

Dimitri Van De Ville

List of Publications by Year in descending order

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Version: 2024-02-01

389
papers

15,555
citations

34016

52
h-index

30848

102
g-index

427
all docs

427
docs citations

427
times ranked

14101
citing authors

#	ARTICLE	IF	CITATIONS
1	Spinal Cord fMRI: A New Window into the Central Nervous System. <i>Neuroscientist</i> , 2023, 29, 715-731.	2.6	18
2	Altered anterior default mode network dynamics in progressive multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2022, 28, 206-216.	1.4	4
3	Musical memories in newborns: A resting-state functional connectivity study. <i>Human Brain Mapping</i> , 2022, 43, 647-664.	1.9	11
4	Robotically-induced hallucination triggers subtle changes in brain network transitions. <i>NeuroImage</i> , 2022, 248, 118862.	2.1	6
5	Activity-dependent spinal cord neuromodulation rapidly restores trunk and leg motor functions after complete paralysis. <i>Nature Medicine</i> , 2022, 28, 260-271.	15.2	174
6	Brain structure-function coupling provides signatures for task decoding and individual fingerprinting. <i>NeuroImage</i> , 2022, 250, 118970.	2.1	37
7	Towards reliable spinal cord fMRI: Assessment of common imaging protocols. <i>NeuroImage</i> , 2022, 250, 118964.	2.1	22
8	Real-time and Recursive Estimators for Functional MRI Quality Assessment. <i>Neuroinformatics</i> , 2022, 20, 897-917.	1.5	3
9	Functional connectivity underlying cognitive and psychiatric symptoms in post-COVID-19 syndrome: is anosognosia a key determinant?. <i>Brain Communications</i> , 2022, 4, fcac057.	1.5	35
10	Post-stroke reorganization of transient brain activity characterizes deficits and recovery of cognitive functions. <i>NeuroImage</i> , 2022, 255, 119201.	2.1	10
11	Dynamics of functional network organization through graph mixture learning. <i>NeuroImage</i> , 2022, 252, 119037.	2.1	5
12	Identifying Disease-Specific Neural Reactivity to Psychosocial Stress in Borderline Personality Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 1137-1148.	1.1	2
13	Six Months of Piano Training in Healthy Elderly Stabilizes White Matter Microstructure in the Fornix, Compared to an Active Control Group. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 817889.	1.7	12
14	Graph Theoretical Analysis of Structural Covariance Reveals the Relevance of Visuospatial and Attentional Areas in Essential Tremor Recovery After Stereotactic Radiosurgical Thalamotomy. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, .	1.7	7
15	Multi-centre classification of functional neurological disorders based on resting-state functional connectivity. <i>NeuroImage: Clinical</i> , 2022, 35, 103090.	1.4	6
16	Integrating regional perfusion CT information to improve prediction of infarction after stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 502-510.	2.4	10
17	Shedding light on excessive crying in babies. <i>Pediatric Research</i> , 2021, 89, 1239-1244.	1.1	4
18	Maladaptive emotion regulation traits predict altered corticolimbic recovery from psychosocial stress. <i>Journal of Affective Disorders</i> , 2021, 280, 54-63.	2.0	8

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19	Dynamic functional networks in idiopathic normal pressure hydrocephalus: Alterations and reversibility by CSF tap test. <i>Human Brain Mapping</i> , 2021, 42, 1485-1502.	1.9	15
20	NREM sleep stages specifically alter dynamical integration of large-scale brain networks. <i>IScience</i> , 2021, 24, 101923.	1.9	25
21	Brain functional connectivity dynamics at rest in the aftermath of affective and cognitive challenges. <i>Human Brain Mapping</i> , 2021, 42, 1054-1069.	1.9	20
22	Structural Neuroplastic Responses Preserve Functional Connectivity and Neurobehavioural Outcomes in Children Born Without Corpus Callosum. <i>Cerebral Cortex</i> , 2021, 31, 1227-1239.	1.6	13
23	Intra- and inter-hemispheric structural connectome in agenesis of the corpus callosum. <i>NeuroImage: Clinical</i> , 2021, 31, 102709.	1.4	5
24	The Brain Connectome after Gamma Knife Radiosurgery of the Vento-Intermediate Nucleus for Tremor: Marseille-Lausanne Radiobiology Study Protocol. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 387-392.	0.8	1
25	Altered orbitofrontal activation in preterm-born young adolescents during performance of a reality filtering task. <i>NeuroImage: Clinical</i> , 2021, 30, 102668.	1.4	4
26	Structural control energy of resting-state functional brain states reveals less cost-effective brain dynamics in psychosis vulnerability. <i>Human Brain Mapping</i> , 2021, 42, 2181-2200.	1.9	18
27	Robot-induced hallucinations in Parkinson's disease depend on altered sensorimotor processing in fronto-temporal network. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	29
28	Temporal complexity of fMRI is reproducible and correlates with higher order cognition. <i>NeuroImage</i> , 2021, 230, 117760.	2.1	28
29	Dynamics of amygdala connectivity in bipolar disorders: a longitudinal study across mood states. <i>Neuropsychopharmacology</i> , 2021, 46, 1693-1701.	2.8	25
30	Revisiting brain rewiring and plasticity in children born without corpus callosum. <i>Developmental Science</i> , 2021, 24, e13126.	1.3	6
31	Reward biases spontaneous neural reactivation during sleep. <i>Nature Communications</i> , 2021, 12, 4162.	5.8	36
32	Dysmaturation Observed as Altered Hippocampal Functional Connectivity at Rest Is Associated With the Emergence of Positive Psychotic Symptoms in Patients With 22q11 Deletion Syndrome. <i>Biological Psychiatry</i> , 2021, 90, 58-68.	0.7	18
33	Predictors of real-time fMRI neurofeedback performance and improvement – A machine learning mega-analysis. <i>NeuroImage</i> , 2021, 237, 118207.	2.1	22
34	Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers. <i>Scientific Data</i> , 2021, 8, 219.	2.4	27
35	Generic acquisition protocol for quantitative MRI of the spinal cord. <i>Nature Protocols</i> , 2021, 16, 4611-4632.	5.5	65
36	Alzheimer's Disease Biomarkers in Idiopathic Normal Pressure Hydrocephalus: Linking Functional Connectivity and Clinical Outcome. <i>Journal of Alzheimer's Disease</i> , 2021, 83, 1-12.	1.2	8

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37	Mood disorders disrupt the functional dynamics, not spatial organization of brain resting state networks. <i>NeuroImage: Clinical</i> , 2021, 32, 102833.	1.4	23
38	Characterization and prediction of clinical pathways of vulnerability to psychosis through graph signal processing. <i>ELife</i> , 2021, 10, .	2.8	7
39	Real-time fMRI and EEG neurofeedback: A perspective on applications for the rehabilitation of spatial neglect. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101561.	1.1	3
40	Dynamic functional brain networks underlying the temporal inertia of negative emotions. <i>NeuroImage</i> , 2021, 240, 118377.	2.1	10
41	Exploring MEG brain fingerprints: Evaluation, pitfalls, and interpretations. <i>NeuroImage</i> , 2021, 240, 118331.	2.1	41
42	Large-scale functional network dynamics in human callosal agenesis: Increased subcortical involvement and preserved laterality. <i>NeuroImage</i> , 2021, 243, 118471.	2.1	5
43	Interpreting null models of resting-state functional MRI dynamics: not throwing the model out with the hypothesis. <i>NeuroImage</i> , 2021, 243, 118518.	2.1	24
44	Fronto-limbic neural variability as a transdiagnostic correlate of emotion dysregulation. <i>Translational Psychiatry</i> , 2021, 11, 545.	2.4	31
45	When makes you unique: Temporality of the human brain fingerprint. <i>Science Advances</i> , 2021, 7, eabj0751.	4.7	54
46	Structure-function dependencies as informative features for brain decoding and fingerprinting. , 2021, , .		1
47	A comprehensive error rate for multiple testing. <i>Statistical Papers</i> , 2020, 61, 1859-1874.	0.7	1
48	Identifying microbial species by single-molecule DNA optical mapping and resampling statistics. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz007.	1.5	15
49	Deconvolution of Sustained Neural Activity From Large-Scale Calcium Imaging Data. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 1094-1103.	5.4	0
50	Graph theory analysis of resting-state functional magnetic resonance imaging in essential tremor. <i>Human Brain Mapping</i> , 2020, 41, 1689-1694.	1.9	6
51	Agito ergo sum: Correlates of spatio-temporal motion characteristics during fMRI. <i>NeuroImage</i> , 2020, 209, 116433.	2.1	28
52	Pituitary dysmaturation affects psychopathology and neurodevelopment in 22q11.2 Deletion Syndrome. <i>Psychoneuroendocrinology</i> , 2020, 113, 104540.	1.3	15
53	S143. NEURAL MECHANISMS OF ROBOT-INDUCED HALLUCINATIONS IN HEALTHY PARTICIPANTS AND SYMPTOMATIC HALLUCINATIONS OF NEUROLOGICAL AND PSYCHIATRIC ORIGIN. <i>Schizophrenia Bulletin</i> , 2020, 46, S90-S91.	2.3	0
54	First-person body view modulates the neural substrates of episodic memory and auto-noetic consciousness: A functional connectivity study. <i>NeuroImage</i> , 2020, 223, 117370.	2.1	12

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55	Dynamic Functional Connectivity of Resting-State Spinal Cord fMRI Reveals Fine-Grained Intrinsic Architecture. <i>Neuron</i> , 2020, 108, 424-435.e4.	3.8	38
56	Tapping into Multi-Faceted Human Behavior and Psychopathology Using fMRI Brain Dynamics. <i>Trends in Neurosciences</i> , 2020, 43, 667-680.	4.2	63
57	Train the brain with music (TBM): brain plasticity and cognitive benefits induced by musical training in elderly people in Germany and Switzerland, a study protocol for an RCT comparing musical instrumental practice to sensitization to music. <i>BMC Geriatrics</i> , 2020, 20, 418.	1.1	28
58	Can we predict real-time <scp>fMRI</scp> neurofeedback learning success from pretraining brain activity?. <i>Human Brain Mapping</i> , 2020, 41, 3839-3854.	1.9	27
59	Revisiting correlation-based functional connectivity and its relationship with structural connectivity. <i>Network Neuroscience</i> , 2020, 4, 1235-1251.	1.4	53
60	Generative Adversarial Networks Improve the Reproducibility and Discriminative Power of Radiomic Features. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190035.	3.0	16
61	Deep Learning to Automate Reference-Free Image Quality Assessment of Whole-Heart MR Images. <i>Radiology: Artificial Intelligence</i> , 2020, 2, e190123.	3.0	18
62	A multimodal approach to capture post-stroke temporal dynamics of recovery. <i>Journal of Neural Engineering</i> , 2020, 17, 045002.	1.8	31
63	Dynamics of Brain Activity Captured by Graph Signal Processing of Neuroimaging Data to Predict Human Behaviour. , 2020, , .		5
64	Structural mediation of human brain activity revealed by white-matter interpolation of fMRI. <i>NeuroImage</i> , 2020, 213, 116718.	2.1	31
65	Consensus on the reporting and experimental design of clinical and cognitive-behavioural neurofeedback studies (CRED-nf checklist). <i>Brain</i> , 2020, 143, 1674-1685.	3.7	188
66	TASH: Toolbox for the Automated Segmentation of Heschl's gyrus. <i>Scientific Reports</i> , 2020, 10, 3887.	1.6	20
67	Resting-state EEG topographies: Reliable and sensitive signatures of unilateral spatial neglect. <i>NeuroImage: Clinical</i> , 2020, 26, 102237.	1.4	9
68	Triple Network Model Dynamically Revisited: Lower Salience Network State Switching in Pre-psychosis. <i>Frontiers in Physiology</i> , 2020, 11, 66.	1.3	49
69	Get real: Orbitofrontal cortex mediates the ability to sense reality in early adolescents. <i>Brain and Behavior</i> , 2020, 10, e01552.	1.0	6
70	Brainstem Correlates of a Cold Pressor Test Measured by Ultra-High Field fMRI. <i>Frontiers in Neuroscience</i> , 2020, 14, 39.	1.4	12
71	Neural circuits of idiopathic Normal Pressure Hydrocephalus: A perspective review of brain connectivity and symptoms meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 112, 452-471.	2.9	12
72	Time-resolved effective connectivity in task fMRI: Psychophysiological interactions of Co-Activation patterns. <i>NeuroImage</i> , 2020, 212, 116635.	2.1	13

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73	TbCAPs: A toolbox for co-activation pattern analysis. <i>NeuroImage</i> , 2020, 211, 116621.	2.1	36
74	Neural responses in autism during movie watching: Inter-individual response variability co-varies with symptomatology. <i>NeuroImage</i> , 2020, 216, 116571.	2.1	23
75	The role of the subgenual anterior cingulate cortex in dorsomedial prefrontalâ€œamygdala neural circuitry during positiveâ€œsocial emotion regulation. <i>Human Brain Mapping</i> , 2020, 41, 3100-3118.	1.9	43
76	Disentangling the origins of confidence in speeded perceptual judgments through multimodal imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8382-8390.	3.3	49
77	Sparse coupled logistic regression to estimate co-activation and modulatory influences of brain regions. <i>Journal of Neural Engineering</i> , 2020, 17, 065003.	1.8	2
78	Community-Aware Graph Signal Processing: Modularity Defines New Ways of Processing Graph Signals. <i>IEEE Signal Processing Magazine</i> , 2020, 37, 150-159.	4.6	5
79	Computational imaging during video game playing shows dynamic synchronization of cortical and subcortical networks of emotions. <i>PLoS Biology</i> , 2020, 18, e3000900.	2.6	15
80	Normalization of aberrant pretherapeutic dynamic functional connectivity of extrastriate visual system in patients who underwent thalamotomy with stereotactic radiosurgery for essential tremor: a resting-state functional MRI study. <i>Journal of Neurosurgery</i> , 2020, 132, 1792-1801.	0.9	19
81	Resting-State Brain Activity for Early Prediction Outcome in Postanoxic Patients in a Coma with Indeterminate Clinical Prognosis. <i>American Journal of Neuroradiology</i> , 2020, 41, 1022-1030.	1.2	25
82	Graph Signal Processing: Foundations and Emerging Directions [From the Guest Editors]. <i>IEEE Signal Processing Magazine</i> , 2020, 37, 11-13.	4.6	14
83	Title is missing!. , 2020, 18, e3000900.		0
84	Title is missing!. , 2020, 18, e3000900.		0
85	Title is missing!. , 2020, 18, e3000900.		0
86	Title is missing!. , 2020, 18, e3000900.		0
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89	Title is missing!. , 2020, 18, e3000900.		0
90	Title is missing!. , 2020, 18, e3000900.		0

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91	Structurally-Informed Deconvolution of Functional Magnetic Resonance Imaging Data. , 2019, , .		6
92	Time-frequency characterization of resting-state brain function reveals overlapping components with specific topology and frequency content. , 2019, , .		1
93	Brain Dynamics: Global Pulse and Brain State Switching. Current Biology, 2019, 29, R690-R692.	1.8	4
94	Decoupling of brain function from structure reveals regional behavioral specialization in humans. Nature Communications, 2019, 10, 4747.	5.8	163
95	Thalamotomy for tremor normalizes aberrant pre-therapeutic visual cortex functional connectivity. Brain, 2019, 142, e57-e57.	3.7	4
96	Bold Signal Deconvolution Under Uncertain H _A †Modynamics: A Semi-Blind Approach. , 2019, , .		1
97	Graph Spectral Analysis of Voxel-Wise Brain Graphs from Diffusion-Weighted Mri. , 2019, , .		4
98	Resting brain dynamics at different timescales capture distinct aspects of human behavior. Nature Communications, 2019, 10, 2317.	5.8	208
99	Domain-Informed Spline Interpolation. IEEE Transactions on Signal Processing, 2019, 67, 3909-3921.	3.2	8
100	Music in premature infants enhances high-level cognitive brain networks. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12103-12108.	3.3	94
101	Functional imaging of rostrocaudal spinal activity during upper limb motor tasks. NeuroImage, 2019, 200, 590-600.	2.1	22
102	Large-Scale Brain Network Dynamics Provide a Measure of Psychosis and Anxiety in 22q11.2 Deletion Syndrome. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 881-892.	1.1	35
103	Classification of degenerative parkinsonism subtypes by support-vector-machine analysis and striatal 123I-FP-CIT indices. Journal of Neurology, 2019, 266, 1771-1781.	1.8	35
104	Dynamic mode decomposition of resting-state and task fMRI. NeuroImage, 2019, 194, 42-54.	2.1	54
105	Regional Cerebral Perfusion and Cerebrovascular Reactivity in Elderly Controls With Subtle Cognitive Deficits. Frontiers in Aging Neuroscience, 2019, 11, 19.	1.7	17
106	Guided graph spectral embedding: Application to the <i>C. elegans</i> connectome. Network Neuroscience, 2019, 3, 807-826.	1.4	11
107	Dynamic Inter-subject Functional Connectivity Reveals Moment-to-Moment Brain Network Configurations Driven by Continuous or Communication Paradigms. Journal of Visualized Experiments, 2019, , .	0.2	8
108	GABA and glutamate moderate beta-amyloid related functional connectivity in cognitively unimpaired old-aged adults. NeuroImage: Clinical, 2019, 22, 101776.	1.4	28

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109	No time for drifting: Comparing performance and applicability of signal detrending algorithms for real-time fMRI. <i>NeuroImage</i> , 2019, 191, 421-429.	2.1	14
110	Current Opinions in Brain Imaging Methods and Applications. <i>Brain Topography</i> , 2019, 32, 923-925.	0.8	0
111	Data-driven tensor independent component analysis for model-based connectivity neurofeedback. <i>NeuroImage</i> , 2019, 184, 214-226.	2.1	9
112	Fast high-resolution brain metabolite mapping on a clinical 3T MRI by accelerated H ₂ FID-MRSI and low-rank constrained reconstruction. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2841-2857.	1.9	23
113	Brain networks for engaging oneself in positive-social emotion regulation. <i>NeuroImage</i> , 2019, 189, 106-115.	2.1	28
114	Letter: Deep Brain Stimulation of the Pedunclopontine Nucleus Area in Parkinson Disease: Magnetic Resonance Imaging-Based Anatomoclinical Correlations and Optimal Target. <i>Neurosurgery</i> , 2019, 84, E103-E105.	0.6	1
115	Spectral Design of Signal-Adapted Tight Frames on Graphs. <i>Signals and Communication Technology</i> , 2019, , 177-206.	0.4	8
116	Robust Recovery of Temporal Overlap Between Network Activity Using Transient-Informed Spatio-Temporal Regression. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 291-302.	5.4	30
117	Music processing in preterm and full-term newborns: A psychophysiological interaction (PPI) approach in neonatal fMRI. <i>NeuroImage</i> , 2019, 185, 857-864.	2.1	53
118	Using real-time fMRI neurofeedback to restore right occipital cortex activity in patients with left visuo-spatial neglect: proof-of-principle and preliminary results. <i>Neuropsychological Rehabilitation</i> , 2019, 29, 339-360.	1.0	18
119	Supervised learning to quantify amyloidosis in whole brains of an Alzheimer's disease mouse model acquired with optical projection tomography. <i>Biomedical Optics Express</i> , 2019, 10, 3041.	1.5	12
120	Slepian guided filtering of graph signals. , 2019, , .		0
121	Time-resolved analysis of dynamic graphs: an extended Slepian design. , 2019, , .		2
122	Letter to the Editor. Resting-state functional MRI for functional neurosurgery: seeing the light?. <i>Journal of Neurosurgery</i> , 2019, 131, 1339-1340.	0.9	0
123	Brain dynamics in ASD during movie-watching show idiosyncratic functional integration and segregation. <i>Human Brain Mapping</i> , 2018, 39, 2391-2404.	1.9	42
124	A Graph Signal Processing Perspective on Functional Brain Imaging. <i>Proceedings of the IEEE</i> , 2018, 106, 868-885.	16.4	172
125	Interactions Between Large-Scale Functional Brain Networks are Captured by Sparse Coupled HMMs. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 230-240.	5.4	32
126	Ventrolateral Motor Thalamus Abnormal Connectivity in Essential Tremor Before and After Thalamotomy: A Resting-State Functional Magnetic Resonance Imaging Study. <i>World Neurosurgery</i> , 2018, 113, e453-e464.	0.7	23

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127	Pretherapeutic Functional Imaging Allows Prediction of Head Tremor Arrest After Thalamotomy for Essential Tremor: The Role of Altered Interconnectivity Between Thalamolimbic and Supplementary Motor Circuits. <i>World Neurosurgery</i> , 2018, 112, e479-e488.	0.7	7
128	Focal versus distributed temporal cortex activity for speech sound category assignment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E1299-E1308.	3.3	36
129	Pretherapeutic functional neuroimaging predicts tremor arrest after thalamotomy. <i>Acta Neurologica Scandinavica</i> , 2018, 137, 500-508.	1.0	16
130	Clinical response to Vimâ€™s thalamic stereotactic radiosurgery for essential tremor is associated with distinctive functional connectivity patterns. <i>Acta Neurochirurgica</i> , 2018, 160, 611-624.	0.9	40
131	Visually-sensitive networks in essential tremor: evidence from structural and functional imaging. <i>Brain</i> , 2018, 141, e47-e47.	3.7	14
132	Laser doppler imaging as additional monitoring after digital replanting: A prospective study. <i>Microsurgery</i> , 2018, 38, 627-633.	0.6	1
133	Resting-State Networks of Adolescents Experiencing Depersonalization-Like Illusions: Cross-sectional and Longitudinal Findings. <i>Schizophrenia Bulletin</i> , 2018, 44, S501-S511.	2.3	14
134	Cortical Dysconnectivity Measured by Structural Covariance Is Associated With the Presence of Psychotic Symptoms in 22q11.2 Deletion Syndrome. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 433-442.	1.1	19
135	Identifying motor functional neurological disorder using resting-state functional connectivity. <i>NeuroImage: Clinical</i> , 2018, 17, 163-168.	1.4	42
136	Alpha Oscillations Reduce Temporal Long-Range Dependence in Spontaneous Human Brain Activity. <i>Journal of Neuroscience</i> , 2018, 38, 755-764.	1.7	35
137	Right Brodmann area 18 predicts tremor arrest after Vim radiosurgery: a voxel-based morphometry study. <i>Acta Neurochirurgica</i> , 2018, 160, 603-609.	0.9	24
138	Psychotic symptoms influence the development of anterior cingulate BOLD variability in 22q11.2 deletion syndrome. <i>Schizophrenia Research</i> , 2018, 193, 319-328.	1.1	20
139	Quantification of Resting-State fMRI Networks Driven by Hemodynamically Informed Spatiotemporal Regularization. , 2018, , .		0
140	211 Pretherapeutic Functional Neuroimaging Predicts Tremor Arrest After Stereotactic Radiosurgical Thalamotomy. <i>Neurosurgery</i> , 2018, 65, 119.	0.6	0
141	210 Vento-Lateral Motor Thalamus Abnormal Connectivity in Essential Tremor Before and After Stereotactic Radiosurgical Thalamotomy. <i>Neurosurgery</i> , 2018, 65, 118-119.	0.6	3
142	212 Visual, Salience and Motor Networks Are Related to Tremor Recovery After Stereotactic Radiosurgical Thalamotomy. <i>Neurosurgery</i> , 2018, 65, 119.	0.6	0
143	Graph Signal Processing of Human Brain Imaging Data. , 2018, , .		2
144	Brain imaging of locomotion in neurological conditions. <i>Neurophysiologie Clinique</i> , 2018, 48, 337-359.	1.0	40

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145	Graph slepian to strike a balance between local and global network interactions: Application to functional brain imaging. , 2018, , .		4
146	Brain Perfusion Measurements Using Multidelay Arterial Spin-Labeling Are Systematically Biased by the Number of Delays. American Journal of Neuroradiology, 2018, 39, 1432-1438.	1.2	21
147	Development of Structural Covariance From Childhood to Adolescence: A Longitudinal Study in 22q11.2DS. Frontiers in Neuroscience, 2018, 12, 327.	1.4	16
148	Pretherapeutic Motor Thalamus Resting-State Functional Connectivity with Visual Areas Predicts Tremor Arrest After Thalamotomy for Essential Tremor: Tracing the Cerebello-thalamo-visuo-motor Network. World Neurosurgery, 2018, 117, e438-e449.	0.7	11
149	Multivariate and predictive modelling of neural variability in mild cognitive impairment. , 2018, , .		0
150	Augmented Slepian: Bandlimited Functions That Counterbalance Energy in Selected Intervals. IEEE Transactions on Signal Processing, 2018, 66, 4013-4024.	3.2	4
151	Structural Correlates of Personality Dimensions in Healthy Aging and MCI. Frontiers in Psychology, 2018, 9, 2652.	1.1	3
152	Pretherapeutic resting-state fMRI profiles are associated with MR signature volumes after stereotactic radiosurgical thalamotomy for essential tremor. Journal of Neurosurgery, 2018, 129, 63-71.	0.9	12
153	Learning Control Over Emotion Networks Through Connectivity-Based Neurofeedback. Cerebral Cortex, 2017, 27, bhv311.	1.6	108
154	Active pain coping is associated with the response in real-time fMRI neurofeedback during pain. Brain Imaging and Behavior, 2017, 11, 712-721.	1.1	33
155	Disentangling resting-state BOLD variability and PCC functional connectivity in 22q11.2 deletion syndrome. NeuroImage, 2017, 149, 85-97.	2.1	62
156	Continuous vs. intermittent neurofeedback to regulate auditory cortex activity of tinnitus patients using real-time fMRI - A pilot study. NeuroImage: Clinical, 2017, 14, 97-104.	1.4	62
157	High-Resolution fMRI of Auditory Cortical Map Changes in Unilateral Hearing Loss and Tinnitus. Brain Topography, 2017, 30, 685-697.	0.8	20
158	When Slepian Meets Fiedler: Putting a Focus on the Graph Spectrum. IEEE Signal Processing Letters, 2017, 24, 1001-1004.	2.1	23
159	Sparse coupled hidden Markov models shed light on resting-state fMRI cross-network interactions. , 2017, , .		3
160	OpenNFT: An open-source Python/Matlab framework for real-time fMRI neurofeedback training based on activity, connectivity and multivariate pattern analysis. NeuroImage, 2017, 156, 489-503.	2.1	57
161	Dynamic reorganization of intrinsic functional networks in the mouse brain. NeuroImage, 2017, 152, 497-508.	2.1	48
162	The dynamic functional connectome: State-of-the-art and perspectives. NeuroImage, 2017, 160, 41-54.	2.1	1,061

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163	Inter-hemispherical asymmetry in default-mode functional connectivity and BAIAP2 gene are associated with anger expression in ADHD adults. <i>Psychiatry Research - Neuroimaging</i> , 2017, 269, 54-61.	0.9	16
164	Dynamics of functional connectivity at high spatial resolution reveal long-range interactions and fine-scale organization. <i>Scientific Reports</i> , 2017, 7, 12773.	1.6	32
165	Electroencephalographic Resting-State Networks: Source Localization of Microstates. <i>Brain Connectivity</i> , 2017, 7, 671-682.	0.8	277
166	Assessing the clinical outcome of Vim radiosurgery with voxel-based morphometry: visual areas are linked with tremor arrest!. <i>Acta Neurochirurgica</i> , 2017, 159, 2139-2144.	0.9	40
167	Dynamics of large-scale fMRI networks: Deconstruct brain activity to build better models of brain function. <i>Current Opinion in Biomedical Engineering</i> , 2017, 3, 28-36.	1.8	58
168	EEG topographies provide subject-specific correlates of motor control. <i>Scientific Reports</i> , 2017, 7, 13229.	1.6	35
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