Wataru Sato

List of Publications by Year in descending order

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139 papers	4,668 citations	147566 31 h-index	118652 62 g-index
141 all docs	141 docs citations	141 times ranked	4778 citing authors

#	Article	IF	Citations
1	Rapid detection of neutral faces associated with emotional value among older adults. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2022, , .	2.4	0
2	The structural neural correlates of atypical facial expression recognition in autism spectrum disorder. Brain Imaging and Behavior, 2022, , 1.	1.1	2
3	Rapid detection of neutral faces associated with emotional value. Cognition and Emotion, 2022, 36, 546-559.	1.2	7
4	Robot touch with speech boosts positive emotions. Scientific Reports, 2022, 12, 6884.	1.6	3
5	Computational Process of Sharing Emotion: An Authentic Information Perspective. Frontiers in Psychology, 2022, 13, .	1.1	2
6	Spatio-Temporal Properties of Amused, Embarrassed, and Pained Smiles. Journal of Nonverbal Behavior, 2022, 46, 467-483.	0.6	2
7	Vocal Synchrony of Robots Boosts Positive Affective Empathy. Applied Sciences (Switzerland), 2021, 11, 2502.	1.3	1
8	Emotional valence sensing using a wearable facial EMG device. Scientific Reports, 2021, 11, 5757.	1.6	18
9	Assessing Automated Facial Action Unit Detection Systems for Analyzing Cross-Domain Facial Expression Databases. Sensors, 2021, 21, 4222.	2.1	21
10	Tears evoke the intention to offer social support: A systematic investigation of the interpersonal effects of emotional crying across 41 countries. Journal of Experimental Social Psychology, 2021, 95, 104137.	1.3	13
11	Cross-Cultural Differences and Psychometric Properties of the Japanese Actions and Feelings Questionnaire (J-AFQ). Frontiers in Psychology, 2021, 12, 722108.	1.1	0
12	Facial EMG Activity Is Associated with Hedonic Experiences but Not Nutritional Values While Viewing Food Images. Nutrients, 2021, 13, 11.	1.7	14
13	Impairment of emotional expression detection after unilateral medial temporal structure resection. Scientific Reports, 2021, 11, 20617.	1.6	4
14	Schizotypy is associated with difficulties detecting emotional facial expressions. Royal Society Open Science, 2021, 8, 211322.	1.1	2
15	Brow and Masticatory Muscle Activity Senses Subjective Hedonic Experiences during Food Consumption. Nutrients, 2021, 13, 4216.	1.7	3
16	Viewpoint Robustness of Automated Facial Action Unit Detection Systems. Applied Sciences (Switzerland), 2021, 11, 11171.	1.3	6
17	Colorâ€™s Indispensable Role in the Rapid Detection of Food. Frontiers in Psychology, 2021, 12, 753654.	1.1	1
18	An Android for Emotional Interaction: Spatiotemporal Validation of Its Facial Expressions. Frontiers in Psychology, 2021, 12, 800657.	1.1	9

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19	Enhanced emotional and motor responses to live versus videotaped dynamic facial expressions. Scientific Reports, 2020, 10, 16825.	1.6	12
20	Neurocognitive Mechanisms Underlying Social Atypicalities in Autism: Weak Amygdalaâ€™s Emotional Modulation Hypothesis. Frontiers in Psychiatry, 2020, 11, 864.	1.3	7
21	Cultural differences in food detection. Scientific Reports, 2020, 10, 17285.	1.6	4
22	Positive Emotion Amplification by Representing Excitement Scene with TV Chat Agents. Sensors, 2020, 20, 7330.	2.1	5
23	Physiological correlates of subjective emotional valence and arousal dynamics while viewing films. Biological Psychology, 2020, 157, 107974.	1.1	35
24	Editorial: Positive Neuroscience: the Neuroscience of Human Flourishing. Frontiers in Human Neuroscience, 2020, 14, 47.	1.0	2
25	A sensorimotor control framework for understanding emotional communication and regulation. Neuroscience and Biobehavioral Reviews, 2020, 112, 503-518.	2.9	38
26	Amygdala activity related to perceived social support. Scientific Reports, 2020, 10, 2951.	1.6	13
27	Older adults detect happy facial expressions less rapidly. Royal Society Open Science, 2020, 7, 191715.	1.1	6
28	Facial EMG Correlates of Subjective Hedonic Responses During Food Consumption. Nutrients, 2020, 12, 1174.	1.7	22
29	Subjective and Physiological Evaluation of Gentle Stroke Motion Using a Human-Imitation Hand. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2020, 2020, 1P1-N06.	0.0	1
30	Image database of Japanese food samples with nutrition information. PeerJ, 2020, 8, e9206.	0.9	2
31	Association Between Dieting Failure and Unconscious Hedonic Responses to Food. Frontiers in Psychology, 2020, 11, 2089.	1.1	3
32	Resting-state neural activity and connectivity associated with subjective happiness. Scientific Reports, 2019, 9, 12098.	1.6	24
33	Hunger promotes the detection of high-fat food. Appetite, 2019, 142, 104377.	1.8	7
34	Atypical Amygdalaâ€“Neocortex Interaction During Dynamic Facial Expression Processing in Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2019, 13, 351.	1.0	11
35	Amygdala activation during unconscious visual processing of food. Scientific Reports, 2019, 9, 7277.	1.6	16
36	Widespread and lateralized social brain activity for processing dynamic facial expressions. Human Brain Mapping, 2019, 40, 3753-3768.	1.9	25

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37	Corticostriatal-limbic correlates of sub-clinical obsessive-compulsive traits. Psychiatry Research - Neuroimaging, 2019, 285, 40-46.	0.9	9
38	Facial Expressions of Basic Emotions in Japanese Laypeople. Frontiers in Psychology, 2019, 10, 259.	1.1	60
39	Editorial: Dynamic Emotional Communication. Frontiers in Psychology, 2019, 10, 2836.	1.1	11
40	Cultural Moderation of Unconscious Hedonic Responses to Food. Nutrients, 2019, 11, 2832.	1.7	9
41	The atypical social brain network in autism: advances in structural and functional MRI studies. Current Opinion in Neurology, 2019, 32, 617-621.	1.8	67
42	Evaluation of Relationship between Stroke Pace and Speech Rate for Touch-Care Robot. , 2019, , .		0
43	Evaluation of Pacing for Dialog Robots to Build Trust Relationships with Human Users. , 2019, , .		1
44	Analyzing Neural Activity and Connectivity Using Intracranial EEG Data with SPM Software. Journal of Visualized Experiments, 2018, , .	0.2	1
45	Spatiotemporal commonalities of fronto-parietal activation in attentional orienting triggered by supraliminal and subliminal gaze cues: An event-related potential study. Biological Psychology, 2018, 136, 29-38.	1.1	5
46	Naturalistic Emotion Decoding From Facial Action Sets. Frontiers in Psychology, 2018, 9, 2678.	1.1	7
47	Characteristics of social cognitive processing in schizotypy. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2018, 82, 1PM-063-1PM-063.	0.0	0
48	Neural substrates of the ability to recognize facial expressions: a voxel-based morphometry study. Social Cognitive and Affective Neuroscience, 2017, 12, nsw142.	1.5	28
49	Direction of Amygdalaâ€“Neocortex Interaction During Dynamic Facial Expression Processing. Cerebral Cortex, 2017, 27, bhw036.	1.6	26
50	Time course of gammaâ€band oscillation associated with face processing in the inferior occipital gyrus and fusiform gyrus: A combined fMRI and MEG study. Human Brain Mapping, 2017, 38, 2067-2079.	1.9	28
51	Gray matter volumes of early sensory regions are associated with individual differences in sensory processing. Human Brain Mapping, 2017, 38, 6206-6217.	1.9	15
52	Impaired detection of happy facial expressions in autism. Scientific Reports, 2017, 7, 13340.	1.6	28
53	Putamen Volume is Negatively Correlated with the Ability to Recognize Fearful Facial Expressions. Brain Topography, 2017, 30, 774-784.	0.8	15
54	Fat Content Modulates Rapid Detection of Food: A Visual Search Study Using Fast Food and Japanese Diet. Frontiers in Psychology, 2017, 8, 1033.	1.1	19

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55	Neural Mechanisms Underlying Conscious and Unconscious Gaze-Triggered Attentional Orienting in Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2017, 11, 339.	1.0	15
56	Structural Correlates of Reading the Mind in the Eyes in Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2017, 11, 361.	1.0	15
57	Reduced Gray Matter Volume in the Social Brain Network in Adults with Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2017, 11, 395.	1.0	53
58	Homeostatic modulation on unconscious hedonic responses to food. BMC Research Notes, 2017, 10, 511.	0.6	9
59	Bidirectional electric communication between the inferior occipital gyrus and the amygdala during face processing. Human Brain Mapping, 2017, 38, 4511-4524.	1.9	30
60	Homeostatic modulation on unconscious hedonic responses to food. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2017, 81, 2D-060-2D-060.	0.0	0
61	Structural Neural Substrates of Reading the Mind in the Eyes. Frontiers in Human Neuroscience, 2016, 10, 151.	1.0	32
62	Scientistsâ€™ personality, values, and well-being. SpringerPlus, 2016, 5, 613.	1.2	5
63	Rapid gamma oscillations in the inferior occipital gyrus in response to eyes. Scientific Reports, 2016, 6, 36321.	1.6	9
64	The association between perceived social support and amygdala structure. Neuropsychologia, 2016, 85, 237-244.	0.7	30
65	Putamen volume correlates with obsessive compulsive characteristics in healthy population. Psychiatry Research - Neuroimaging, 2016, 249, 97-104.	0.9	17
66	Neural mechanisms underlying conscious and unconscious attentional shifts triggered by eye gaze. NeuroImage, 2016, 124, 118-126.	2.1	32
67	Neuroticism Delays Detection of Facial Expressions. PLoS ONE, 2016, 11, e0153400.	1.1	12
68	Unconscious Affective Responses to Food. PLoS ONE, 2016, 11, e0160956.	1.1	20
69	Gamma Oscillations in the Temporal Pole in Response to Eyes. PLoS ONE, 2016, 11, e0162039.	1.1	1
70	Emotional attention capture by facial expressions. Scientific Reports, 2015, 5, 14042.	1.6	18
71	Exaggerated perception of facial expressions is increased in individuals with schizotypal traits. Scientific Reports, 2015, 5, 11795.	1.6	6
72	The structural neural substrate of subjective happiness. Scientific Reports, 2015, 5, 16891.	1.6	85

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73	Inhibition of emotion-related autonomic arousal by skin pressure. SpringerPlus, 2015, 4, 294.	1.2	3
74	The association between perceived social support and amygdala structure. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2015, 79, 3EV-023-3EV-023.	0.0	0
75	Common impairments of emotional facial expression recognition in schizophrenia across French and Japanese cultures. Frontiers in Psychology, 2015, 6, 1018.	1.1	10
76	Impaired Overt Facial Mimicry in Response to Dynamic Facial Expressions in High-Functioning Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2015, 45, 1318-1328.	1.7	56
77	Spatiotemporal neural network dynamics for the processing of dynamic facial expressions. Scientific Reports, 2015, 5, 12432.	1.6	29
78	Facial feedback affects valence judgments of dynamic and static emotional expressions. Frontiers in Psychology, 2015, 6, 291.	1.1	24
79	Bilateral putamen volume negatively correlates with recognition performance for fearful facial expressions. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2015, 79, 2AM-075-2AM-075.	0.0	0
80	Effects of neuroticism on rapid detection of facial expressions. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2015, 79, 3EV-071-3EV-071.	0.0	0
81	Enhanced subliminal emotional responses to dynamic facial expressions. Frontiers in Psychology, 2014, 5, 994.	1.1	18
82	Increased Putamen Volume in Adults with Autism Spectrum Disorder. Frontiers in Human Neuroscience, 2014, 8, 957.	1.0	33
83	Commonalities and differences in the spatiotemporal neural dynamics associated with automatic attentional shifts induced by gaze and arrows. Neuroscience Research, 2014, 87, 56-65.	1.0	7
84	Rapid, high-frequency, and theta-coupled gamma oscillations in the inferior occipital gyrus during face processing. Cortex, 2014, 60, 52-68.	1.1	36
85	Reduced representational momentum for subtle dynamic facial expressions in individuals with autism spectrum disorders. Research in Autism Spectrum Disorders, 2014, 8, 1090-1099.	0.8	18
86	Electrophysiological correlates of the efficient detection of emotional facial expressions. Brain Research, 2014, 1560, 60-72.	1.1	16
87	Sex Differences in the Rapid Detection of Emotional Facial Expressions. PLoS ONE, 2014, 9, e94747.	1.1	33
88	Recognition Memory for Faces and Scenes. Journal of General Psychology, 2013, 140, 1-15.	1.6	19
89	Common and unique impairments in facial-expression recognition in pervasive developmental disorder-not otherwise specified and Asperger's disorder. Research in Autism Spectrum Disorders, 2013, 7, 361-368.	0.8	9
90	Atypical recognition of dynamic changes in facial expressions in autism spectrum disorders. Research in Autism Spectrum Disorders, 2013, 7, 906-912.	0.8	17

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91	Rapid and multiple-stage activation of the human amygdala for processing facial signals. Communicative and Integrative Biology, 2013, 6, e24562.	0.6	15
92	Relationships among Facial Mimicry, Emotional Experience, and Emotion Recognition. PLoS ONE, 2013, 8, e57889.	1.1	84
93	Temporal Profile of Amygdala Gamma Oscillations in Response to Faces. Journal of Cognitive Neuroscience, 2012, 24, 1420-1433.	1.1	31
94	Impaired social brain network for processing dynamic facial expressions in autism spectrum disorders. BMC Neuroscience, 2012, 13, 99.	0.8	118
95	Right hemispheric dominance and interhemispheric cooperation in gazeâ€triggered reflexive shift of attention. Psychiatry and Clinical Neurosciences, 2012, 66, 97-104.	1.0	8
96	SUBCATEGORIES OF POSITIVE EMOTION. Psychologia, 2012, 55, 1-8.	0.3	2
97	The specific impairment of fearful expression recognition and its atypical development in pervasive developmental disorder. Social Neuroscience, 2011, 6, 452-463.	0.7	31
98	Rapid Amygdala Gamma Oscillations in Response to Eye Gaze. PLoS ONE, 2011, 6, e28188.	1.1	22
99	Rapid amygdala gamma oscillations in response to fearful facial expressions. Neuropsychologia, 2011, 49, 612-617.	0.7	87
100	The inversion effect for neutral and emotional facial expressions on amygdala activity. Brain Research, 2011, 1378, 84-90.	1.1	17
101	Brief Report: Representational Momentum for Dynamic Facial Expressions in Pervasive Developmental Disorder. Journal of Autism and Developmental Disorders, 2010, 40, 371-377.	1.7	21
102	Amygdala activity in response to forward versus backward dynamic facial expressions. Brain Research, 2010, 1315, 92-99.	1.1	17
103	Cross-cultural Reading the Mind in the Eyes: An fMRI Investigation. Journal of Cognitive Neuroscience, 2010, 22, 97-108.	1.1	317
104	Amygdala integrates emotional expression and gaze direction in response to dynamic facial expressions. NeuroImage, 2010, 50, 1658-1665.	2.1	59
105	Facial expression arousal level modulates facial mimicry. International Journal of Psychophysiology, 2010, 76, 88-92.	0.5	37
106	Impairment of unconscious, but not conscious, gaze-triggered attention orienting in Asperger's disorder. Research in Autism Spectrum Disorders, 2010, 4, 782-786.	0.8	16
107	Detection of emotional facial expressions and anti-expressions. Visual Cognition, 2010, 18, 369-388.	0.9	36
108	AUTOMATIC ATTENTIONAL SHIFTS BY GAZE, GESTURES, AND SYMBOLS. Psychologia, 2010, 53, 27-35.	0.3	13

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109	Dynamic Fearful Expressions Enhance Gaze-Triggered Attention Orienting in High and Low Anxiety Individuals. Social Behavior and Personality, 2009, 37, 1313-1326.	0.3	14
110	Anti-expressions: Artificial control stimuli for the visual properties of emotional facial expressions. Social Behavior and Personality, 2009, 37, 491-501.	0.3	15
111	Misrecognition of facial expressions in delinquents. Child and Adolescent Psychiatry and Mental Health, 2009, 3, 27.	1.2	46
112	Dynamic fearful gaze does not enhance attention orienting in individuals with Aspergerâ€™s disorder. Brain and Cognition, 2009, 71, 229-233.	0.8	48
113	Commonalities in the neural mechanisms underlying automatic attentional shifts by gaze, gestures, and symbols. NeuroImage, 2009, 45, 984-992.	2.1	69
114	FACILITATION OF GAZE-TRIGGERED ATTENTION ORIENTING BY A FEARFUL EXPRESSION AND ITS RELATIONSHIP TO ANXIETY. Psychologia, 2009, 52, 188-197.	0.3	3
115	Dynamic facial expressions of emotion induce representational momentum. Cognitive, Affective and Behavioral Neuroscience, 2008, 8, 25-31.	1.0	61
116	Enhanced facial EMG activity in response to dynamic facial expressions. International Journal of Psychophysiology, 2008, 70, 70-74.	0.5	182
117	Time course of superior temporal sulcus activity in response to eye gaze: a combined fMRI and MEG study. Social Cognitive and Affective Neuroscience, 2008, 3, 224-232.	1.5	38
118	Involvement of medial temporal structures in reflexive attentional shift by gaze. Social Cognitive and Affective Neuroscience, 2008, 3, 80-88.	1.5	34
119	EMOTION ELICITATION EFFECT OF FILMS IN A JAPANESE SAMPLE. Social Behavior and Personality, 2007, 35, 863-874.	0.3	47
120	Spontaneous facial mimicry in response to dynamic facial expressions. Cognition, 2007, 104, 1-18.	1.1	187
121	Attentional shift by gaze is triggered without awareness. Experimental Brain Research, 2007, 183, 87-94.	0.7	96
122	Enhanced Experience of Emotional Arousal in Response to Dynamic Facial Expressions. Journal of Nonverbal Behavior, 2007, 31, 119-135.	0.6	97
123	Right hemispheric dominance in gaze-triggered reflexive shift of attention in humans. Brain and Cognition, 2006, 62, 128-133.	0.8	15
124	Right hemispheric dominance in processing of unconscious negative emotion. Brain and Cognition, 2006, 62, 261-266.	0.8	62
125	Enhanced perceptual, emotional, and motor processing in response to dynamic facial expressions of emotion1. Japanese Psychological Research, 2006, 48, 213-222.	0.4	26
126	Emotion recognition from facial expressions in a temporal lobe epileptic patient with ictal fear. Neuropsychologia, 2005, 43, 434-441.	0.7	28

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127	BRIEF REPORT The dynamic aspects of emotional facial expressions. Cognition and Emotion, 2004, 18, 701-710.	1.2	137
128	Enhanced neural activity in response to dynamic facial expressions of emotion: an fMRI study. Cognitive Brain Research, 2004, 20, 81-91.	3.3	331
129	The amygdala processes the emotional significance of facial expressions: an fMRI investigation using the interaction between expression and face direction. NeuroImage, 2004, 22, 1006-1013.	2.1	157
130	CHARACTERISTICS OF THE INVOLVEMENT OF THE AMYGDALA IN THE RECOGNITION OF EMOTIONAL EXPRESSIONS: A REVIEW OF NEUROPSYCHOLOGICAL RESEARCH. Psychologia, 2004, 47, 125-142.	0.3	1
131	Facial affect recognition in pre-lingually deaf people with schizophrenia. Schizophrenia Research, 2003, 61, 265-270.	1.1	12
132	EYE GAZE TRIGGERS VISUOSPATIAL ATTENTIONAL SHIFT IN INDIVIDUALS WITH AUTISM. Psychologia, 2003, 46, 246-254.	0.3	30
133	Seeing Happy Emotion in Fearful and Angry Faces: Qualitative Analysis of Facial Expression Recognition in a Bilateral Amygdala-Damaged Patient. Cortex, 2002, 38, 727-742.	1.1	70
134	The influence of test-set similarity in verbal overshadowing. Applied Cognitive Psychology, 2002, 16, 963-972.	0.9	22
135	Frontal midline theta rhythm is correlated with cardiac autonomic activities during the performance of an attention demanding meditation procedure. Cognitive Brain Research, 2001, 11, 281-287.	3.3	305
136	Emotional expression boosts early visual processing of the face: ERP recording and its decomposition by independent component analysis. NeuroReport, 2001, 12, 709-714.	0.6	188
137	Emotional Cognition without Awareness after Unilateral Temporal Lobectomy in Humans. Journal of Neuroscience, 2000, 20, RC97-RC97.	1.7	25
138	Emotional elicitation by dynamic facial expressions. , 0, , .		1
139	Spontaneous facial mimicry in response to dynamic facial expressions. , 0, , .		2