

# Caroline Catmur

## List of Publications by Citations

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108  
papers

4,799  
citations

35  
h-index

68  
g-index

123  
ext. papers

5,760  
ext. citations

4  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
108	Sensorimotor learning configures the human mirror system. <i>Current Biology</i> , <b>2007</b> , 17, 1527-31	6.3	486
107	Mirror neurons: from origin to function. <i>Behavioral and Brain Sciences</i> , <b>2014</b> , 37, 177-92	0.9	334
106	Enhancing social ability by stimulating right temporoparietal junction. <i>Current Biology</i> , <b>2012</b> , 22, 2274-7	6.3	241
105	Audiotactile interactions in roughness perception. <i>Experimental Brain Research</i> , <b>2002</b> , 146, 161-71	2.3	197
104	Associative sequence learning: the role of experience in the development of imitation and the mirror system. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 364, 2369-80	5.8	187
103	Through the looking glass: counter-mirror activation following incompatible sensorimotor learning. <i>European Journal of Neuroscience</i> , <b>2008</b> , 28, 1208-15	3.5	184
102	Theory of mind is not theory of emotion: A cautionary note on the Reading the Mind in the Eyes Test. <i>Journal of Abnormal Psychology</i> , <b>2016</b> , 125, 818-823	7	181
101	Tactile sensitivity in Asperger syndrome. <i>Brain and Cognition</i> , <b>2006</b> , 61, 5-13	2.7	177
100	Interoception and psychopathology: A developmental neuroscience perspective. <i>Developmental Cognitive Neuroscience</i> , <b>2017</b> , 23, 45-56	5.5	175
99	Attention does not modulate neural responses to social stimuli in autism spectrum disorders. <i>NeuroImage</i> , <b>2006</b> , 31, 1614-24	7.9	158
98	Alexithymia, not autism, is associated with impaired interoception. <i>Cortex</i> , <b>2016</b> , 81, 215-20	3.8	152
97	Avatars and arrows: implicit mentalizing or domain-general processing?. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2014</b> , 40, 929-937	2.6	132
96	Making mirrors: premotor cortex stimulation enhances mirror and counter-mirror motor facilitation. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 2352-62	3.1	126
95	Experience-based priming of body parts: a study of action imitation. <i>Brain Research</i> , <b>2008</b> , 1217, 157-70	3.7	122
94	Alexithymia is associated with a multidomain, multidimensional failure of interoception: Evidence from novel tests. <i>Journal of Experimental Psychology: General</i> , <b>2018</b> , 147, 398-408	4.7	93
93	Can Neurotypical Individuals Read Autistic Facial Expressions? Atypical Production of Emotional Facial Expressions in Autism Spectrum Disorders. <i>Autism Research</i> , <b>2016</b> , 9, 262-71	5.1	93
92	Time course analyses confirm independence of imitative and spatial compatibility. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2011</b> , 37, 409-21	2.6	92

91	The role of the right temporoparietal junction in the control of imitation. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 1107-113	82
90	Is alexithymia characterised by impaired interoception? Further evidence, the importance of control variables, and the problems with the Heartbeat Counting Task. <i>Biological Psychology</i> , <b>2018</b> , 136, 189-197	3.2 81
89	Self-other control processes in social cognition: from imitation to empathy. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371, 20150079	5.8 69
88	Functional lateralization of temporoparietal junction - imitation inhibition, visual perspective-taking and theory of mind. <i>European Journal of Neuroscience</i> , <b>2015</b> , 42, 2527-33	3.5 69
87	Are we really measuring empathy? Proposal for a new measurement framework. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 83, 132-139	9 63
86	Task-dependent and distinct roles of the temporoparietal junction and inferior frontal cortex in the control of imitation. <i>Social Cognitive and Affective Neuroscience</i> , <b>2015</b> , 10, 1003-9	4 60
85	From heart to mind: Linking interoception, emotion, and theory of mind. <i>Cortex</i> , <b>2017</b> , 93, 220-223	3.8 59
84	Understanding intentions from actions: Direct perception, inference, and the roles of mirror and mentalizing systems. <i>Consciousness and Cognition</i> , <b>2015</b> , 36, 426-33	2.6 55
83	Emotional decision-making in autism spectrum disorder: the roles of interoception and alexithymia. <i>Molecular Autism</i> , <b>2016</b> , 7, 43	6.5 53
82	Classifying individual differences in interoception: Implications for the measurement of interoceptive awareness. <i>Psychonomic Bulletin and Review</i> , <b>2019</b> , 26, 1467-1471	4.1 51
81	A pessimistic view of optimistic belief updating. <i>Cognitive Psychology</i> , <b>2016</b> , 90, 71-127	3.1 50
80	Timecourse of mirror and counter-mirror effects measured with transcranial magnetic stimulation. <i>Social Cognitive and Affective Neuroscience</i> , <b>2014</b> , 9, 1082-8	4 43
79	Submentalizing or mentalizing in a Level 1 perspective-taking task: A cloak and goggles test. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2017</b> , 43, 454-465	2.6 43
78	Testing the independence of self-reported interoceptive accuracy and attention. <i>Quarterly Journal of Experimental Psychology</i> , <b>2020</b> , 73, 115-133	1.8 41
77	Knowledge of resting heart rate mediates the relationship between intelligence and the heartbeat counting task. <i>Biological Psychology</i> , <b>2018</b> , 133, 1-3	3.2 39
76	Direct and indirect effects of age on interoceptive accuracy and awareness across the adult lifespan. <i>Psychonomic Bulletin and Review</i> , <b>2018</b> , 25, 1193-1202	4.1 38
75	Intact Automatic Imitation and Typical Spatial Compatibility in Autism Spectrum Disorder: Challenging the Broken Mirror Theory. <i>Autism Research</i> , <b>2016</b> , 9, 292-300	5.1 35
74	Is it what you do, or when you do it? The roles of contingency and similarity in pro-social effects of imitation. <i>Cognitive Science</i> , <b>2013</b> , 37, 1541-52	2.2 35

73	The impact of autism spectrum disorder and alexithymia on judgments of moral acceptability. <i>Journal of Abnormal Psychology</i> , <b>2015</b> , 124, 589-95	7	34
72	fMRI evidence of 'mirror' responses to geometric shapes. <i>PLoS ONE</i> , <b>2012</b> , 7, e51934	3.7	34
71	Cross-modal repetition effects in the mu rhythm indicate tactile mirroring during action observation. <i>Cortex</i> , <b>2015</b> , 63, 121-31	3.8	32
70	Transcranial Current Stimulation of the Temporoparietal Junction Improves Lie Detection. <i>Current Biology</i> , <b>2015</b> , 25, 2447-51	6.3	32
69	Sensorimotor learning and the ontogeny of the mirror neuron system. <i>Neuroscience Letters</i> , <b>2013</b> , 540, 21-7	3.3	30
68	The 20 item prosopagnosia index (PI20): relationship with the Glasgow face-matching test. <i>Royal Society Open Science</i> , <b>2015</b> , 2, 150305	3.3	28
67	Understanding individual differences in theory of mind via representation of minds, not mental states. <i>Psychonomic Bulletin and Review</i> , <b>2019</b> , 26, 798-812	4.1	23
66	The Role of Language in Alexithymia: Moving Towards a Multiroute Model of Alexithymia. <i>Emotion Review</i> , <b>2019</b> , 11, 247-261	4.6	23
65	Good Liars Are Neither 'Dark' Nor Self-Deceptive. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127315	3.7	23
64	Crossmodal Classification of Mu Rhythm Activity during Action Observation and Execution Suggests Specificity to Somatosensory Features of Actions. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 5936-5947	6.6	23
63	The imitation game: Effects of social cues on 'imitation' are domain-general in nature. <i>NeuroImage</i> , <b>2016</b> , 139, 368-375	7.9	23
62	The specificity of the link between alexithymia, interoception, and imitation. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2016</b> , 42, 1687-1692	2.6	22
61	Attentional processes, not implicit mentalizing, mediate performance in a perspective-taking task: Evidence from stimulation of the temporoparietal junction. <i>NeuroImage</i> , <b>2017</b> , 155, 305-311	7.9	21
60	Auditory short-term memory capacity correlates with gray matter density in the left posterior STS in cognitively normal and dyslexic adults. <i>Journal of Cognitive Neuroscience</i> , <b>2011</b> , 23, 3746-56	3.1	20
59	Language and alexithymia: Evidence for the role of the inferior frontal gyrus in acquired alexithymia. <i>Neuropsychologia</i> , <b>2018</b> , 111, 229-240	3.2	19
58	Group Dynamics in Automatic Imitation. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162880	3.7	18
57	Are automatic imitation and spatial compatibility mediated by different processes?. <i>Cognitive Science</i> , <b>2013</b> , 37, 605-30	2.2	17
56	Evidence of pathological social withdrawal in non-Asian countries: a global health problem?. <i>Lancet Psychiatry</i> , <b>2019</b> , 6, 195-196	23.3	16

55	Conceptualizing and testing action understanding. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 105, 106-114	9	15
54	Automatic imitation? Imitative compatibility affects responses at high perceptual load. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , <b>2016</b> , 42, 530-9	2.6	15
53	I feel it in my finger: Measurement device affects cardiac interoceptive accuracy. <i>Biological Psychology</i> , <b>2019</b> , 148, 107765	3.2	14
52	Avatars and arrows in the brain. <i>NeuroImage</i> , <b>2016</b> , 132, 8-10	7.9	14
51	What Happened to Mirror Neurons?. <i>Perspectives on Psychological Science</i> , <b>2021</b> , 1745691621990638	9.8	14
50	Autism and transgender identity: Implications for depression and anxiety. <i>Research in Autism Spectrum Disorders</i> , <b>2020</b> , 69, 101466	3	12
49	The role of alexithymia in social cognition: Evidence from a non-clinical population. <i>Journal of Affective Disorders</i> , <b>2020</b> , 273, 482-492	6.6	11
48	The presence, characteristics and correlates of pathological social withdrawal in Taiwan: An online survey. <i>International Journal of Social Psychiatry</i> , <b>2020</b> , 66, 84-92	8.5	11
47	Alexithymia and autism diagnostic assessments: Evidence from twins at genetic risk of autism and adults with anorexia nervosa. <i>Research in Autism Spectrum Disorders</i> , <b>2020</b> , 73, 101531	3	11
46	Quantifying compliance and acceptance through public and private social conformity. <i>Consciousness and Cognition</i> , <b>2018</b> , 65, 359-367	2.6	11
45	No evidence for a common self-bias across cognitive domains. <i>Cognition</i> , <b>2020</b> , 197, 104186	3.5	8
44	Unconvincing support for role of mirror neurons in "action understanding": commentary on Michael et al. (2014). <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 553	3.3	8
43	Authors' response: mirror neurons: tests and testability. <i>Behavioral and Brain Sciences</i> , <b>2014</b> , 37, 221-41	0.9	8
42	Sensorimotor training alters action understanding. <i>Cognition</i> , <b>2018</b> , 171, 10-14	3.5	8
41	Alexithymic traits, independent of depression and anxiety, are associated with reduced sleep quality. <i>Personality and Individual Differences</i> , <b>2018</b> , 129, 175-178	3.3	7
40	Mirror neurons and intention understanding: Dissociating the contribution of object type and intention to mirror responses using electromyography. <i>Psychophysiology</i> , <b>2018</b> , 55, e13061	4.1	7
39	Stopping movements: when others slow us down. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 2842-9	3.5	7
38	Alexithymia explains increased empathic personal distress in individuals with and without eating disorders. <i>Quarterly Journal of Experimental Psychology</i> , <b>2019</b> , 72, 1827-1836	1.8	7

37	Mirroring 'meaningful' actions: Sensorimotor learning modulates imitation of goal-directed actions. <i>Quarterly Journal of Experimental Psychology</i> , <b>2019</b> , 72, 322-334	1.8	6
36	Alexithymia explains atypical spatiotemporal dynamics of eye gaze in autism. <i>Cognition</i> , <b>2021</b> , 212, 104710	3.9	6
35	No effect of age on emotion recognition after accounting for cognitive factors and depression. <i>Quarterly Journal of Experimental Psychology</i> , <b>2019</b> , 72, 2690-2704	1.8	5
34	Autistic traits are associated with atypical precision-weighted integration of top-down and bottom-up neural signals. <i>Cognition</i> , <b>2020</b> , 199, 104236	3.5	5
33	Understanding how minds vary relates to skill in inferring mental states, personality, and intelligence. <i>Journal of Experimental Psychology: General</i> , <b>2020</b> , 149, 1032-1047	4.7	5
32	The Oxford Face Matching Test: A non-biased test of the full range of individual differences in face perception. <i>Behavior Research Methods</i> , <b>2021</b> , 1	6.1	5
31	The influence of action-outcome contingency on motivation from control. <i>Experimental Brain Research</i> , <b>2018</b> , 236, 3239-3249	2.3	5
30	The importance of stimulus variability when studying face processing using fast periodic visual stimulation: A novel 'mixed-emotions' paradigm. <i>Cortex</i> , <b>2019</b> , 117, 182-195	3.8	4
29	Is the left hemisphere androcentric? Evidence of the learned categorical perception of gender. <i>Laterality</i> , <b>2015</b> , 20, 571-84	2	3
28	A task control theory of mirror-touch synesthesia. <i>Cognitive Neuroscience</i> , <b>2015</b> , 6, 141-2	1.7	3
27	Estimating the stability of heartbeat counting in middle childhood: A twin study. <i>Biological Psychology</i> , <b>2019</b> , 148, 107764	3.2	3
26	The impact of alexithymia on autism diagnostic assessments		3
25	Loneliness and social disconnectedness in pathological social withdrawal. <i>Personality and Individual Differences</i> , <b>2020</b> , 163, 110092	3.3	3
24	Validation of Gazepoint low-cost eye-tracking and psychophysiology bundle. <i>Behavior Research Methods</i> , <b>2021</b> , 1	6.1	3
23	Considering context and variability when observing other minds: Comment on "Seeing mental states: An experimental strategy for measuring the observability of other minds" by Cristina Becchio et al. <i>Physics of Life Reviews</i> , <b>2018</b> , 24, 91-93	2.1	2
22	Contingency is Crucial for Creating Imitative Responses. <i>Frontiers in Human Neuroscience</i> , <b>2011</b> , 5, 15	3.3	2
21	What happened to mirror neurons?		2
20	Testing the independence of self-reported interoceptive accuracy and attention		2

19	Are Autistic and Alexithymic Traits Distinct? A Factor-Analytic and Network Approach. <i>Journal of Autism and Developmental Disorders</i> , <b>2021</b> , 1	4.6	2
18	Imitation in one's own presence: No specific effect of self-focus on imitation. <i>Acta Psychologica</i> , <b>2021</b> , 212, 103194	1.7	2
17	Mirror Neurons from Associative Learning <b>2016</b> , 515-537		1
16	Understanding self and others: from origins to disorders. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 371, 20150066	5.8	1
15	The relationship between alexithymia and theory of mind: A systematic review. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 131, 497-524	9	1
14	EXPRESS: Is action understanding an automatic process? Both cognitive and perceptual processing are required for the identification of actions and intentions.. <i>Quarterly Journal of Experimental Psychology</i> , <b>2022</b> , 17470218221078019	1.8	0
13	Equivalent own name bias in autism: An EEG study of the Attentional Blink. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2021</b> , 1	3.5	0
12	Use of the Oxford face matching test reveals an effect of ageing on face perception but not face memory. <i>Cortex</i> , <b>2021</b> , 145, 226-235	3.8	0
11	Understanding the links between self-concept, sociocultural deviance and mental health problems in pathological social withdrawal. <i>Current Psychology</i> , 1	1.4	0
10	Dissociable effects of averted "gaze" on the priming of bodily representations and motor actions. <i>Acta Psychologica</i> , <b>2021</b> , 212, 103225	1.7	0
9	Regulating mirroring of emotions A social-specific mechanism?. <i>Quarterly Journal of Experimental Psychology</i> , <b>2021</b> , 17470218211049780	1.8	0
8	Neither Shaken nor Stirred: Reply to Bertenthal and Scheutz. <i>Cognitive Science</i> , <b>2013</b> , 37, 642-645	2.2	
7	Human face matching performance is predicted by deviation from algorithmic similarity. <i>Journal of Vision</i> , <b>2020</b> , 20, 508	0.4	
6	Processing speed and fluid intelligence contribute towards decline in facial emotion recognition ability across the adult lifespan. <i>Journal of Vision</i> , <b>2018</b> , 18, 570	0.4	
5	The importance of stimulus variability when studying face processing using Fast Periodic Visual Stimulation: A novel Mixed-Emotions Paradigm. <i>Journal of Vision</i> , <b>2019</b> , 19, 181b	0.4	
4	No evidence for an opposite pattern of cognitive performance in autistic individuals with and without alexithymia: A response to Røgaard et al. (2019). <i>Journal of Abnormal Psychology</i> , <b>2019</b> , 128, 738-739	7	
3	Mirror Neuron Formation via Associative Learning 460-479		
2	Individual differences in face perception: Development and validation of the Oxford Face Matching Test (OFMT). <i>Journal of Vision</i> , <b>2021</b> , 21, 2664	0.4	

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