Emily S Cross

List of Publications by Year
in descending order

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66 papers	4,108 citations	147801 31 h-index	123424 61 g-index
74 all docs	74 docs citations	74 times ranked	3459 citing authors

#	Article	IF	Citations
1	Building a motor simulation de novo: Observation of dance by dancers. NeuroImage, 2006, 31, 1257-1267.	4.2	684
2	Sensitivity of the Action Observation Network to Physical and Observational Learning. Cerebral Cortex, 2009, 19, 315-326.	2.9	391
3	Justify your alpha. Nature Human Behaviour, 2018, 2, 168-171.	12.0	310
4	Neurocognitive control in dance perception and performance. Acta Psychologica, 2012, 139, 300-308.	1.5	244
5	Robotic movement preferentially engages the action observation network. Human Brain Mapping, 2012, 33, 2238-2254.	3.6	160
6	Dissociable substrates for body motion and physical experience in the human action observation network. European Journal of Neuroscience, 2009, 30, 1383-1392.	2.6	146
7	Ventral and dorsal stream contributions to the online control of immediate and delayed grasping: A TMS approach. Neuropsychologia, 2009, 47, 1553-1562.	1.6	118
8	Neural Substrates of Contextual Interference during Motor Learning Support a Model of Active Preparation. Journal of Cognitive Neuroscience, 2007, 19, 1854-1871.	2.3	116
9	The impact of aesthetic evaluation and physical ability on dance perception. Frontiers in Human Neuroscience, 2011, 5, 102.	2.0	109
10	From social brains to social robots: applying neurocognitive insights to humanâ€“robot interaction. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180024.	4.0	95
11	Shaping and reshaping the aesthetic brain: Emerging perspectives on the neurobiology of embodied aesthetics. Neuroscience and Biobehavioral Reviews, 2016, 62, 56-68.	6.1	85
12	The Perception of Emotion in Artificial Agents. IEEE Transactions on Cognitive and Developmental Systems, 2018, 10, 852-864.	3.8	85
13	Dynamic Modulation of the Action Observation Network by Movement Familiarity. Journal of Neuroscience, 2015, 35, 1561-1572.	3.6	82
14	What Makes a Robot Social? A Review of Social Robots from Science Fiction to a Home or Hospital Near You. Current Robotics Reports, 2021, 2, 9-19.	7.9	82
15	Neuroaesthetics and beyond: new horizons in applying the science of the brain to the art of dance. Phenomenology and the Cognitive Sciences, 2012, 11, 5-16.	1.8	80
16	Social Cognition in the Age of Humanâ€“Robot Interaction. Trends in Neurosciences, 2020, 43, 373-384.	8.6	78
17	Do alternative names block young and older adultsâ€™ retrieval of proper names?. Brain and Language, 2004, 89, 174-181.	1.6	68
18	The Control of Automatic Imitation Based on Bottomâ€“Up and Topâ€“Down Cues to Animacy: Insights from Brain and Behavior. Journal of Cognitive Neuroscience, 2014, 26, 2503-2513.	2.3	65

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19	The influence of visual training on predicting complex action sequences. Human Brain Mapping, 2013, 34, 467-486.	3.6	63
20	From automata to animate beings: the scope and limits of attributing socialness to artificial agents. Annals of the New York Academy of Sciences, 2018, 1426, 93-110.	3.8	60
21	Additive Routes to Action Learning: Layering Experience Shapes Engagement of the Action Observation Network. Cerebral Cortex, 2015, 25, 4799-4811.	2.9	58
22	The shaping of social perception by stimulus and knowledge cues to human animacy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150075.	4.0	57
23	Social Robots on a Global Stage: Establishing a Role for Culture During Humanâ€“Robot Interaction. International Journal of Social Robotics, 2021, 13, 1307-1333.	4.6	54
24	On-line grasp control is mediated by the contralateral hemisphere. Brain Research, 2007, 1175, 76-84.	2.2	53
25	Mind Meets Machine: Towards a Cognitive Science of Humanâ€“Machine Interactions. Trends in Cognitive Sciences, 2021, 25, 200-212.	7.8	52
26	Dance experience sculpts aesthetic perception and related brain circuits. Annals of the New York Academy of Sciences, 2015, 1337, 130-139.	3.8	50
27	Anodal tDCS over Primary Motor Cortex Provides No Advantage to Learning Motor Sequences via Observation. Neural Plasticity, 2018, 2018, 1-14.	2.2	50
28	Action observation in the infant brain: The role of body form and motion. Social Neuroscience, 2013, 8, 22-30.	1.3	44
29	Contorted and ordinary body postures in the human brain. Experimental Brain Research, 2010, 204, 397-407.	1.5	41
30	The impact of sensorimotor experience on affective evaluation of dance. Frontiers in Human Neuroscience, 2013, 7, 521.	2.0	40
31	Representing othersâ€™ actions: the role of expertise in the aging mind. Psychological Research, 2012, 76, 525-541.	1.7	38
32	Action Prediction in Younger versus Older Adults: Neural Correlates of Motor Familiarity. PLoS ONE, 2013, 8, e64195.	2.5	37
33	Physical experience leads to enhanced object perception in parietal cortex: Insights from knot tying. Neuropsychologia, 2012, 50, 3207-3217.	1.6	33
34	Watch and Learn: The Cognitive Neuroscience of Learning from Othersâ€™ Actions. Trends in Neurosciences, 2021, 44, 478-491.	8.6	30
35	Using guitar learning to probe the Action Observation Network's response to visuomotor familiarity. NeuroImage, 2017, 156, 174-189.	4.2	29
36	A neurocognitive investigation of the impact of socializing with a robot on empathy for pain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180034.	4.0	29

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37	Disentangling neural processes of egocentric and allocentric mental spatial transformations using whole-body photos of self and other. NeuroImage, 2015, 116, 30-39.	4.2	26
38	Decreased reward value of biological motion among individuals with autistic traits. Cognition, 2018, 171, 1-9.	2.2	19
39	A review and critical analysis of how cognitive neuroscientific investigations using dance can contribute to sport psychology. International Review of Sport and Exercise Psychology, 2014, 7, 42-71.	5.7	16
40	The Impact of Experience on Affective Responses during Action Observation. PLoS ONE, 2016, 11, e0154681.	2.5	16
41	Predicting othersâ€™ actions via grasp and gaze: evidence for distinct brain networks. Psychological Research, 2012, 76, 494-502.	1.7	15
42	Observing Action Sequences Elicits Sequence-Specific Neural Representations in Frontoparietal Brain Regions. Journal of Neuroscience, 2018, 38, 10114-10128.	3.6	15
43	Dance Training Shapes Action Perception and Its Neural Implementation within the Young and Older Adult Brain. Neural Plasticity, 2018, 2018, 1-20.	2.2	15
44	Human body motion captures visual attention and elicits pupillary dilation. Cognition, 2019, 193, 104029.	2.2	15
45	Eye Can See What You Want: Posterior Intraparietal Sulcus Encodes the Object of an Actor's Gaze. Journal of Cognitive Neuroscience, 2011, 23, 3400-3409.	2.3	14
46	The timing and precision of action prediction in the aging brain. Human Brain Mapping, 2016, 37, 54-66.	3.6	13
47	Learning to tie the knot: The acquisition of functional object representations by physical and observational experience. PLoS ONE, 2017, 12, e0185044.	2.5	13
48	Simulating and predicting othersâ€™ actions. Psychological Research, 2012, 76, 383-387.	1.7	12
49	The influence of sensorimotor experience on the aesthetic evaluation of dance across the life span. Progress in Brain Research, 2018, 237, 291-316.	1.4	12
50	No two are the same: Body shapeispart of identifying others. Cognitive Neuroscience, 2011, 2, 207-208.	1.4	11
51	There or not there? A multidisciplinary review and research agenda on the impact of transparent barriers on human perception, action, and social behavior. Frontiers in Psychology, 2015, 6, 1381.	2.1	11
52	Transient disruption of M1 during response planning impairs subsequent offline consolidation. Experimental Brain Research, 2009, 196, 303-309.	1.5	10
53	Have I grooved to this before? Discriminating practised and observed actions in a novel context. Acta Psychologica, 2017, 175, 42-49.	1.5	9
54	Fluid intelligence and working memory support dissociable aspects of learning by physical but not observational practice. Cognition, 2019, 190, 170-183.	2.2	8

#	Article	IF	Citations
55	Peopleâ€™s dispositional cooperative tendencies towards robots are unaffected by robotsâ€™ negative emotional displays in prisonerâ€™s dilemma games. Cognition and Emotion, 2022, 36, 995-1019.	2.0	5
56	Testing key predictions of the associative account of mirror neurons in humans using multivariate pattern analysis. Behavioral and Brain Sciences, 2014, 37, 213-215.	0.7	4
57	Motor Control in Action: Using Dance to Explore the Intricate Choreography Between Action Perception and Production in the Human Brain. Advances in Experimental Medicine and Biology, 2014, 826, 147-160.	1.6	4
58	Supramodal and modality-sensitive representations of perceived action categories in the human brain. Experimental Brain Research, 2013, 230, 345-357.	1.5	3
59	Understanding self and others: from origins to disorders. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150066.	4.0	3
60	Neurodevelopmental perspectives on dance learning: Insights from early adolescence and young adulthood. Progress in Brain Research, 2018, 237, 243-277.	1.4	3
61	Empathy and Schadenfreude in Humanâ€“Robot Teams. Journal of Cognition, 2021, 4, 35.	1.4	3
62	No evidence for enhanced likeability and social motivation towards robots after synchrony experience. Interaction Studies, 2020, 21, 7-23.	0.6	3
63	From dancing robots to action aesthetics: Re-examining mirror system activity as a function of the observer's experience. Neuroscience Research, 2011, 71, e44.	1.9	1
64	The Impact of Action Expertise on Shared Representations. , 0, , 541-562.		1
65	Cognitive and Social Neuroscience Methods for HRI. , 2018, , .		1
66	The McNorm library: creating and validating a new library of emotionally expressive whole body dance movements. Psychological Research, 2023, 87, 484-508.	1.7	1