Takamitsu Watanabe

List of Publications by Year
in descending order

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	Functional Connectivity between Anatomically Unconnected Areas Is Shaped by Collective Network-Level Effects in the Macaque Cortex. Cerebral Cortex, 2012, 22, 1586-1592.	1.6	217
2	Clinical and neural effects of six-week administration of oxytocin on core symptoms of autism. Brain, 2015, 138, 3400-3412.	3.7	186
3	Mitigation of Sociocommunicational Deficits of Autism Through Oxytocin-Induced Recovery of Medial Prefrontal Activity. JAMA Psychiatry, 2014, 71, 166.	6.0	154
4	Oxytocin improves behavioural and neural deficits in inferring others' social emotions in autism. Brain, 2014, 137, 3073-3086.	3.7	147
5	A pairwise maximum entropy model accurately describes resting-state human brain networks. Nature Communications, 2013, 4, 1370.	5.8	134
6	Brain network dynamics in high-functioning individuals with autism. Nature Communications, 2017, 8, 16048.	5.8	115
7	From Numerosity to Ordinal Rank: A Gain-Field Model of Serial Order Representation in Cortical Working Memory. Journal of Neuroscience, 2007, 27, 8636-8642.	1.7	97
8	Atypical intrinsic neural timescale in autism. ELife, 2019, 8, .	2.8	94
9	Memory of music: Roles of right hippocampus and left inferior frontal gyrus. NeuroImage, 2008, 39, 483-491.	2.1	87
10	Energy landscape and dynamics of brain activity during human bistable perception. Nature Communications, 2014, 5, 4765.	5.8	87
11	Effects of rTMS of Pre-Supplementary Motor Area on Fronto Basal Ganglia Network Activity during Stop-Signal Task. Journal of Neuroscience, 2015, 35, 4813-4823.	1.7	86
12	Oxytocin's neurochemical effects in the medial prefrontal cortex underlie recovery of task-specific brain activity in autism: a randomized controlled trial. Molecular Psychiatry, 2015, 20, 447-453.	4.1	84
13	Bidirectional effects on interhemispheric resting-state functional connectivity induced by excitatory and inhibitory repetitive transcranial magnetic stimulation. Human Brain Mapping, 2014, 35, 1896-1905.	1.9	83
14	Energy landscape analysis of neuroimaging data. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160287.	1.6	74
15	Clustering Coefficients for Correlation Networks. Frontiers in Neuroinformatics, 2018, 12, 7.	1.3	71
16	Efficiency of Go/No-Go Task Performance Implemented in the Left Hemisphere. Journal of Neuroscience, 2012, 32, 9059-9065.	1.7	69
17	Diminished Medial Prefrontal Activity behind Autistic Social Judgments of Incongruent Information. PLoS ONE, 2012, 7, e39561.	1.1	63
18	Energy landscapes of resting-state brain networks. Frontiers in Neuroinformatics, 2014, 8, 12.	1.3	63

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19	Two distinct neural mechanisms underlying indirect reciprocity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3990-3995.	3.3	62
20	Network-dependent modulation of brain activity during sleep. NeuroImage, 2014, 98, 1-10.	2.1	44
21	Enhancing the spectral gap of networks by node removal. Physical Review E, 2010, 82, 046102.	0.8	40
22	Closer to critical resting-state neural dynamics in individuals with higher fluid intelligence. Communications Biology, 2020, 3, 52.	2.0	40
23	Oxytocin receptor gene variations predict neural and behavioral response to oxytocin in autism. Social Cognitive and Affective Neuroscience, 2017, 12, 496-506.	1.5	39
24	<scp>A</scp>ge‐related changes in the ease of dynamical transitions in human brain activity. Human Brain Mapping, 2018, 39, 2673-2688.	1.9	39
25	Neurochemical evidence for differential effects of acute and repeated oxytocin administration. Molecular Psychiatry, 2021, 26, 710-720.	4.1	27
26	Anatomical imbalance between cortical networks in autism. Scientific Reports, 2016, 6, 31114.	1.6	26
27	Prediction of subsequent recognition performance using brain activity in the medial temporal lobe. NeuroImage, 2011, 54, 3085-3092.	2.1	25
28	Local Signal Time-Series during Rest Used for Areal Boundary Mapping in Individual Human Brains. PLoS ONE, 2012, 7, e36496.	1.1	25
29	Functional Dissociation between Anterior and Posterior Temporal Cortical Regions during Retrieval of Remote Memory. Journal of Neuroscience, 2012, 32, 9659-9670.	1.7	24
30	Network structure underlying resolution of conflicting non-verbal and verbal social information. Social Cognitive and Affective Neuroscience, 2014, 9, 767-775.	1.5	22
31	Age-associated changes in rich-club organisation in autistic and neurotypical human brains. Scientific Reports, 2015, 5, 16152.	1.6	22
32	Functional Relevance of Micromodules in the Human Association Cortex Delineated with High-Resolution fMRI. Cerebral Cortex, 2013, 23, 2863-2871.	1.6	19
33	Dissociable Memory Traces within the Macaque Medial Temporal Lobe Predict Subsequent Recognition Performance. Journal of Neuroscience, 2014, 34, 1988-1997.	1.7	19
34	Meta-analytic evaluation of the association between head injury and risk of amyotrophic lateral sclerosis. European Journal of Epidemiology, 2017, 32, 867-879.	2.5	18
35	Differential temporo-parietal cortical networks that support relational and item-based recency judgments. NeuroImage, 2010, 49, 3474-3480.	2.1	17
36	A Neuroanatomical Substrate Linking Perceptual Stability to Cognitive Rigidity in Autism. Journal of Neuroscience, 2019, 39, 6540-6554.	1.7	17

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37	Role of left superior temporal gyrus during name recall process: An event-related fMRI study. NeuroImage, 2008, 41, 1142-1153.	2.1	13
38	Rich-club network topology to minimize synchronization cost due to phase difference among frequency-synchronized oscillators. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1246-1255.	1.2	13
39	Medial prefrontal activity during shifting under novel situations. Neuroscience Letters, 2010, 484, 182-186.	1.0	12
40	Role for Presupplementary Motor Area in Inhibition of Cognitive Set Interference. Journal of Cognitive Neuroscience, 2011, 23, 737-745.	1.1	12
41	Causal roles of prefrontal cortex during spontaneous perceptual switching are determined by brain state dynamics. ELife, 2021, 10, .	2.8	9
42	Modelling state–transition dynamics in resting–state brain signals by the hidden Markov and Gaussian mixture models. European Journal of Neuroscience, 2021, 54, 5404-5416.	1.2	8
43	Off-Peak 594-nm Light Surpasses On-Peak 532-nm Light in Silencing Distant ArchT-Expressing Neurons InÂVivo. IScience, 2020, 23, 101276.	1.9	7
44	Publisher's Note: Enhancing the spectral gap of networks by node removal [Phys. Rev. E84, 046102 (2010)]. Physical Review E, 2010, 82, .	0.8	3
45	Comparing the temporal relationship of structural and functional connectivity changes in different adult human brain networks: a single-case study. Wellcome Open Research, 0, 3, 50.	0.9	2
46	A numerical study on efficient jury size. Humanities and Social Sciences Communications, 2020, 7, .	1.3	2
47	Temporo-parietal cortical networks for recency judgments as revealed by a resting-state functional connectivity analysis. Neuroscience Research, 2010, 68, e443.	1.0	0
48	Role of directionality of axonal projections in shaping functional connectivity between macaque cortical areas. Neuroscience Research, 2011, 71, e57-e58.	1.0	0