

Valentin Riedl

List of Publications by Year in descending order

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56
papers

7,189
citations

117453

34
h-index

161609

54
g-index

57
all docs

57
docs citations

57
times ranked

10235
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward discovery science of human brain function. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4734-4739.	3.3	2,703
2	Selective changes of resting-state networks in individuals at risk for Alzheimer's disease. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18760-18765.	3.3	957
3	Aberrant Dependence of Default Mode/Central Executive Network Interactions on Anterior Insular Saliency Network Activity in Schizophrenia. Schizophrenia Bulletin, 2014, 40, 428-437.	2.3	303
4	Insular dysfunction within the salience network is associated with severity of symptoms and aberrant inter-network connectivity in major depressive disorder. Frontiers in Human Neuroscience, 2013, 7, 930.	1.0	267
5	Aberrant topology of striatum's connectivity is associated with the number of episodes in depression. Brain, 2014, 137, 598-609.	3.7	189
6	Simultaneous Electroencephalographic and Functional Magnetic Resonance Imaging Indicate Impaired Cortical Top-down Processing in Association with Anesthetic-induced Unconsciousness. Anesthesiology, 2013, 119, 1031-1042.	1.3	153
7	Local Activity Determines Functional Connectivity in the Resting Human Brain: A Simultaneous FDG-PET/fMRI Study. Journal of Neuroscience, 2014, 34, 6260-6266.	1.7	149
8	Within-patient correspondence of amyloid- β^2 and intrinsic network connectivity in Alzheimer's disease. Brain, 2014, 137, 2052-2064.	3.7	126
9	Aberrant Intrinsic Connectivity of Hippocampus and Amygdala Overlap in the Fronto-Insular and Dorsomedial-Prefrontal Cortex in Major Depressive Disorder. Frontiers in Human Neuroscience, 2013, 7, 639.	1.0	123
10	Neural Correlates of Sevoflurane-induced Unconsciousness Identified by Simultaneous Functional Magnetic Resonance Imaging and Electroencephalography. Anesthesiology, 2016, 125, 861-872.	1.3	118
11	Evaluation of Multiband EPI Acquisitions for Resting State fMRI. PLoS ONE, 2015, 10, e0136961.	1.1	114
12	Insular Dysfunction Reflects Altered Between-Network Connectivity and Severity of Negative Symptoms in Schizophrenia during Psychotic Remission. Frontiers in Human Neuroscience, 2013, 7, 216.	1.0	111
13	Increased Intrinsic Brain Activity in the Striatum Reflects Symptom Dimensions in Schizophrenia. Schizophrenia Bulletin, 2013, 39, 387-395.	2.3	104
14	Early Morphologic and Spectroscopic Magnetic Resonance in Severe Traumatic Brain Injuries Can Detect "Invisible Brain Stem Damage" and Predict "Vegetative States". Journal of Neurotrauma, 2006, 23, 674-685.	1.7	103
15	Disrupted Intrinsic Networks Link Amyloid- β^2 Pathology and Impaired Cognition in Prodromal Alzheimer's Disease. Cerebral Cortex, 2015, 25, 4678-4688.	1.6	92
16	The lower hippocampus global connectivity, the higher its local metabolism in Alzheimer disease. Neurology, 2015, 84, 1956-1963.	1.5	87
17	Metabolic connectivity mapping reveals effective connectivity in the resting human brain. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 428-433.	3.3	84
18	Impact of Alzheimers Disease on the Functional Connectivity of Spontaneous Brain Activity. Current Alzheimer Research, 2009, 6, 541-553.	0.7	83

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19	Disconnection of Frontal and Parietal Areas Contributes to Impaired Attention in Very Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 25, 309-321.	1.2	79
20	Link between hippocampus' raised local and eased global intrinsic connectivity in AD. <i>Alzheimer's and Dementia</i> , 2015, 11, 475-484.	0.4	78
21	How do you make me feel better? Social cognitive emotion regulation and the default mode network. <i>NeuroImage</i> , 2016, 134, 270-280.	2.1	75
22	The physiological effects of noninvasive brain stimulation fundamentally differ across the human cortex. <i>Science Advances</i> , 2020, 6, eaay2739.	4.7	73
23	Resting-State Networks as Simultaneously Measured with Functional MRI and PET. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1314-1317.	2.8	71
24	The Whole-Brain "Global" Signal from Resting State fMRI as a Potential Biomarker of Quantitative State Changes in Glucose Metabolism. <i>Brain Connectivity</i> , 2016, 6, 435-447.	0.8	70
25	Neurobiological Divergence of the Positive and Negative Schizophrenia Subtypes Identified on a New Factor Structure of Psychopathology Using Non-negative Factorization: An International Machine Learning Study. <i>Biological Psychiatry</i> , 2020, 87, 282-293.	0.7	68
26	Intrinsic Network Connectivity Reflects Consistency of Synesthetic Experiences. <i>Journal of Neuroscience</i> , 2012, 32, 7614-7621.	1.7	63
27	Shifted intrinsic connectivity of central executive and salience network in borderline personality disorder. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 727.	1.0	63
28	Opposite Dynamics of GABA and Glutamate Levels in the Occipital Cortex during Visual Processing. <i>Journal of Neuroscience</i> , 2018, 38, 9967-9976.	1.7	59
29	Prediction of Alzheimer's disease using individual structural connectivity networks. <i>Neurobiology of Aging</i> , 2012, 33, 2756-2765.	1.5	56
30	Common and distinct changes of default mode and salience network in schizophrenia and major depression. <i>Brain Imaging and Behavior</i> , 2018, 12, 1708-1719.	1.1	56
31	Medial Prefrontal Aberrations in Major Depressive Disorder Revealed by Cytoarchitectonically Informed Voxel-Based Morphometry. <i>American Journal of Psychiatry</i> , 2016, 173, 291-298.	4.0	52
32	Repeated pain induces adaptations of intrinsic brain activity to reflect past and predict future pain. <i>NeuroImage</i> , 2011, 57, 206-213.	2.1	51
33	Based on the Network Degeneration Hypothesis: Separating Individual Patients with Different Neurodegenerative Syndromes in a Preliminary Hybrid PET/MR Study. <i>Journal of Nuclear Medicine</i> , 2016, 57, 410-415.	2.8	50
34	Effective connectivity in the default mode network is distinctively disrupted in Alzheimer's disease: A simultaneous resting-state FDG-PET/fMRI study. <i>Human Brain Mapping</i> , 2021, 42, 4134-4143.	1.9	43
35	Resting-state fMRI evidence for early episodic memory consolidation: effects of age. <i>Neurobiology of Aging</i> , 2016, 45, 197-211.	1.5	38
36	Changes in extra-striatal functional connectivity in patients with schizophrenia in a psychotic episode. <i>British Journal of Psychiatry</i> , 2017, 210, 75-82.	1.7	38

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37	Coherence of <scp>BOLD</scp> signal and electrical activity in the human brain during deep sevoflurane anesthesia. <i>Brain and Behavior</i> , 2017, 7, e00679.	1.0	25
38	Integrity of Neurocognitive Networks in Dementing Disorders as Measured with Simultaneous PET/Functional MRI. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1341-1347.	2.8	23
39	Asymmetric Loss of Parietal Activity Causes Spatial Bias in Prodromal and Mild Alzheimer's Disease. <i>Biological Psychiatry</i> , 2012, 71, 798-804.	0.7	20
40	Predicting effective connectivity from resting-state networks in healthy elderly and patients with prodromal Alzheimer's disease. <i>Human Brain Mapping</i> , 2014, 35, 954-963.	1.9	20
41	More Consistently Altered Connectivity Patterns for Cerebellum and Medial Temporal Lobes than for Amygdala and Striatum in Schizophrenia. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 55.	1.0	19
42	Cognitive emotion regulation enhances aversive prediction error activity while reducing emotional responses. <i>NeuroImage</i> , 2015, 123, 138-148.	2.1	16
43	Imbalance in subregional connectivity of the right temporoparietal junction in major depression. <i>Human Brain Mapping</i> , 2016, 37, 2931-2942.	1.9	16
44	Increased Intrinsic Activity of Medial-Temporal Lobe Subregions is Associated with Decreased Cortical Thickness of Medial-Parietal Areas in Patients with Alzheimer's Disease Dementia. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 313-326.	1.2	16
45	Alzheimer's Disease: A Search for Broken Links. <i>Journal of Neuroscience</i> , 2008, 28, 8148-8149.	1.7	15
46	Joint Multi-modal Parcellation of the Human Striatum: Functions and Clinical Relevance. <i>Neuroscience Bulletin</i> , 2020, 36, 1123-1136.	1.5	14
47	Increased Global Interaction Across Functional Brain Modules During Cognitive Emotion Regulation. <i>Cerebral Cortex</i> , 2018, 28, 3082-3094.	1.6	11
48	Ongoing Slow Fluctuations in V1 Impact on Visual Perception. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 411.	1.0	10
49	Visual imagery and functional connectivity in blindness: a single-case study. <i>Brain Structure and Function</i> , 2016, 221, 2367-2374.	1.2	7
50	Impact of Global Mean Normalization on Regional Glucose Metabolism in the Human Brain. <i>Neural Plasticity</i> , 2018, 2018, 1-16.	1.0	7
51	Cognitive emotion regulation modulates the balance of competing influences on ventral striatal aversive prediction error signals. <i>NeuroImage</i> , 2017, 147, 650-657.	2.1	6
52	Editorial: Utilization of Hybrid PET/MR in Neuroimaging. <i>Basic and Clinical Neuroscience</i> , 2015, 6, 143-5.	0.3	5
53	Homogeneity-based feature extraction for classification of early-stage alzheimer's disease from functional magnetic resonance images. , 2011, , .		4
54	Intrinsic Brain Activity of Cognitively Normal Older Persons Resembles More That of Patients Both with and at Risk for Alzheimer's Disease Than That of Healthy Younger Persons. <i>Brain Connectivity</i> , 2014, 4, 323-336.	0.8	2

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55	Concept of the Munich/Augsburg Consortium Precision in Mental Health for the German Center of Mental Health. <i>Frontiers in Psychiatry</i> , 2022, 13, 815718.	1.3	2
56	F2-02-01: WITHIN-PATIENT CORRESPONDENCE OF AMYLOID-B AND INTRINSIC NETWORK CONNECTIVITY IN ALZHEIMER'S DISEASE. , 2014, 10, P158-P159.		0