

Takamitsu Watanabe

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

2,517
citations

236612

25
h-index

233125

45
g-index

52
all docs

52
docs citations

52
times ranked

3483
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurochemical evidence for differential effects of acute and repeated oxytocin administration. <i>Molecular Psychiatry</i> , 2021, 26, 710-720.	4.1	27
2	Modelling stateâ€transition dynamics in restingâ€state brain signals by the hidden Markov and Gaussian mixture models. <i>European Journal of Neuroscience</i> , 2021, 54, 5404-5416.	1.2	8
3	Causal roles of prefrontal cortex during spontaneous perceptual switching are determined by brain state dynamics. <i>ELife</i> , 2021, 10, .	2.8	9
4	Off-Peak 594-nm Light Surpasses On-Peak 532-nm Light in Silencing Distant ArchT-Expressing Neurons InÂVivo. <i>IScience</i> , 2020, 23, 101276.	1.9	7
5	Closer to critical resting-state neural dynamics in individuals with higher fluid intelligence. <i>Communications Biology</i> , 2020, 3, 52.	2.0	40
6	A numerical study on efficient jury size. <i>Humanities and Social Sciences Communications</i> , 2020, 7, .	1.3	2
7	A Neuroanatomical Substrate Linking Perceptual Stability to Cognitive Rigidity in Autism. <i>Journal of Neuroscience</i> , 2019, 39, 6540-6554.	1.7	17
8	Atypical intrinsic neural timescale in autism. <i>ELife</i> , 2019, 8, .	2.8	94
9	<sc>A</sc>geâ€related changes in the ease of dynamical transitions in human brain activity. <i>Human Brain Mapping</i> , 2018, 39, 2673-2688.	1.9	39
10	Clustering Coefficients for Correlation Networks. <i>Frontiers in Neuroinformatics</i> , 2018, 12, 7.	1.3	71
11	Energy landscape analysis of neuroimaging data. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160287.	1.6	74
12	Meta-analytic evaluation of the association between head injury and risk of amyotrophic lateral sclerosis. <i>European Journal of Epidemiology</i> , 2017, 32, 867-879.	2.5	18
13	Brain network dynamics in high-functioning individuals with autism. <i>Nature Communications</i> , 2017, 8, 16048.	5.8	115
14	Oxytocin receptor gene variations predict neural and behavioral response to oxytocin in autism. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 496-506.	1.5	39
15	Anatomical imbalance between cortical networks in autism. <i>Scientific Reports</i> , 2016, 6, 31114.	1.6	26
16	Age-associated changes in rich-club organisation in autistic and neurotypical human brains. <i>Scientific Reports</i> , 2015, 5, 16152.	1.6	22
17	Effects of rTMS of Pre-Supplementary Motor Area on Fronto Basal Ganglia Network Activity during Stop-Signal Task. <i>Journal of Neuroscience</i> , 2015, 35, 4813-4823.	1.7	86
18	Clinical and neural effects of six-week administration of oxytocin on core symptoms of autism. <i>Brain</i> , 2015, 138, 3400-3412.	3.7	186

#	ARTICLE	IF	CITATIONS
19	Oxytocin's neurochemical effects in the medial prefrontal cortex underlie recovery of task-specific brain activity in autism: a randomized controlled trial. <i>Molecular Psychiatry</i> , 2015, 20, 447-453.	4.1	84
20	Energy landscapes of resting-state brain networks. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 12.	1.3	63
21	Bidirectional effects on interhemispheric resting-state functional connectivity induced by excitatory and inhibitory repetitive transcranial magnetic stimulation. <i>Human Brain Mapping</i> , 2014, 35, 1896-1905.	1.9	83
22	Mitigation of Sociocommunicational Deficits of Autism Through Oxytocin-Induced Recovery of Medial Prefrontal Activity. <i>JAMA Psychiatry</i> , 2014, 71, 166.	6.0	154
23	Dissociable Memory Traces within the Macaque Medial Temporal Lobe Predict Subsequent Recognition Performance. <i>Journal of Neuroscience</i> , 2014, 34, 1988-1997.	1.7	19
24	Network structure underlying resolution of conflicting non-verbal and verbal social information. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 767-775.	1.5	22
25	Network-dependent modulation of brain activity during sleep. <i>NeuroImage</i> , 2014, 98, 1-10.	2.1	44
26	Two distinct neural mechanisms underlying indirect reciprocity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3990-3995.	3.3	62
27	Energy landscape and dynamics of brain activity during human bistable perception. <i>Nature Communications</i> , 2014, 5, 4765.	5.8	87
28	Oxytocin improves behavioural and neural deficits in inferring others' social emotions in autism. <i>Brain</i> , 2014, 137, 3073-3086.	3.7	147
29	Rich-club network topology to minimize synchronization cost due to phase difference among frequency-synchronized oscillators. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 1246-1255.	1.2	13
30	A pairwise maximum entropy model accurately describes resting-state human brain networks. <i>Nature Communications</i> , 2013, 4, 1370.	5.8	134
31	Functional Relevance of Micromodules in the Human Association Cortex Delineated with High-Resolution fMRI. <i>Cerebral Cortex</i> , 2013, 23, 2863-2871.	1.6	19
32	Functional Connectivity between Anatomically Unconnected Areas Is Shaped by Collective Network-Level Effects in the Macaque Cortex. <i>Cerebral Cortex</i> , 2012, 22, 1586-1592.	1.6	217
33	Efficiency of Go/No-Go Task Performance Implemented in the Left Hemisphere. <i>Journal of Neuroscience</i> , 2012, 32, 9059-9065.	1.7	69
34	Functional Dissociation between Anterior and Posterior Temporal Cortical Regions during Retrieval of Remote Memory. <i>Journal of Neuroscience</i> , 2012, 32, 9659-9670.	1.7	24
35	Local Signal Time-Series during Rest Used for Areal Boundary Mapping in Individual Human Brains. <i>PLoS ONE</i> , 2012, 7, e36496.	1.1	25
36	Diminished Medial Prefrontal Activity behind Autistic Social Judgments of Incongruent Information. <i>PLoS ONE</i> , 2012, 7, e39561.	1.1	63

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37	Prediction of subsequent recognition performance using brain activity in the medial temporal lobe. <i>NeuroImage</i> , 2011, 54, 3085-3092.	2.1	25
38	Role of directionality of axonal projections in shaping functional connectivity between macaque cortical areas. <i>Neuroscience Research</i> , 2011, 71, e57-e58.	1.0	0
39	Role for Presupplementary Motor Area in Inhibition of Cognitive Set Interference. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 737-745.	1.1	12
40	Temporo-parietal cortical networks for recency judgments as revealed by a resting-state functional connectivity analysis. <i>Neuroscience Research</i> , 2010, 68, e443.	1.0	0
41	Publisher's Note: Enhancing the spectral gap of networks by node removal [Phys. Rev. E84, 046102 (2010)]. <i>Physical Review E</i> , 2010, 82, .	0.8	3
42	Enhancing the spectral gap of networks by node removal. <i>Physical Review E</i> , 2010, 82, 046102.	0.8	40
43	Medial prefrontal activity during shifting under novel situations. <i>Neuroscience Letters</i> , 2010, 484, 182-186.	1.0	12
44	Differential temporo-parietal cortical networks that support relational and item-based recency judgments. <i>NeuroImage</i> , 2010, 49, 3474-3480.	2.1	17
45	Memory of music: Roles of right hippocampus and left inferior frontal gyrus. <i>NeuroImage</i> , 2008, 39, 483-491.	2.1	87
46	Role of left superior temporal gyrus during name recall process: An event-related fMRI study. <i>NeuroImage</i> , 2008, 41, 1142-1153.	2.1	13
47	From Numerosity to Ordinal Rank: A Gain-Field Model of Serial Order Representation in Cortical Working Memory. <i>Journal of Neuroscience</i> , 2007, 27, 8636-8642.	1.7	97
48	Comparing the temporal relationship of structural and functional connectivity changes in different adult human brain networks: a single-case study. <i>Wellcome Open Research</i> , 0, 3, 50.	0.9	2