

# Alice J O'toole

## List of Publications by Year in descending order

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58  
papers

5,587  
citations

116194

36  
h-index

169272

56  
g-index

58  
all docs

58  
docs citations

58  
times ranked

4117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accuracy Comparison Across Face Recognition Algorithms: Where Are We on Measuring Race Bias?. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2021, 3, 101-111.	3.8	90
2	Facial expression is retained in deep networks trained for face identification. Journal of Vision, 2021, 21, 4.	0.1	12
3	Seeing through disguise: Getting to know you with a deep convolutional neural network. Cognition, 2021, 211, 104611.	1.1	9
4	Closing the gap between single-unit and neural population codes: Insights from deep learning in face recognition. Journal of Vision, 2021, 21, 15.	0.1	7
5	Cortical processing of dynamic bodies in the superior occipito-temporal regions of the infants' brain: Difference from dynamic faces and inversion effect. NeuroImage, 2021, 244, 118598.	2.1	1
6	Face Recognition by Humans and Machines: Three Fundamental Advances from Deep Learning. Annual Review of Vision Science, 2021, 7, 543-570.	2.3	36
7	Integrating faces and bodies: Psychological and neural perspectives on whole person perception. Neuroscience and Biobehavioral Reviews, 2020, 112, 472-486.	2.9	24
8	Social Trait Information in Deep Convolutional Neural Networks Trained for Face Identification. Cognitive Science, 2019, 43, e12729.	0.8	17
9	Wisdom of the social versus non-social crowd in face identification. British Journal of Psychology, 2018, 109, 724-735.	1.2	11
10	Face recognition ability does not predict person identification performance: using individual data in the interpretation of group results. Cognitive Research: Principles and Implications, 2018, 3, 23.	1.1	16
11	The great debate: study proves whether people or algorithms are best at facial ID. Biometric Technology Today, 2018, 2018, 5-8.	0.7	1
12	Face recognition accuracy of forensic examiners, superrecognizers, and face recognition algorithms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6171-6176.	3.3	212
13	Face Space Representations in Deep Convolutional Neural Networks. Trends in Cognitive Sciences, 2018, 22, 794-809.	4.0	95
14	Recognizing approaching walkers: Neural decoding of person familiarity in cortical areas responsive to faces, bodies, and biological motion. NeuroImage, 2017, 146, 859-868.	2.1	18
15	Creating Body Shapes From Verbal Descriptions by Linking Similarity Spaces. Psychological Science, 2016, 27, 1486-1497.	1.8	12
16	Recognizing People in Motion. Trends in Cognitive Sciences, 2016, 20, 383-395.	4.0	104
17	Dissecting the time course of person recognition in natural viewing environments. British Journal of Psychology, 2016, 107, 117-134.	1.2	34
18	Spatiotemporal changes in neural response patterns to faces varying in visual familiarity. NeuroImage, 2015, 108, 151-159.	2.1	23

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19	Perceptual expertise in forensic facial image comparison. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151292.	1.2	99
20	The neural representation of faces and bodies in motion and at rest. NeuroImage, 2014, 91, 1-11.	2.1	14
21	Comparison of human and computer performance across face recognition experiments. Image and Vision Computing, 2014, 32, 74-85.	2.7	88
22	Unaware Person Recognition From the Body When Face Identification Fails. Psychological Science, 2013, 24, 2235-2243.	1.8	75
23	Computational perspectives on the other-race effect. Visual Cognition, 2013, 21, 1121-1137.	0.9	23
24	Comparing face recognition algorithms to humans on challenging tasks. ACM Transactions on Applied Perception, 2012, 9, 1-13.	1.2	40
25	Demographic effects on estimates of automatic face recognition performance. Image and Vision Computing, 2012, 30, 169-176.	2.7	32
26	Neural correlates of own- and other-race face perception: Spatial and temporal response differences. NeuroImage, 2011, 54, 2547-2555.	2.1	49
27	The neural processing of familiar and unfamiliar faces: A review and synopsis. British Journal of Psychology, 2011, 102, 726-747.	1.2	153
28	Recognizing people from dynamic and static faces and bodies: Dissecting identity with a fusion approach. Vision Research, 2011, 51, 74-83.	0.7	108
29	An other-race effect for face recognition algorithms. ACM Transactions on Applied Perception, 2011, 8, 1-11.	1.2	107
30	Dissociable Neural Patterns of Facial Identity across Changes in Viewpoint. Journal of Cognitive Neuroscience, 2010, 22, 1570-1582.	1.1	71
31	FRVT 2006 and ICE 2006 Large-Scale Experimental Results. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 831-846.	9.7	383
32	Three-Dimensional Information in Face Representations Revealed by Identity Aftereffects. Psychological Science, 2009, 20, 318-325.	1.8	30
33	Recognition of Moving and Static Faces by Young Infants. Child Development, 2009, 80, 1259-1271.	1.7	84
34	Face adaptation to gender: Does adaptation transfer across age categories?. Visual Cognition, 2009, 17, 700-715.	0.9	17
35	Humans versus algorithms: Comparisons from the Face Recognition Vendor Test 2006. , 2008, , .		12
36	Face Recognition Algorithms Surpass Humans Matching Faces Over Changes in Illumination. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1642-1646.	9.7	156

#	ARTICLE	IF	CITATIONS
37	Fusing Face-Verification Algorithms and Humans. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1149-1155.	5.5	47
38	Theoretical, Statistical, and Practical Perspectives on Pattern-based Classification Approaches to the Analysis of Functional Neuroimaging Data. Journal of Cognitive Neuroscience, 2007, 19, 1735-1752.	1.1	225
39	The role of familiarity in three-dimensional view-transferability of face identity adaptation. Vision Research, 2007, 47, 525-531.	0.7	63
40	Learning the Moves: The Effect of Familiarity and Facial Motion on Person Recognition across Large Changes in Viewing Format. Perception, 2006, 35, 761-773.	0.5	41
41	Probing the Visual Representation of Faces With Adaptation. Psychological Science, 2006, 17, 493-500.	1.8	105
42	Partially Distributed Representations of Objects and Faces in Ventral Temporal Cortex. Journal of Cognitive Neuroscience, 2005, 17, 580-590.	1.1	301
43	A video database of moving faces and people. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 812-816.	9.7	172
44	Psychological and Neural Perspectives on the Role of Motion in Face Recognition. Behavioral and Cognitive Neuroscience Reviews, 2003, 2, 15-46.	3.9	77
45	Recognizing moving faces: a psychological and neural synthesis. Trends in Cognitive Sciences, 2002, 6, 261-266.	4.0	413
46	Face recognition algorithms and the other-race effect: computational mechanisms for a developmental contact hypothesis. Cognitive Science, 2002, 26, 797-815.	0.8	119
47	Classifying adults' and children's faces by sex: computational investigations of subcategorical feature encoding. Cognitive Science, 2001, 25, 819-838.	0.8	17
48	Prototype-referenced shape encoding revealed by high-level aftereffects. Nature Neuroscience, 2001, 4, 89-94.	7.1	755
49	On The Other Side of the Mean: The Perception of Dissimilarity in Human Faces. Perception, 2000, 29, 885-891.	0.5	43
50	A signal detection model applied to the stimulus: Understanding covariances in face recognition experiments in the context of face sampling distributions. Visual Cognition, 2000, 7, 437-463.	0.9	5
51	Stimulus-specific effects in face recognition over changes in viewpoint. Vision Research, 1998, 38, 2351-2363.	0.7	135
52	Facial Aging, Attractiveness, and Distinctiveness. Perception, 1998, 27, 1233-1243.	0.5	58
53	Sex Classification is Better with Three-Dimensional Head Structure Than with Image Intensity Information. Perception, 1997, 26, 75-84.	0.5	133
54	Principal Component and Neural Network Analyses of Face Images: What Can Be Generalized in Gender Classification?. Journal of Mathematical Psychology, 1997, 41, 398-413.	1.0	47

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55	More about the Difference between Men and Women: Evidence from Linear Neural Networks and the Principal-Component Approach. <i>Perception</i> , 1995, 24, 539-562.	0.5	142
56	Connectionist models of face processing: A survey. <i>Pattern Recognition</i> , 1994, 27, 1209-1230.	5.1	309
57	Simulating the "Other-race Effect"™ as a Problem in Perceptual Learning. <i>Connection Science</i> , 1991, 3, 163-178.	1.8	77
58	A physical system approach to recognition memory for spatially transformed faces. <i>Neural Networks</i> , 1988, 1, 179-199.	3.3	40