain activity at rest are constrained by white matter structure and modulated by cognitive demands. <i>Communications Biology</i> , <b>2020</b> , 3, 261	6.7	36
302	Network structure of cascading neural systems predicts stimulus propagation and recovery. <i>Journal of Neural Engineering</i> , <b>2020</b> , 17, 056045	5	4
301	Within-person variability in curiosity during daily life and associations with well-being. <i>Journal of Personality</i> , <b>2020</b> , 88, 625-641	4.4	15
300	Functional brain network architecture supporting the learning of social networks in humans. <i>NeuroImage</i> , <b>2020</b> , 210, 116498	7.9	17
299	Data-Driven Approaches to Neuroimaging Analysis to Enhance Psychiatric Diagnosis and Therapy. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , <b>2020</b> , 5, 780-790	3.4	8
298	Glucocerebrosidase Activity Modulates Neuronal Susceptibility to Pathological $\beta$ Synuclein Insult. <i>Neuron</i> , <b>2020</b> , 105, 822-836.e7	13.9	39
297	Development of structure-function coupling in human brain networks during youth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 771-778	11.5	97
296	Disrupted basal ganglia-thalamocortical loops in focal to bilateral tonic-clonic seizures. <i>Brain</i> , <b>2020</b> , 143, 175-190	11.2	33
295	Heritability and Cognitive Relevance of Structural Brain Controllability. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 3044-3054	3.4	13
294	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. <i>Network Neuroscience</i> , <b>2020</b> , 4, 30-69	5.6	159
293	Emerging roles of network analysis for epilepsy. <i>Epilepsy Research</i> , <b>2020</b> , 159, 106255	3	15
292	(In)citing Action to Realize an Equitable Future. <i>Neuron</i> , <b>2020</b> , 106, 890-894	13.9	17
291	Gene coexpression patterns predict opiate-induced brain-state transitions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 19556-19565	11.5	7
290	How humans learn and represent networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29407-29415	11.5	13
289	The brain produces mind by modeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29299-29301	11.5	1
288	Flexible Coordinator and Switcher Hubs for Adaptive Task Control. <i>Journal of Neuroscience</i> , <b>2020</b> , 40, 6949-6968	6.6	20

287	Defining and predicting transdiagnostic categories of neurodegenerative disease. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 787-800	19	8
286	The Citation Diversity Statement: A Practice of Transparency, A Way of Life. <i>Trends in Cognitive Sciences</i> , <b>2020</b> , 24, 669-672	14	24
285	Path-dependent connectivity, not modularity, consistently predicts controllability of structural brain networks. <i>Network Neuroscience</i> , <b>2020</b> , 4, 1091-1121	5.6	3
284	Memory Sequencing Reveals Heritable Single-Cell Gene Expression Programs Associated with Distinct Cellular Behaviors. <i>Cell</i> , <b>2020</b> , 182, 947-959.e17	56.2	48
283	Response inhibition in adolescents is moderated by brain connectivity and social network structure. <i>Social Cognitive and Affective Neuroscience</i> , <b>2020</b> , 15, 827-837	4	3
282	Models of communication and control for brain networks: distinctions, convergence, and future outlook. <i>Network Neuroscience</i> , <b>2020</b> , 4, 1122-1159	5.6	9
281	Architecture and evolution of semantic networks in mathematics texts. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2020</b> , 476, 20190741	2.4	4
280	Reflections on the past two decades of neuroscience. <i>Nature Reviews Neuroscience</i> , <b>2020</b> , 21, 524-534	13.5	15
279	Relations between large-scale brain connectivity and effects of regional stimulation depend on collective dynamical state. <i>PLoS Computational Biology</i> , <b>2020</b> , 16, e1008144	5	6
278	Thalamus and focal to bilateral seizures: A multiscale cognitive imaging study. <i>Neurology</i> , <b>2020</b> , 95, e2420-2441	2.5	19
277	Benchmarking Measures of Network Controllability on Canonical Graph Models. <i>Journal of Nonlinear Science</i> , <b>2020</b> , 30, 2195-2233	2.8	19
276	The Network Structure of Tobacco Withdrawal in a Community Sample of Smokers Treated With Nicotine Patch and Behavioral Counseling. <i>Nicotine and Tobacco Research</i> , <b>2020</b> , 22, 408-414	4.9	7
275	Associations between Neighborhood SES and Functional Brain Network Development. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 1-19	5.1	34
274	. <i>IEEE Transactions on Control of Network Systems</i> , <b>2020</b> , 7, 302-314	4	32
273	Unifying the Notions of Modularity and Core-Periphery Structure in Functional Brain Networks during Youth. <i>Cerebral Cortex</i> , <b>2020</b> , 30, 1087-1102	5.1	3
272	Reconfigurations within resonating communities of brain regions following TMS reveal different scales of processing. <i>Network Neuroscience</i> , <b>2020</b> , 4, 611-636	5.6	0
271	White Matter Network Architecture Guides Direct Electrical Stimulation through Optimal State Transitions. <i>Cell Reports</i> , <b>2019</b> , 28, 2554-2566.e7	10.6	41
270	Accelerated cortical thinning within structural brain networks is associated with irritability in youth. <i>Neuropsychopharmacology</i> , <b>2019</b> , 44, 2254-2262	8.7	12



269	Repetitive negative thinking in daily life and functional connectivity among default mode, fronto-parietal, and salience networks. <i>Translational Psychiatry</i> , <b>2019</b> , 9, 234	8.6	20
268	Structural and functional asymmetry of medial temporal subregions in unilateral temporal lobe epilepsy: A 7T MRI study. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 2390-2398	5.9	22
267	Multi-scale detection of hierarchical community architecture in structural and functional brain networks. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215520	3.7	19
266	Structural, geometric and genetic factors predict interregional brain connectivity patterns probed by electrocorticography. <i>Nature Biomedical Engineering</i> , <b>2019</b> , 3, 902-916	19	45
265	RE: Warnings and caveats in brain controllability. <i>NeuroImage</i> , <b>2019</b> , 197, 586-588	7.9	10
264	Effective learning is accompanied by high-dimensional and efficient representations of neural activity. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1000-1009	25.5	19
263	Characterizing the role of the structural connectome in seizure dynamics. <i>Brain</i> , <b>2019</b> , 142, 1955-1972	11.2	19
262	Temporal lobe epilepsy: Hippocampal pathology modulates connectome topology and controllability. <i>Neurology</i> , <b>2019</b> , 92, e2209-e2220	6.5	43
261	The emergent integrated network structure of scientific research. <i>PLoS ONE</i> , <b>2019</b> , 14, e0216146	3.7	8
260	Functional control of electrophysiological network architecture using direct neurostimulation in humans. <i>Network Neuroscience</i> , <b>2019</b> , 3, 848-877	5.6	27
259	The physics of brain network structure, function and control. <i>Nature Reviews Physics</i> , <b>2019</b> , 1, 318-332	23.6	84
258	Conformational control of mechanical networks. <i>Nature Physics</i> , <b>2019</b> , 15, 714-720	16.2	11
257	Using Neuroimaging to Predict Behavior: An Overview with a Focus on the Moderating Role of Sociocultural Context <b>2019</b> , 205-230		3
256	Integrating EEG and MEG Signals to Improve Motor Imagery Classification in Brain-Computer Interface. <i>International Journal of Neural Systems</i> , <b>2019</b> , 29, 1850014	6.2	45
255	Human Sensitivity to Community Structure Is Robust to Topological Variation. <i>Complexity</i> , <b>2019</b> , 2019, 1-8	1.6	13
254	High interictal connectivity within the resection zone is associated with favorable post-surgical outcomes in focal epilepsy patients. <i>NeuroImage: Clinical</i> , <b>2019</b> , 23, 101908	5.3	16
253	Brain-based ranking of cognitive domains to predict schizophrenia. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 4487-4507	5.9	12
252	The community structure of functional brain networks exhibits scale-specific patterns of inter- and intra-subject variability. <i>NeuroImage</i> , <b>2019</b> , 202, 115990	7.9	52

251	Spread of $\beta$ -synuclein pathology through the brain connectome is modulated by selective vulnerability and predicted by network analysis. <i>Nature Neuroscience</i> , <b>2019</b> , 22, 1248-1257	25.5	100
250	A subset of topologically associating domains fold into mesoscale core-periphery networks. <i>Scientific Reports</i> , <b>2019</b> , 9, 9526	4.9	5
249	Virtual resection predicts surgical outcome for drug-resistant epilepsy. <i>Brain</i> , <b>2019</b> , 142, 3892-3905	11.2	42
248	Surges of Collective Human Activity Emerge from Simple Pairwise Correlations. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	5
247	Network structure of neural systems supporting cascading dynamics predicts stimulus propagation and recovery <b>2019</b> ,		2
246	Seizing an opportunity. <i>ELife</i> , <b>2019</b> , 8,	8.9	2
245	Individual differences in learning social and nonsocial network structures. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , <b>2019</b> , 45, 253-271	2.2	11
244	The importance of the whole: Topological data analysis for the network neuroscientist. <i>Network Neuroscience</i> , <b>2019</b> , 3, 656-673	5.6	54
243	A Framework to Control Functional Connectivity in the Human Brain <b>2019</b> ,		6
242	Network architecture of energy landscapes in mesoscopic quantum systems. <i>New Journal of Physics</i> , <b>2019</b> , 21, 123049	2.9	1
241	Stability of spontaneous, correlated activity in mouse auditory cortex. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007360	5	8
240	Intersubject Synchronization of Late Adolescent Brain Responses to Violent Movies: A Virtue-Ethics Approach. <i>Frontiers in Behavioral Neuroscience</i> , <b>2019</b> , 13, 260	3.5	3
239	Exact and Approximate Stability Conditions for Cluster Synchronization of Kuramoto Oscillators <b>2019</b> ,		6
238	Brain Activity Tracks Population Information Sharing by Capturing Consensus Judgments of Value. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 3102-3110	5.1	12
237	Digital phenotyping for psychiatry: Accommodating data and theory with network science methodologies. <i>Current Opinion in Biomedical Engineering</i> , <b>2019</b> , 9, 8-13	4.4	21
236	Structural Controllability of Symmetric Networks. <i>IEEE Transactions on Automatic Control</i> , <b>2019</b> , 64, 3740-3747	5.3	31
235	Person-Based Brain Morphometric Similarity is Heritable and Correlates With Biological Features. <i>Cerebral Cortex</i> , <b>2019</b> , 29, 852-862	5.1	12
234	Network neuroscience for optimizing brain-computer interfaces. <i>Physics of Life Reviews</i> , <b>2019</b> , 31, 304-309	3.1	19

233	Harnessing networks and machine learning in neuropsychiatric care. <i>Current Opinion in Neurobiology</i> , <b>2019</b> , 55, 32-39	7.6	8
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64	Reproducibility of graph metrics of human brain functional networks. <i>NeuroImage</i> , <b>2009</b> , 47, 1460-8	7.9	184
63	Know your place: neural processing of social hierarchy in humans. <i>Neuron</i> , <b>2008</b> , 58, 273-83	13.9	388
62	Hierarchical organization of human cortical networks in health and schizophrenia. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 9239-48	6.6	907
61	Fractal connectivity of long-memory networks. <i>Physical Review E</i> , <b>2008</b> , 77, 036104	2.4	101
60	A validated network of effective amygdala connectivity. <i>NeuroImage</i> , <b>2007</b> , 36, 736-45	7.9	325
59	Adaptive reconfiguration of fractal small-world human brain functional networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 19518-23	11.5	646
58	A multilayer network model of neuron-astrocyte populations in vitro reveals mGluR5 inhibition is protective following traumatic injury. <i>Network Neuroscience</i> , 1-46	5.6	1
57	Efficient coding in the economics of human brain connectomics. <i>Network Neuroscience</i> , 1-40	5.6	1
56	Multimodal connectome biomarkers of cognitive and affective dysfunction in the common epilepsies. <i>Network Neuroscience</i> , 1-33	5.6	0
55	Learning differentially reorganizes brain activity and connectivity		1
54	Gender Imbalance in the Editorial Activities of a Researcher-led Journal		1

53	On the nature of explanations offered by network science: A perspective from and for practicing neuroscientists	
52	Hunters, busybodies, and the knowledge network building associated with curiosity	5
51	Gendered Citation Practices in the Field of Communication	2
50	Single-cell Networks Reorganise to Facilitate Whole-brain Supercritical Dynamics During Epileptic Seizures	1
49	Fronto-limbic dysconnectivity leads to impaired brain network controllability in young people with bipolar disorder and those at high genetic risk	1
48	White Matter Network Architecture Guides Direct Electrical Stimulation Through Optimal State Transitions	1
47	Optimization of Energy State Transition Trajectory Supports the Development of Executive Function During Youth	1
46	The community structure of functional brain networks exhibits scale-specific patterns of variability across individuals and time	4
45	Generative network models identify biological mechanisms of altered structural brain connectivity in schizophrenia	1
44	Advantages of Multi-shell Diffusion for Studies of Brain Development in Youth	1
43	Functional brain network reconfiguration during learning in a dynamic environment	1
42	Evaluating the sensitivity of functional connectivity measures to motion artifact in resting-state fMRI data	2
41	Virtual cortical resection reveals push-pull network control preceding seizure evolution	1
40	Predicting future learning from baseline network architecture	3
39	Detecting hierarchical 3-D genome domain reconfiguration with network modularity	1
38	Recurring functional interactions predict network architecture of interictal and ictal states in neocortical epilepsy	6
37	Dynamic flexibility in striatal-cortical circuits supports reinforcement learning	4
36	Brain connectivity dynamics during social interaction reflect social network structure	3

35	Beyond modularity: Fine-scale mechanisms and rules for brain network reconfiguration	2
34	Modelling and Interpreting Network Dynamics	7
33	Subgraphs of functional brain networks identify dynamical constraints of cognitive control	1
32	The extent and drivers of gender imbalance in neuroscience reference lists	21
31	Efficient Coding in the Economics of Human Brain Connectomics	3
30	Deep Neural Networks Carve the Brain at its Joints	5
29	Multimodal in vivo recording using transparent graphene microelectrodes illuminates spatiotemporal seizure dynamics at the microscale	1
28	Human brain function during pattern separation follows hippocampal and neocortical connectivity gradients	1
27	QSIPrep: An integrative platform for preprocessing and reconstructing diffusion MRI	10
26	Racial and ethnic imbalance in neuroscience reference lists and intersections with gender	26
25	In vitro characterisation and neurosteroid treatment of an N-Methyl-D-Aspartate receptor antibody-mediated seizure model	1
24	Predictive control of electrophysiological network architecture using direct, single-node neurostimulation in humans	4
23	Non-assortative community structure in resting and task-evoked functional brain networks	9
22	Memory sequencing reveals heritable single cell gene expression programs associated with distinct cellular behaviors	6
21	Response Inhibition in Adolescents is Moderated by Brain Connectivity and Social Network Structure	2
20	Local structural connectivity directs seizure spread in focal epilepsy	1
19	Genetic and neuroanatomical support for functional brain network dynamics in epilepsy	3
18	Context-dependent architecture of brain state dynamics is explained by white matter connectivity and theories of network control	1

17	High interictal connectivity within the resection zone is associated with favorable post-surgical outcomes in focal epilepsy patients		1
16	Reconfigurations within resonating communities of brain regions following TMS reveal different scales of processing		1
15	Network topology of neural systems supporting avalanche dynamics predicts stimulus propagation and recovery		2
14	Space-independent community and hub structure of functional brain networks		1
13	Multi-Scale Network Regression for Brain-Phenotype Associations		2
12	A dynamical systems framework to uncover the drivers of large-scale cortical activity		2
11	Brain state stability during working memory is explained by network control theory, modulated by dopamine D1/D2 receptor function, and diminished in schizophrenia		8
10	Dynamic reconfiguration of functional brain networks during working memory training		1
9	Individual Variation in Control Network Topography Supports Executive Function in Youth		1
8	Structural control energy of resting-state functional brain states reveals inefficient brain dynamics in psychosis vulnerability		3
7	A multilayer network model of neuron-astrocyte populations in vitro reveals mGluR5 inhibition is protective following traumatic injury		1
6			
5	Applications of community detection techniques to brain graphs: Algorithmic considerations and implications for neural function		1
4	Network controllability mediates the relationship between rigid structure and flexible dynamics		1
3	Daily Stressor-Related Negative Mood and its Associations with Flourishing and Daily Curiosity. <i>Journal of Happiness Studies</i> ,1	3-7	1
2	Dissociable Multi-scale Patterns of Development in Personalized Brain Networks		1
1	Functional brain network community structure in childhood: Unfinished territories and fuzzy boundaries		1