Jason J S Barton

List of Publications by Citations

126 papers	3,785 citations	34 h-index	58 g-index
159 ext. papers	4,323 ext. citations	3.6 avg, IF	5.76 L-index

#	Paper	IF	Citations
126	Lesions of the fusiform face area impair perception of facial configuration in prosopagnosia. *Neurology*, **2002**, 58, 71-8	6.5	325
125	Defining the face processing network: optimization of the functional localizer in fMRI. *Human Brain Mapping*, **2009**, 30, 1637-51	5.9	232
124	Structure and function in acquired prosopagnosia: lessons from a series of 10 patients with brain damage. *Journal of Neuropsychology*, **2008**, 2, 197-225	2.6	211
123	The correlates of subjective perception of identity and expression in the face network: an fMRI adaptation study. *NeuroImage*, **2009**, 44, 569-80	7.9	155
122	Disconnection in prosopagnosia and face processing. *Cortex*, **2008**, 44, 996-1009	3.8	154
121	Information processing during face recognition: the effects of familiarity, inversion, and morphing on scanning fixations. *Perception*, **2006**, 35, 1089-105	1.2	145
120	Unilateral right parietal damage leads to bilateral deficit for high-level motion. *Neuron*, **2001**, 32, 985-95	13.9	143
119	Developmental topographical disorientation: case one. *Neuropsychologia*, **2009**, 47, 30-40	3.2	110
118	Face imagery and its relation to perception and covert recognition in prosopagnosia. *Neurology*, **2003**, 61, 220-5	6.5	92
117	Developmental Topographical Disorientation: a newly discovered cognitive disorder. *Experimental Brain Research*, **2010**, 206, 189-96	2.3	74
116	Are patients with social developmental disorders prosopagnosic? Perceptual heterogeneity in the Asperger and socio-emotional processing disorders. *Brain*, **2004**, 127, 1706-16	11.2	71
115	Developmental prosopagnosia: a study of three patients. *Brain and Cognition*, **2003**, 51, 12-30	2.7	70
114	Age and gender differences in various topographical orientation strategies. *Brain Research*, **2011**, 1410, 112-9	3.7	64
113	The word-length effect in reading: a review. *Cognitive Neuropsychology*, **2014**, 31, 378-412	2.3	59
112	Prosopagnosia associated with a left occipitotemporal lesion. *Neuropsychologia*, **2008**, 46, 2214-24	3.2	58
111	Navigational skills correlate with hippocampal fractional anisotropy in humans. *Hippocampus*, **2008**, 18, 335-9	3.5	58
110	The field defects of anterior temporal lobectomy: a quantitative reassessment of Meyer\'s loop. *Brain*, **2005**, 128, 2123-33	11.2	57

109	Perceptual and anatomic patterns of selective deficits in facial identity and expression processing. *Neuropsychologia*, **2011**, 49, 3188-200	3.2	56
108	Switching, plasticity, and prediction in a saccadic task-switch paradigm. *Experimental Brain Research*, **2006**, 168, 76-87	2.3	56
107	The problem of being bad at faces. *Neuropsychologia*, **2016**, 89, 119-124	3.2	55
106	Perception of global facial geometry in the inversion effect and prosopagnosia. *Neuropsychologia*, **2003**, 41, 1703-11	3.2	51
105	Relating visual to verbal semantic knowledge: the evaluation of object recognition in prosopagnosia. *Brain*, **2009**, 132, 3456-66	11.2	49
104	Critical frequencies in the perception of letters, faces, and novel shapes: evidence for limited scale invariance for faces. *Journal of Vision*, **2010**, 10, 20	0.4	48
103	"A room full of strangers every day": the psychosocial impact of developmental prosopagnosia on children and their families. *Journal of Psychosomatic Research*, **2014**, 77, 144-50	4.1	47
102	Perceptual functions in prosopagnosia. *Perception*, **2004**, 33, 939-56	1.2	47
101	Prosopagnosia: current perspectives. *Eye and Brain*, **2016**, 8, 165-175	5.7	44
100	Encoding in the visual word form area: an fMRI adaptation study of words versus handwriting. *Journal of Cognitive Neuroscience*, **2010**, 22, 1649-61	3.1	43
99	Scan patterns during the processing of facial expression versus identity: an exploration of task-driven and stimulus-driven effects. *Journal of Vision*, **2008**, 8, 2.1-9	0.4	40
98	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, 5123-8	11.5	37
97	Reading words, seeing style: the neuropsychology of word, font and handwriting perception. *Neuropsychologia*, **2010**, 48, 3868-77	3.2	37
96	The word-length effect in acquired alexia, and real and virtual hemianopia. *Neuropsychologia*, **2012**, 50, 841-51	3.2	36
95	Word and text processing in developmental prosopagnosia. *Cognitive Neuropsychology*, **2016**, 33, 315-28	2.3	36
94	Looking beyond the face area: lesion network mapping of prosopagnosia. *Brain*, **2019**, 142, 3975-3990	11.2	36
93	Voice Recognition in Face-Blind Patients. *Cerebral Cortex*, **2016**, 26, 1473-1487	5.1	35
92	Recognizing and identifying people: A neuropsychological review. *Cortex*, **2016**, 75, 132-150	3.8	33

91	Antisaccades and task switching: studies of control processes in saccadic function in normal subjects and schizophrenic patients. *Annals of the New York Academy of Sciences*, **2002**, 956, 250-63	6.5	33
90	Face perception is category-specific: evidence from normal body perception in acquired prosopagnosia. *Cognition*, **2013**, 129, 88-94	3.5	31
89	Word and text processing in acquired prosopagnosia. *Annals of Neurology*, **2015**, 78, 258-71	9.4	31
88	The role of skin texture and facial shape in representations of age and identity. *Cortex*, **2013**, 49, 252-65	3.8	30
87	Attending to faces: change detection, familiarization, and inversion effects. *Perception*, **2003**, 32, 15-28	1.2	30
86	Acquired prosopagnosia: structural basis and processing impairments. *Frontiers in Bioscience - Elite*, **2014**, 6, 159-74	1.6	29
85	The covert priming effect of faces in prosopagnosia. *Neurology*, **2004**, 63, 2062-8	6.5	29
84	Disorders of higher visual processing. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2011**, 102, 223-61	3	28
83	Disorder of higher visual function. *Current Opinion in Neurology*, **2011**, 24, 1-5	7.1	26
82	Task-switching with antisaccades versus no-go trials: a comparison of inter-trial effects. *Experimental Brain Research*, **2006**, 172, 114-9	2.3	25
81	Getting lost: Topographic skills in acquired and developmental prosopagnosia. *Cortex*, **2016**, 76, 89-103	3.8	24
80	The processing of voice identity in developmental prosopagnosia. *Cortex*, **2015**, 71, 390-7	3.8	24
79	The relation between antisaccade errors, fixation stability and prosaccade errors in schizophrenia. *Experimental Brain Research*, **2008**, 186, 273-82	2.3	24
78	Investigations of face expertise in the social developmental disorders. *Neurology*, **2007**, 69, 860-70	6.5	24
77	What is meant by impaired configural processing in acquired prosopagnosia?. *Perception*, **2009**, 38, 242-60	1.2	23
76	Alexia with and without agraphia: an assessment of two classical syndromes. *Canadian Journal of Neurological Sciences*, **2008**, 35, 616-24	1	22
75	Facial age after-effects show partial identity invariance and transfer from hands to faces. *Cortex*, **2012**, 48, 477-86	3.8	21
74	Scan patterns during the processing of facial identity in prosopagnosia. *Experimental Brain Research* , **2007**, 181, 199-211	2.3	21

73	What is perseverated in schizophrenia? Evidence of abnormal response plasticity in the saccadic system. *Journal of Abnormal Psychology*, **2005**, 114, 75-84	7	21
72	The relationship between visual word and face processing lateralization in the fusiform gyri: A cross-sectional study. *Brain Research*, **2016**, 1644, 88-97	3.7	20
71	Selectivity in acquired prosopagnosia: The segregation of divergent and convergent operations. *Neuropsychologia*, **2016**, 83, 76-87	3.2	18
70	Perceptual Learning of Faces: A Rehabilitative Study of Acquired Prosopagnosia. *Journal of Cognitive Neuroscience*, **2017**, 29, 573-591	3.1	18
69	Cross-orientation transfer of adaptation for facial identity is asymmetric: a study using contrast-based recognition thresholds. *Vision Research*, **2009**, 49, 2254-60	2.1	18
68	The inter-trial effects of stimulus and saccadic direction on prosaccades and antisaccades, in controls and schizophrenia patients. *Experimental Brain Research*, **2006**, 174, 487-98	2.3	18
67	Seeing the eyes in acquired prosopagnosia. *Cortex*, **2016**, 81, 251-65	3.8	18
66	Localization and patterns of Cerebral dyschromatopsia: A study of subjects with prospagnosia. *Neuropsychologia*, **2016**, 89, 153-160	3.2	17
65	Impaired spatial coding within objects but not between objects in prosopagnosia. *Neurology*, **2005**, 65, 270-4	6.5	17
64	A novel face aftereffect based on recognition contrast thresholds. *Vision Research*, **2010**, 50, 1845-54	2.1	16
63	Face perception in pure alexia: Complementary contributions of the left fusiform gyrus to facial identity and facial speech processing. *Cortex*, **2017**, 96, 59-72	3.8	15
62	Object recognition in acquired and developmental prosopagnosia. *Cognitive Neuropsychology*, **2019**, 36, 54-84	2.3	14
61	Vision Therapy: Ocular Motor Training in Mild Traumatic Brain Injury. *Annals of Neurology*, **2020**, 88, 453-461	9.4	14
60	Task-switching in schizophrenia: active switching costs and passive carry-over effects in an antisaccade paradigm. *Experimental Brain Research*, **2007**, 181, 493-502	2.3	14
59	Neuroanatomic correlates of the feature-salience hierarchy in face processing: an fMRI -adaptation study. *Neuropsychologia*, **2014**, 53, 274-83	3.2	12
58	Diagnosing Prosopagnosia: The Utility of Visual Noise in the Cambridge Face Recognition Test. *Perception*, **2018**, 47, 330-343	1.2	11
57	Training face perception in developmental prosopagnosia through perceptual learning. *Neuropsychologia*, **2019**, 134, 107196	3.2	10
56	Objects and faces, faces and objects *Cognitive Neuropsychology*, **2018**, 35, 90-93	2.3	10

55	Visual word expertise: a study of inversion and the word-length effect, with perceptual transforms. *Perception*, **2014**, 43, 438-50	1.2	10
54	Spatial processing in B□nt syndrome and prosopagnosia: a study of three patients. *Journal of Neuro-Ophthalmology*, **2007**, 27, 268-74	2.6	10
53	Representation of visual symbols in the visual word processing network. *Neuropsychologia*, **2015**, 69, 232-41	3.2	9
52	The role of holistic face processing in acquired prosopagnosia: evidence from the composite face effect. *Visual Cognition*, **2016**, 24, 304-320	1.8	9
51	Perceptual efficiency and the inversion effect for faces, words and houses. *Vision Research*, **2018**, 153, 91-97	2.1	9
50	The effects of homonymous hemianopia in experimental studies of alexia. *Neuropsychologia*, **2015**, 70, 156-64	3.2	8
49	Progress in perceptual research: the case of prosopagnosia. *F1000Research*, **2019**, 8,	3.6	8
48	Gender in facial representations: a contrast-based study of adaptation within and between the sexes. *PLoS ONE*, **2011**, 6, e16251	3.7	8
47	Perception of musical pitch in developmental prosopagnosia. *Neuropsychologia*, **2019**, 124, 87-97	3.2	8
46	The effects of enhanced attention and working memory on smooth pursuit eye movement. *Experimental Brain Research*, **2018**, 236, 485-495	2.3	8
45	Lack of multisensory integration in hemianopia: no influence of visual stimuli on aurally guided saccades to the blind hemifield. *PLoS ONE*, **2015**, 10, e0122054	3.7	7
44	Temporal dynamics of the face familiarity effect: bootstrap analysis of single-subject event-related potential data. *Cognitive Neuropsychology*, **2015**, 32, 266-82	2.3	5
43	Erasing the face after-effect. *Brain Research*, **2014**, 1586, 152-61	3.7	5
42	Mitochondrial pseudomyasthenia. *Journal of Neuro-Ophthalmology*, **2010**, 30, 248-51	2.6	5
41	VAlternate-goal biasVin antisaccades and the influence of expectation. *Experimental Brain Research*, **2010**, 203, 553-62	2.3	5
40	The symptomatic IV nerve palsy. *Neuro-Ophthalmology*, **2004**, 28, 171-178	0.9	5
39	The temporal dynamics of the distractor in the global effect. *Experimental Brain Research*, **2016**, 234, 2457-63	2.3	4
38	Visual search for complex objects: Set-size effects for faces, words and cars. *Vision Research*, **2019**, 162, 8-19	2.1	4

37	Learning to read upside-down: a study of perceptual expertise and its acquisition. *Experimental Brain Research*, **2014**, 232, 1025-36	2.3	4
36	The effect of central (macula) sparing on contralateral line bisection bias: a study with virtual hemianopia. *Neuropsychologia*, **2011**, 49, 3377-82	3.2	4
35	Report of the Canadian Neurological Society Manpower Survey 2012. *Canadian Journal of Neurological Sciences*, **2016**, 43, 227-37	1	4
34	Developmental Perceptual Impairments: Cases When Tone-Deafness and Prosopagnosia Co-occur. *Frontiers in Human Neuroscience*, **2018**, 12, 438	3.3	4
33	The Scanpaths of Subjects with Developmental Prosopagnosia during a Face Memory Task. *Brain Sciences*, **2019**, 9,	3.4	3
32	Why do humans make antisaccade errors?. *Experimental Brain Research*, **2010**, 201, 65-73	2.3	3
31	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	4.9	2
30	Interactions between the perception of age and ethnicity in faces: an event-related potential study. *Cognitive Neuropsychology*, **2015**, 32, 368-84	2.3	2
29	Search for Face Identity or Expression: Set Size Effects in Developmental Prosopagnosia. *Journal of Cognitive Neuroscience*, **2020**, 32, 889-905	3.1	2
28	The impact of central sparing on the word-length effect in hemianopia. *Cognitive Neuropsychology*, **2016**, 33, 353-361	2.3	2
27	The inter-trial effect of prepared but not executed antisaccades. *Experimental Brain Research*, **2014**, 232, 3699-705	2.3	2
26	Vision therapy: Occlusion, prisms, filters, and vestibular exercises for mild traumatic brain injury. *Survey of Ophthalmology*, **2021**, 66, 346-353	6.1	2
25	Alternating dual-task interference between visual words and faces. *Brain Research*, **2020**, 1746, 147004	3.7	1
24	Perceptual learning of faces: a rehabilitative study of acquired prosopagnosia. *Journal of Vision*, **2017**, 17, 626	0.4	1
23	Teaching Video NeuroImages: Thalamic infarct with pseudo-abducens and vertical gaze palsies and an unusual stroke mechanism. *Neurology*, **2016**, 87, e60	6.5	1
22	Reply to "Concerning Vision Therapy and Ocular Motor Training in Mild TBI". *Annals of Neurology*, **2020**, 88, 1054-1055	9.4	1
21	Cross-modal interactions of faces, voices and names in person familiarity. *Visual Cognition*, **2017**, 25, 666-678	1.8	0
20	Facial identity and facial speech processing in developmental prosopagnosia.. *Neuropsychologia*, **2022**, 168, 108163	3.2	0

19	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**, 1	6.1	0
18	Prosopagnosia and disorders of face processing. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2021**, 178, 175-193	3	0
17	Whole-object effects in visual word processing: Parallels with and differences from face recognition. *Cognitive Neuropsychology*, **2021**, 38, 231-257	2.3	0
16	Motion perception and its disorders. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2021**, 178, 257-275	3	0
15	Viewpoint invariance in the discrimination of upright and inverted faces. *Vision Research*, **2008**, 48, 2545-54	2.1	
14	Oblique saccades in internuclear ophthalmoplegia.. *Experimental Brain Research*, **2022**, 240, 861	2.3	
13	The face-number effect: a new test of face discrimination. *Journal of Vision*, **2018**, 18, 154	0.4	
12	THE INTERACTION BETWEEN SELF-FACE, OWN-GENDER AND LEFT FIELD BIASES IN CHIMERIC FACES. *Journal of Vision*, **2018**, 18, 1100	0.4	
11	Inversion leads to qualitative changes in face processing but not in word processing. *Journal of Vision*, **2018**, 18, 163	0.4	
10	Is face perception preserved in pure alexia? Evaluating complementary contribution of the left fusiform gyrus to face processing. *Journal of Vision*, **2017**, 17, 25	0.4	
9	PERCEPTUAL LEARNING OF FACES: A REHABILITATIVE STUDY OF DEVELOPMENTAL PROSOPAGNOSIA. *Journal of Vision*, **2017**, 17, 625	0.4	
8	The effects of multi-modal sources of person information on the face encoding stage.. *Journal of Vision*, **2017**, 17, 1009	0.4	
7	Teaching Video NeuroImage: Bilateral Horizontal Gaze Palsies With Vertical Ocular Dysmetria From a Demyelinating Lesion of the Pontine Tegmentum. *Neurology*, **2021**, 97, e1868-e1869	6.5	
6	Reply to "Letter to the Editor Concerning Barton and Ranalli". *Annals of Neurology*, **2021**, 89, 420-421	9.4	
5	Reply to "Letter Concerning" Vision Therapy: Ocular Motor Training in mTBI. *Annals of Neurology*, **2021**, 89, 848-849	9.4	
4	AuthorsVResponse. *Survey of Ophthalmology*, **2021**, 66, 677-679	6.1	
3	Prosopagnosia **2022**, 597-604		
2	Rehabilitation of visual disorders. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2021**, 178, 361-386	3	

List of Publications

1	An ocular motor index of rapid face recognition: The Vooking-at-nothingVeffect.. *Brain Research*, **2022**, 1783, 147839	3.7