

# Atsushi Sekiguchi

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

4,054  
citations

136885

32  
h-index

128225

60  
g-index

108  
all docs

108  
docs citations

108  
times ranked

4907  
citing authors

#	ARTICLE	IF	CITATIONS
1	Training of Working Memory Impacts Structural Connectivity. <i>Journal of Neuroscience</i> , 2010, 30, 3297-3303.	1.7	452
2	Brain Training Game Improves Executive Functions and Processing Speed in the Elderly: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2012, 7, e29676.	1.1	267
3	Regional gray matter volume of dopaminergic system associate with creativity: Evidence from voxel-based morphometry. <i>NeuroImage</i> , 2010, 51, 578-585.	2.1	219
4	White matter structures associated with creativity: Evidence from diffusion tensor imaging. <i>NeuroImage</i> , 2010, 51, 11-18.	2.1	184
5	Brain Training Game Boosts Executive Functions, Working Memory and Processing Speed in the Young Adults: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2013, 8, e55518.	1.1	176
6	Working Memory Training Using Mental Calculation Impacts Regional Gray Matter of the Frontal and Parietal Regions. <i>PLoS ONE</i> , 2011, 6, e23175.	1.1	141
7	Effects of working memory training on functional connectivity and cerebral blood flow during rest. <i>Cortex</i> , 2013, 49, 2106-2125.	1.1	133
8	Regional gray matter density associated with emotional intelligence: Evidence from voxel-based morphometry. <i>Human Brain Mapping</i> , 2011, 32, 1497-1510.	1.9	111
9	Regional gray matter density is associated with achievement motivation: evidence from voxel-based morphometry. <i>Brain Structure and Function</i> , 2014, 219, 71-83.	1.2	111
10	Four weeks of combination exercise training improved executive functions, episodic memory, and processing speed in healthy elderly people: evidence from a randomized controlled trial. <i>Age</i> , 2014, 36, 787-799.	3.0	102
11	Regional gray and white matter volume associated with Stroop interference: Evidence from voxel-based morphometry. <i>NeuroImage</i> , 2012, 59, 2899-2907.	2.1	91
12	Association between resting-state functional connectivity and empathizing/systemizing. <i>NeuroImage</i> , 2014, 99, 312-322.	2.1	84
13	Brain structures associated with executive functions during everyday events in a non-clinical sample. <i>Brain Structure and Function</i> , 2013, 218, 1017-1032.	1.2	79
14	Verbal working memory performance correlates with regional white matter structures in the frontoparietal regions. <i>Neuropsychologia</i> , 2011, 49, 3466-3473.	0.7	78
15	White matter structures associated with empathizing and systemizing in young adults. <i>NeuroImage</i> , 2013, 77, 222-236.	2.1	77
16	Degree centrality and fractional amplitude of low-frequency oscillations associated with Stroop interference. <i>NeuroImage</i> , 2015, 119, 197-209.	2.1	67
17	Anatomical correlates of quality of life: Evidence from voxel-based morphometry. <i>Human Brain Mapping</i> , 2014, 35, 1834-1846.	1.9	64
18	White matter structures associated with loneliness in young adults. <i>Scientific Reports</i> , 2015, 5, 17001.	1.6	61

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19	The Relationship between Processing Speed and Regional White Matter Volume in Healthy Young People. PLoS ONE, 2015, 10, e0136386.	1.1	53
20	Resting state functional connectivity associated with trait emotional intelligence. NeuroImage, 2013, 83, 318-328.	2.1	52
21	Inflammatory markers and their possible effects on cognitive function in women with posttraumatic stress disorder. Journal of Psychiatric Research, 2018, 102, 192-200.	1.5	46
22	Effects of multitasking training on gray matter structure and resting state neural mechanisms. Human Brain Mapping, 2014, 35, 3646-3660.	1.9	44
23	White matter structures associated with emotional intelligence: Evidence from diffusion tensor imaging. Human Brain Mapping, 2013, 34, 1025-1034.	1.9	43
24	Regional homogeneity, resting-state functional connectivity and amplitude of low frequency fluctuation associated with creativity measured by divergent thinking in a sex-specific manner. NeuroImage, 2017, 152, 258-269.	2.1	43
25	Creative females have larger white matter structures: Evidence from a large sample study. Human Brain Mapping, 2017, 38, 414-430.	1.9	43
26	Regional Gray Matter Volume Is Associated with Empathizing and Systemizing in Young Adults. PLoS ONE, 2014, 9, e84782.	1.1	41
27	Global associations between regional gray matter volume and diverse complex cognitive functions: evidence from a large sample study. Scientific Reports, 2017, 7, 10014.	1.6	41
28	Mean diffusivity of globus pallidus associated with verbal creativity measured by divergent thinking and creativity-related temperaments in young healthy adults. Human Brain Mapping, 2015, 36, 1808-1827.	1.9	39
29	Basal ganglia correlates of fatigue in young adults. Scientific Reports, 2016, 6, 21386.	1.6	39
30	A voxel-based morphometry study of gray and white matter correlates of a need for uniqueness. NeuroImage, 2012, 63, 1119-1126.	2.1	37
31	Effects of post-traumatic growth on the dorsolateral prefrontal cortex after a disaster. Scientific Reports, 2016, 6, 34364.	1.6	37
32	Beneficial effects of reading aloud and solving simple arithmetic calculations (learning therapy) on a wide range of cognitive functions in the healthy elderly: study protocol for a randomized controlled trial. Trials, 2012, 13, 32.	0.7	34
33	Shorter sleep duration and better sleep quality are associated with greater tissue density in the brain. Scientific Reports, 2018, 8, 5833.	1.6	34
34	Biofeedback-based training for stress management in daily hassles: an intervention study. Brain and Behavior, 2014, 4, 566-579.	1.0	33
35	Postoperative Structural Brain Changes and Cognitive Dysfunction in Patients with Breast Cancer. PLoS ONE, 2015, 10, e0140655.	1.1	33
36	Working memory training improves emotional states of healthy individuals. Frontiers in Systems Neuroscience, 2014, 8, 200.	1.2	32

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37	Working memory training impacts the mean diffusivity in the dopaminergic system. <i>Brain Structure and Function</i> , 2015, 220, 3101-3111.	1.2	32
38	Neuroanatomical correlates of the sense of control: Gray and white matter volumes associated with an internal locus of control. <i>NeuroImage</i> , 2015, 119, 146-151.	2.1	31
39	The associations among the dopamine D2 receptor Taq1, emotional intelligence, creative potential measured by divergent thinking, and motivational state and these associations' sex differences. <i>Frontiers in Psychology</i> , 2015, 6, 912.	1.1	30
40	Reading Aloud and Solving Simple Arithmetic Calculation Intervention (Learning Therapy) Improves Inhibition, Verbal Episodic Memory, Focus Attention and Processing Speed in Healthy Elderly People: Evidence from a Randomized Controlled Trial. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 217.	1.0	30
41	Effects of Different Types of Cognitive Training on Cognitive Function, Brain Structure, and Driving Safety in Senior Daily Drivers: A Pilot Study. <i>Behavioural Neurology</i> , 2015, 2015, 1-18.	1.1	28
42	Cognitive and neural correlates of the 5-repeat allele of the dopamine D4 receptor gene in a population lacking the 7-repeat allele. <i>NeuroImage</i> , 2015, 110, 124-135.	2.1	27
43	Anatomical correlates of self-handicapping tendency. <i>Cortex</i> , 2013, 49, 1148-1154.	1.1	26
44	Regional gray matter density is associated with morningness-eveningness: Evidence from voxel-based morphometry. <i>NeuroImage</i> , 2015, 117, 294-304.	2.1	26
45	Mean diffusivity of basal ganglia and thalamus specifically associated with motivational states among mood states. <i>Brain Structure and Function</i> , 2017, 222, 1027-1037.	1.2	26
46	Neural plasticity in amplitude of low frequency fluctuation, cortical hub construction, regional homogeneity resulting from working memory training. <i>Scientific Reports</i> , 2017, 7, 1470.	1.6	26
47	Neural Correlates of the Difference between Working Memory Speed and Simple Sensorimotor Speed: An fMRI Study. <i>PLoS ONE</i> , 2012, 7, e30579.	1.1	24
48	Beneficial effects of short-term combination exercise training on diverse cognitive functions in healthy older people: study protocol for a randomized controlled trial. <i>Trials</i> , 2012, 13, 200.	0.7	23
49	The Effects of Family Socioeconomic Status on Psychological and Neural Mechanisms as Well as Their Sex Differences. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 543.	1.0	23
50	Brain structures in the sciences and humanities. <i>Brain Structure and Function</i> , 2015, 220, 3295-3305.	1.2	22
51	Effects of interoceptive training on decision making, anxiety, and somatic symptoms. <i>BioPsychoSocial Medicine</i> , 2020, 14, 7.	0.9	22
52	White Matter Microstructural Changes as Vulnerability Factors and Acquired Signs of Post-Earthquake Distress. <i>PLoS ONE</i> , 2014, 9, e83967.	1.1	21
53	Creativity measured by divergent thinking is associated with two axes of autistic characteristics. <i>Frontiers in Psychology</i> , 2014, 5, 921.	1.1	19
54	Cognitive function in Japanese women with posttraumatic stress disorder: Association with exercise habits. <i>Journal of Affective Disorders</i> , 2018, 236, 306-312.	2.0	17

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55	General intelligence is associated with working memory-related brain activity: new evidence from a large sample study. <i>Brain Structure and Function</i> , 2018, 223, 4243-4258.	1.2	17
56	Empathizing associates with mean diffusivity. <i>Scientific Reports</i> , 2019, 9, 8856.	1.6	17
57	Lead exposure is associated with functional and microstructural changes in the healthy human brain. <i>Communications Biology</i> , 2021, 4, 912.	2.0	16
58	A high-generalizability machine learning framework for predicting the progression of Alzheimer's disease using limited data. <i>Npj Digital Medicine</i> , 2022, 5, 43.	5.7	16
59	Originality of divergent thinking is associated with working memory-related brain activity: Evidence from a large sample study. <i>NeuroImage</i> , 2020, 216, 116825.	2.1	15
60	Association of hair iron levels with creativity and psychological variables related to creativity. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 875.	1.0	15
61	Relationships of blood proinflammatory markers with psychological resilience and quality of life in civilian women with posttraumatic stress disorder. <i>Scientific Reports</i> , 2019, 9, 17905.	1.6	14
62	The VEGF gene polymorphism impacts brain volume and arterial blood volume. <i>Human Brain Mapping</i> , 2017, 38, 3516-3526.	1.9	13
63	A Comprehensive Analysis of the Correlations between Resting-State Oscillations in Multiple-Frequency Bands and Big Five Traits. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 321.	1.0	13
64	From social-signal detection to higher social cognition: an fMRI approach. <i>Social Cognitive and Affective Neuroscience</i> , 2014, 9, 1303-1309.	1.5	12
65	rs1360780 of the FKBP5 gene modulates the association between maternal acceptance and regional gray matter volume in the thalamus in children and adolescents. <i>PLoS ONE</i> , 2019, 14, e0221768.	1.1	11
66	Sex-Related Differences in the Effects of Sleep Habits on Verbal and Visuospatial Working Memory. <i>Frontiers in Psychology</i> , 2016, 7, 1128.	1.1	10
67	Differences in gray matter structure correlated to nationalism and patriotism. <i>Scientific Reports</i> , 2016, 6, 29912.	1.6	10
68	The anterior midcingulate cortex as a neural node underlying hostility in young adults. <i>Brain Structure and Function</i> , 2017, 222, 61-70.	1.2	10
69	Association of copper levels in the hair with gray matter volume, mean diffusivity, and cognitive functions. <i>Brain Structure and Function</i> , 2019, 224, 1203-1217.	1.2	10
70	Polygenic risk score for bipolar disorder associates with divergent thinking and brain structures in the prefrontal cortex. <i>Human Brain Mapping</i> , 2021, 42, 6028-6037.	1.9	10
71	The structure of the amygdala associates with human sexual permissiveness: Evidence from voxel-based morphometry. <i>Human Brain Mapping</i> , 2015, 36, 440-448.	1.9	9
72	Lenticular nucleus correlates of general self-efficacy in young adults. <i>Brain Structure and Function</i> , 2017, 222, 3309-3318.	1.2	9

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73	A Common CACNA1C Gene Risk Variant has Sex-Dependent Effects on Behavioral Traits and Brain Functional Activity. <i>Cerebral Cortex</i> , 2019, 29, 3211-3219.	1.6	9
74	Neuroanatomical bases of effortful control: evidence from a large sample of young healthy adults using voxel-based morphometry. <i>Scientific Reports</i> , 2016, 6, 31231.	1.6	8
75	Association between gray matter volume in the caudate nucleus and financial extravagance: Findings from voxel-based morphometry. <i>Neuroscience Letters</i> , 2014, 563, 28-32.	1.0	7
76	Allergic tendencies are associated with larger gray matter volumes. <i>Scientific Reports</i> , 2018, 8, 3694.	1.6	7
77	Refractive error is associated with intracranial volume. <i>Scientific Reports</i> , 2018, 8, 175.	1.6	7
78	Cognitive behavioral therapy with interoceptive exposure and complementary video materials for irritable bowel syndrome (IBS): protocol for a multicenter randomized controlled trial in Japan. <i>BioPsychoSocial Medicine</i> , 2019, 13, 14.	0.9	7
79	Effect of the interaction between BDNF Val66Met polymorphism and daily physical activity on mean diffusivity. <i>Brain Imaging and Behavior</i> , 2020, 14, 806-820.	1.1	7
80	Brain structures and activity during a working memory task associated with internet addiction tendency in young adults: A large sample study. <i>PLoS ONE</i> , 2021, 16, e0259259.	1.1	7
81	Amygdala and cingulate structure is associated with stereotype on sex-role. <i>Scientific Reports</i> , 2015, 5, 14220.	1.6	6
82	Mean diffusivity related to collectivism among university students in Japan. <i>Scientific Reports</i> , 2019, 9, 1338.	1.6	6
83	Possible Long-Term Effects of Childhood Maltreatment on Cognitive Function in Adult Women With Posttraumatic Stress Disorder. <i>Frontiers in Psychiatry</i> , 2020, 11, 344.	1.3	6
84	Long-Term Effects of Postearthquake Distress on Brain Microstructural Changes. <i>BioMed Research International</i> , 2014, 2014, 1-7.	0.9	5
85	Comprehensive neural networks for guilty feelings in young adults. <i>NeuroImage</i> , 2015, 105, 248-256.	2.1	5
86	Eating Disorder Neuroimaging Initiative (EDNI): a multicentre prospective cohort study protocol for elucidating the neural effects of cognitive-behavioural therapy for eating disorders. <i>BMJ Open</i> , 2021, 11, e042685.	0.8	5
87	Brain microstructural properties related to subjective well-being: diffusion tensor imaging analysis. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 1079-1090.	1.5	5
88	Regional Gray Matter Density Associated with Cognitive Reflectivity-Impulsivity: Evidence from Voxel-Based Morphometry. <i>PLoS ONE</i> , 2015, 10, e0122666.	1.1	5
89	Neural correlates of adaptive social responses to real-life frustrating situations: a functional MRI study. <i>BMC Neuroscience</i> , 2013, 14, 29.	0.8	4
90	Fatigue and relating to others 3 months after the 2011 Great East Japan Earthquake. <i>Psychiatry Research</i> , 2014, 218, 324-328.	1.7	4

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91	The Associations between Regional Gray Matter Structural Changes and Changes of Cognitive Performance in Control Groups of Intervention Studies. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 681.	1.0	4
92	Effectiveness of enhanced cognitive behavior therapy for bulimia nervosa in Japan: a randomized controlled trial protocol. <i>BioPsychoSocial Medicine</i> , 2020, 14, 2.	0.9	4
93	General Intelligence Is Associated with Working Memory-Related Functional Connectivity Change: Evidence from a Large-Sample Study. <i>Brain Connectivity</i> , 2021, 11, 89-102.	0.8	4
94	Sex-Dependent Effects of theAPOE $\epsilon$ 4 Allele on Behavioral Traits and White Matter Structures in Young Adults. <i>Cerebral Cortex</i> , 2021, 31, 672-680.	1.6	4
95	High $\gamma$ power changes after cognitive intervention: preliminary results from twenty $\epsilon$ one senior adult subjects. <i>Brain and Behavior</i> , 2016, 6, e00427.	1.0	3
96	Mean diffusivity related to rule-breaking guilt: the Macbeth effect in the sensorimotor regions. <i>Scientific Reports</i> , 2019, 9, 12227.	1.6	3
97	Succeeding in deactivating: associations of hair zinc levels with functional and structural neural mechanisms. <i>Scientific Reports</i> , 2020, 10, 12364.	1.6	3
98	Hybrid Cognitive Behavioral Therapy With Interoceptive Exposure for Irritable Bowel Syndrome: A Feasibility Study. <i>Frontiers in Psychiatry</i> , 2021, 12, 673939.	1.3	3
99	Loneliness inside of the brain: evidence from a large dataset of resting-state fMRI in young adult. <i>Scientific Reports</i> , 2022, 12, 7856.	1.6	3
100	Postoperative hormonal therapy prevents recovery of neurological damage after surgery in patients with breast cancer. <i>Scientific Reports</i> , 2016, 6, 34671.	1.6	2
101	Mean diffusivity associated with trait emotional intelligence. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 871-883.	1.5	2
102	Neural substrates of self $\epsilon$ and external $\epsilon$ preoccupation: A voxel $\epsilon$ based morphometry study. <i>Brain and Behavior</i> , 2019, 9, e01267.	1.0	2
103	Association of iron levels in hair with brain structures and functions in young adults. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 58, 126436.	1.5	2
104	Phase Difference-Enhanced Magnetic Resonance (MR) Imaging (PADRE) Technique for the Detection of Age-Related Microstructural Changes in Optic Radiation: Comparison with Diffusion Tensor Imaging (DTI). <i>Medical Science Monitor</i> , 2017, 23, 5495-5503.	0.5	2
105	The pitfall of empathic concern with chronic fatigue after a disaster in young adults. <i>BMC Psychiatry</i> , 2019, 19, 338.	1.1	1
106	Mercury levels in hair are associated with reduced neurobehavioral performance and altered brain structures in young adults. <i>Communications Biology</i> , 2022, 5, .	2.0	1
107	Shame proneness is associated with individual differences in temporal pole white matter structure. <i>Social Neuroscience</i> , 2022, , 1-10.	0.7	0