Jason J S Barton

List of Publications by Year
in descending order

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129 papers	4,752 citations	101496 36 h-index	110317 64 g-index
159 all docs	159 docs citations	159 times ranked	3693 citing authors

#	Article	IF	Citations
1	Lesions of the fusiform face area impair perception of facial configuration in prosopagnosia. Neurology, 2002, 58, 71-78.	1.5	363
2	Defining the face processing network: Optimization of the functional localizer in fMRI. Human Brain Mapping, 2009, 30, 1637-1651.	1.9	281
3	Structure and function in acquired prosopagnosia: Lessons from a series of 10 patients with brain damage. Journal of Neuropsychology, 2008, 2, 197-225.	0.6	262
4	Disconnection in prosopagnosia and face processing. Cortex, 2008, 44, 996-1009.	1.1	193
5	Information Processing during Face Recognition: The Effects of Familiarity, Inversion, and Morphing on Scanning Fixations. Perception, 2006, 35, 1089-1105.	0.5	183
6	The correlates of subjective perception of identity and expression in the face network: An fMRI adaptation study. NeuroImage, 2009, 44, 569-580.	2.1	180
7	Unilateral Right Parietal Damage Leads to Bilateral Deficit for High-Level Motion. Neuron, 2001, 32, 985-995.	3.8	164
8	Developmental topographical disorientation: Case one. Neuropsychologia, 2009, 47, 30-40.	0.7	127
9	Face imagery and its relation to perception and covert recognition in prosopagnosia. Neurology, 2003, 61, 220-225.	1.5	102
10	Developmental topographical disorientation: a newly discovered cognitive disorder. Experimental Brain Research, 2010, 206, 189-196.	0.7	92
11	The word-length effect in reading: A review. Cognitive Neuropsychology, 2014, 31, 378-412.	0.4	91
12	Looking beyond the face area: lesion network mapping of prosopagnosia. Brain, 2019, 142, 3975-3990.	3.7	91
13	Are patients with social developmental disorders prosopagnosic? Perceptual heterogeneity in the Asperger and socio-emotional processing disorders. Brain, 2004, 127, 1706-1716.	3.7	88
14	Prosopagnosia: current perspectives. Eye and Brain, 2016, Volume 8, 165-175.	3.8	85
15	The problem of being bad at faces. Neuropsychologia, 2016, 89, 119-124.	0.7	81
16	Developmental prosopagnosia: A study of three patients. Brain and Cognition, 2003, 51, 12-30.	0.8	79
17	Age and gender differences in various topographical orientation strategies. Brain Research, 2011, 1410, 112-119.	1.1	74
18	The field defects of anterior temporal lobectomy: a quantitative reassessment of Meyer's loop. Brain, 2005, 128, 2123-2133.	3.7	71

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19	Navigational skills correlate with hippocampal fractional anisotropy in humans. Hippocampus, 2008, 18, 335-339.	0.9	70
20	Prosopagnosia associated with a left occipitotemporal lesion. Neuropsychologia, 2008, 46, 2214-2224.	0.7	67
21	Perceptual and anatomic patterns of selective deficits in facial identity and expression processing. Neuropsychologia, 2011, 49, 3188-3200.	0.7	67
22	â€œA room full of strangers every dayâ€: The psychosocial impact of developmental prosopagnosia on children and their families. Journal of Psychosomatic Research, 2014, 77, 144-150.	1.2	63
23	Relating visual to verbal semantic knowledge: the evaluation of object recognition in prosopagnosia. Brain, 2009, 132, 3456-3466.	3.7	61
24	Switching, plasticity, and prediction in a saccadic task-switch paradigm. Experimental Brain Research, 2006, 168, 76-87.	0.7	59
25	Critical frequencies in the perception of letters, faces, and novel shapes: Evidence for limited scale invariance for faces. Journal of Vision, 2010, 10, 20-20.	0.1	55
26	Perceptual Functions in Prosopagnosia. Perception, 2004, 33, 939-956.	0.5	54
27	Perception of global facial geometry in the inversion effect and prosopagnosia. Neuropsychologia, 2003, 41, 1703-1711.	0.7	53
28	Scan patterns during the processing of facial expression versus identity: An exploration of task-driven and stimulus-driven effects. Journal of Vision, 2008, 8, 2-2.	0.1	53
29	Word and text processing in developmental prosopagnosia. Cognitive Neuropsychology, 2016, 33, 315-328.	0.4	50
30	Encoding in the Visual Word Form Area: An fMRI Adaptation Study of Words versus Handwriting. Journal of Cognitive Neuroscience, 2010, 22, 1649-1661.	1.1	48
31	Voice Recognition in Face-Blind Patients. Cerebral Cortex, 2016, 26, 1473-1487.	1.6	47
32	The word-length effect in acquired alexia, and real and virtual hemianopia. Neuropsychologia, 2012, 50, 841-851.	0.7	45
33	Word and text processing in acquired prosopagnosia. Annals of Neurology, 2015, 78, 258-271.	2.8	44
34	Normal acquisition of expertise with greebles in two cases of acquired prosopagnosia. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5123-5128.	3.3	41
35	Disorder of higher visual function. Current Opinion in Neurology, 2011, 24, 1-5.	1.8	40
36	Disorders of higher visual processing. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2011, 102, 223-261.	1.0	40

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37	Reading words, seeing style: The neuropsychology of word, font and handwriting perception. Neuropsychologia, 2010, 48, 3868-3877.	0.7	39
38	The role of skin texture and facial shape in representations of age and identity. Cortex, 2013, 49, 252-265.	1.1	38
39	Acquired prosopagnosia structural basis and processing impairments. Frontiers in Bioscience - Elite, 2014, E6, 159-174.	0.9	37
40	Recognizing and identifying people: A neuropsychological review. Cortex, 2016, 75, 132-150.	1.1	37
41	Antisaccades and Task Switching. Annals of the New York Academy of Sciences, 2002, 956, 250-263.	1.8	34
42	Face perception is category-specific: Evidence from normal body perception in acquired prosopagnosia. Cognition, 2013, 129, 88-94.	1.1	34
43	The processing of voice identity in developmental prosopagnosia. Cortex, 2015, 71, 390-397.	1.1	32
44	The relationship between visual word and face processing lateralization in the fusiform gyri: A cross-sectional study. Brain Research, 2016, 1644, 88-97.	1.1	32
45	Object recognition in acquired and developmental prosopagnosia. Cognitive Neuropsychology, 2019, 36, 54-84.	0.4	32
46	The covert priming effect of faces in prosopagnosia. Neurology, 2004, 63, 2062-2068.	1.5	31
47	Getting lost: Topographic skills in acquired and developmental prosopagnosia. Cortex, 2016, 76, 89-103.	1.1	31
48	Attending to Faces: Change Detection, Familiarization, and Inversion Effects. Perception, 2003, 32, 15-28.	0.5	30
49	The relation between antisaccade errors, fixation stability and prosaccade errors in schizophrenia. Experimental Brain Research, 2008, 186, 273-282.	0.7	29
50	Task-switching with antisaccades versus no-go trials: a comparison of inter-trial effects. Experimental Brain Research, 2006, 172, 114-119.	0.7	28
51	Alexia With and Without Agraphia: An Assessment of Two Classical Syndromes. Canadian Journal of Neurological Sciences, 2008, 35, 616-624.	0.3	28
52	What is Meant by Impaired Configural Processing in Acquired Prosopagnosia?. Perception, 2009, 38, 242-260.	0.5	28
53	Facial age after-effects show partial identity invariance and transfer from hands to faces. Cortex, 2012, 48, 477-486.	1.1	27
54	Seeing the eyes in acquired prosopagnosia. Cortex, 2016, 81, 251-265.	1.1	26

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55	Investigations of face expertise in the social developmental disorders. Neurology, 2007, 69, 860-870.	1.5	25
56	Scan patterns during the processing of facial identity in prosopagnosia. Experimental Brain Research, 2007, 181, 199-211.	0.7	24
57	Selectivity in acquired prosopagnosia: The segregation of divergent and convergent operations. Neuropsychologia, 2016, 83, 76-87.	0.7	24
58	Perceptual Learning of Faces: A Rehabilitative Study of Acquired Prosopagnosia. Journal of Cognitive Neuroscience, 2017, 29, 573-591.	1.1	24
59	What Is Perseverated in Schizophrenia? Evidence of Abnormal Response Plasticity in the Saccadic System.. Journal of Abnormal Psychology, 2005, 114, 75-84.	2.0	22
60	Localization and patterns of Cerebral dyschromatopsia: A study of subjects with prospagnosia. Neuropsychologia, 2016, 89, 153-160.	0.7	22
61	The inter-trial effects of stimulus and saccadic direction on prosaccades and antisaccades, in controls and schizophrenia patients. Experimental Brain Research, 2006, 174, 487-498.	0.7	21
62	Vision Therapy: Ocular Motor Training in Mild Traumatic Brain Injury. Annals of Neurology, 2020, 88, 453-461.	2.8	21
63	Impaired spatial coding within objects but not between objects in prosopagnosia. Neurology, 2005, 65, 270-274.	1.5	19
64	Cross-orientation transfer of adaptation for facial identity is asymmetric: A study using contrast-based recognition thresholds. Vision Research, 2009, 49, 2254-2260.	0.7	19
65	Face perception in pure alexia: Complementary contributions of the left fusiform gyrus to facial identity and facial speech processing. Cortex, 2017, 96, 59-72.	1.1	19
66	Task-switching in schizophrenia: active switching costs and passive carry-over effects in an antisaccade paradigm. Experimental Brain Research, 2007, 181, 493-502.	0.7	17
67	A novel face aftereffect based on recognition contrast thresholds. Vision Research, 2010, 50, 1845-1854.	0.7	17
68	Perceptual efficiency and the inversion effect for faces, words and houses. Vision Research, 2018, 153, 91-97.	0.7	17
69	Training face perception in developmental prosopagnosia through perceptual learning. Neuropsychologia, 2019, 134, 107196.	0.7	17
70	Diagnosing Prosopagnosia: The Utility of Visual Noise in the Cambridge Face Recognition Test. Perception, 2018, 47, 330-343.	0.5	16
71	Progress in perceptual research: the case of prosopagnosia. F1000Research, 2019, 8, 765.	0.8	16
72	Visual Word Expertise: A Study of Inversion and the Word-Length Effect, with Perceptual Transforms. Perception, 2014, 43, 438-450.	0.5	15

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73	Neuroanatomic correlates of the feature-salience hierarchy in face processing: An fMRI -adaptation study. Neuropsychologia, 2014, 53, 274-283.	0.7	14
74	Representation of visual symbols in the visual word processing network. Neuropsychologia, 2015, 69, 232-241.	0.7	13
75	Objects and faces, faces and objectsâ€‰â€¦. Cognitive Neuropsychology, 2018, 35, 90-93.	0.4	13
76	Spatial Processing in BÃ¡lint Syndrome and Prosopagnosia: A Study of Three Patients. Journal of Neuro-Ophthalmology, 2007, 27, 268-274.	0.4	12
77	The effects of homonymous hemianopia in experimental studies of alexia. Neuropsychologia, 2015, 70, 156-164.	0.7	12
78	The effects of enhanced attention and working memory on smooth pursuit eye movement. Experimental Brain Research, 2018, 236, 485-495.	0.7	12
79	Perception of musical pitch in developmental prosopagnosia. Neuropsychologia, 2019, 124, 87-97.	0.7	12
80	The role of holistic face processing in acquired prosopagnosia: evidence from the composite face effect. Visual Cognition, 2016, 24, 304-320.	0.9	11
81	Search for Face Identity or Expression: Set Size Effects in Developmental Prosopagnosia. Journal of Cognitive Neuroscience, 2020, 32, 889-905.	1.1	11
82	Lack of Multisensory Integration in Hemianopia: No Influence of Visual Stimuli on Aurally Guided Saccades to the Blind Hemifield. PLoS ONE, 2015, 10, e0122054.	1.1	9
83	Vision therapy: Occlusion, prisms, filters, and vestibular exercises for mild traumatic brain injury. Survey of Ophthalmology, 2021, 66, 346-353.	1.7	9
84	Prosopagnosia and disorders of face processing. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 178, 175-193.	1.0	9
85	Gender in Facial Representations: A Contrast-Based Study of Adaptation within and between the Sexes. PLoS ONE, 2011, 6, e16251.	1.1	8
86	The symptomatic IV nerve palsy. Neuro-Ophthalmology, 2004, 28, 171-178.	0.4	6
87	â€˜Alternate-goal biasâ€™ in antisaccades and the influence of expectation. Experimental Brain Research, 2010, 203, 553-562.	0.7	6
88	The effect of central (macula) sparing on contralateral line bisection bias: A study with virtual hemianopia. Neuropsychologia, 2011, 49, 3377-3382.	0.7	6
89	Learning to read upside-down: a study of perceptual expertise and its acquisition. Experimental Brain Research, 2014, 232, 1025-1036.	0.7	6
90	Erasing the face after-effect. Brain Research, 2014, 1586, 152-161.	1.1	6

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91	Temporal dynamics of the face familiarity effect: bootstrap analysis of single-subject event-related potential data. Cognitive Neuropsychology, 2015, 32, 266-282.	0.4	6
92	The impact of central sparing on the word-length effect in hemianopia. Cognitive Neuropsychology, 2016, 33, 353-361.	0.4	6
93	Developmental Perceptual Impairments: Cases When Tone-Deafness and Prosopagnosia Co-occur. Frontiers in Human Neuroscience, 2018, 12, 438.	1.0	6
94	Visual search for complex objects: Set-size effects for faces, words and cars. Vision Research, 2019, 162, 8-19.	0.7	6
95	The Scanpaths of Subjects with Developmental Prosopagnosia during a Face Memory Task. Brain Sciences, 2019, 9, 188.	1.1	6
96	Contrasting domain-general and domain-specific accounts in cognitive neuropsychology: An outline of a new approach with developmental prosopagnosia as a case. Behavior Research Methods, 2022, 54, 2829-2842.	2.3	6
97	Mitochondrial Pseudomyasthenia. Journal of Neuro-Ophthalmology, 2010, 30, 248-251.	0.4	5
98	Report of the Canadian Neurological Society Manpower Survey 2012. Canadian Journal of Neurological Sciences, 2016, 43, 227-237.	0.3	5
99	The temporal dynamics of the distractor in the global effect. Experimental Brain Research, 2016, 234, 2457-2463.	0.7	4
100	Cross-modal interactions of faces, voices and names in person familiarity. Visual Cognition, 2017, 25, 666-678.	0.9	4
101	Working memory load improves diagnostic performance of smooth pursuit eye movement in mild traumatic brain injury patients with protracted recovery. Scientific Reports, 2019, 9, 291.	1.6	4
102	Alternating dual-task interference between visual words and faces. Brain Research, 2020, 1746, 147004.	1.1	4
103	Whole-object effects in visual word processing: Parallels with and differences from face recognition. Cognitive Neuropsychology, 2021, 38, 231-257.	0.4	4
104	Motion perception and its disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 178, 257-275.	1.0	4
105	Why do humans make antisaccade errors?. Experimental Brain Research, 2010, 201, 65-73.	0.7	3
106	Interactions between the perception of age and ethnicity in faces: an event-related potential study. Cognitive Neuropsychology, 2015, 32, 368-384.	0.4	3
107	The inter-trial effect of prepared but not executed antisaccades. Experimental Brain Research, 2014, 232, 3699-3705.	0.7	2
108	Viewpoint invariance in the discrimination of upright and inverted faces. Vision Research, 2008, 48, 2545-2554.	0.7	1

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109	Reply to â€œConcerning Vision Therapy and Ocular Motor Training in Mild <scp>TBI</scp>â€• Annals of Neurology, 2020, 88, 1054-1055.	2.8	1
110	Perceptual learning of faces: a rehabilitative study of acquired prosopagnosia. Journal of Vision, 2017, 17, 626.	0.1	1
111	Teaching Video NeuroImages: Thalamic infarct with pseudo-abducens and vertical gaze palsies and an unusual stroke mechanism. Neurology, 2016, 87, e60.	1.5	1
112	Facial identity and facial speech processing in developmental prosopagnosia. Neuropsychologia, 2022, 168, 108163.	0.7	1
113	The inversion effect in word recognition: The effect of language familiarity and handwriting. Perception, 2022, 51, 578-590.	0.5	1
114	Seeing faces: evidence suggesting cortical disinhibition in the genesis of visual hallucinations.. Nature Precedings, 2008, , .	0.1	0
115	Vision: It Is About the Brain. Journal of Neuro-Ophthalmology, 2018, 38, 271-275.	0.4	0
116	Reply to â€œLetter to the Editor Concerning Barton and Ranalliâ€• Annals of Neurology, 2021, 89, 420-421.	2.8	0
117	Reply to â€œLetter Concerningâ€•Vision Therapy: Ocular Motor Training in <scp>mTBI</scp>. Annals of Neurology, 2021, 89, 848-849.	2.8	0
118	Teaching Video NeuroImages: Bilateral Horizontal Gaze Palsies With Vertical Ocular Dysmetria From a Demyelinating Lesion of the Pontine Tegmentum. Neurology, 2021, 97, 10.1212/WNL.0000000000012328.	1.5	0
119	Authors' Response. Survey of Ophthalmology, 2021, 66, 677-679.	1.7	0
120	Prosopagnosia. , 2022, , 597-604.		0
121	Rehabilitation of visual disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 178, 361-386.	1.0	0
122	Is face perception preserved in pure alexia? Evaluating complementary contribution of the left fusiform gyrus to face processing. Journal of Vision, 2017, 17, 25.	0.1	0
123	PERCEPTUAL LEARNING OF FACES: A REHABILITATIVE STUDY OF DEVELOPMENTAL PROSOPAGNOSIA. Journal of Vision, 2017, 17, 625.	0.1	0
124	The effects of multi-modal sources of person information on the face encoding stage.. Journal of Vision, 2017, 17, 1009.	0.1	0
125	The face-number effect: a new test of face discrimination. Journal of Vision, 2018, 18, 154.	0.1	0
126	THE INTERACTION BETWEEN SELF-FACE, OWN-GENDER AND LEFT FIELD BIASES IN CHIMERIC FACES. Journal of Vision, 2018, 18, 1100.	0.1	0

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127	Inversion leads to qualitative changes in face processing but not in word processing. Journal of Vision, 2018, 18, 163.	0.1	0
128	Oblique saccades in internuclear ophthalmoplegia. Experimental Brain Research, 2022, 240, 861.	0.7	0
129	An ocular motor index of rapid face recognition: The â€˜looking-at-nothingâ€™ effect. Brain Research, 2022, 1783, 147839.	1.1	0