Nouchine Hadjikhani

List of Publications by Year in descending order

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150	13,740	53	113
papers	citations	h-index	g-index
161	161	161	13058
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Mechanisms of migraine aura revealed by functional MRI in human visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4687-4692.	3.3	1,312
2	Functional Analysis of V3A and Related Areas in Human Visual Cortex. Journal of Neuroscience, 1997, 17, 7060-7078.	1.7	742
3	The Retinotopy of Visual Spatial Attention. Neuron, 1998, 21, 1409-1422.	3.8	639
4	Anatomical Differences in the Mirror Neuron System and Social Cognition Network in Autism. Cerebral Cortex, 2006, 16, 1276-1282.	1.6	549
5	Retinotopy and color sensitivity in human visual cortical area V8. Nature Neuroscience, 1998, 1, 235-241.	7.1	476
6	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. Nature, 2010, 463, 671-675.	13.7	476
7	Fear fosters flight: A mechanism for fear contagion when perceiving emotion expressed by a whole body. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16701-16706.	3.3	423
8	Functional analysis of primary visual cortex (V1) in humans. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 811-817.	3.3	415
9	Mapping visual cortex in monkeys and humans using surface-based atlases. Vision Research, 2001, 41, 1359-1378.	0.7	401
10	Visual social attention in autism spectrum disorder: Insights from eye tracking studies. Neuroscience and Biobehavioral Reviews, 2014, 42, 279-297.	2.9	361
11	Epigenetic Modification of the <i>FMR1</i> Gene in Fragile X Syndrome Is Associated with Differential Response to the mGluR5 Antagonist AFQ056. Science Translational Medicine, 2011, 3, 64ra1.	5. 8	344
12	Response monitoring, repetitive behaviour and anterior cingulate abnormalities in autism spectrum disorders (ASD). Brain, 2008, 131, 2464-2478.	3.7	320
13	Altered functional magnetic resonance imaging restingâ€state connectivity in periaqueductal gray networks in migraine. Annals of Neurology, 2011, 70, 838-845.	2.8	314
14	Activation of the fusiform gyrus when individuals with autism spectrum disorder view faces. Neurolmage, 2004, 22, 1141-1150.	2.1	301
15	Abnormal activation of the social brain during face perception in autism. Human Brain Mapping, 2007, 28, 441-449.	1.9	257
16	Seeing Fearful Body Expressions Activates the Fusiform Cortex and Amygdala. Current Biology, 2003, 13, 2201-2205.	1.8	247
17	A randomised controlled trial of bumetanide in the treatment of autism in children. Translational Psychiatry, 2012, 2, e202-e202.	2.4	246
18	The representation of the ipsilateral visual field in human cerebral cortex. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 818-824.	3.3	229

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19	Where is 'Dorsal V4' in Human Visual Cortex? Retinotopic, Topographic and Functional Evidence. Cerebral Cortex, 2001, 11, 298-311.	1.6	227
20	Thickening in the somatosensory cortex of patients with migraine. Neurology, 2007, 69, 1990-1995.	1.5	222
21	Anatomical Alterations of the Visual Motion Processing Network in Migraine with and without Aura. PLoS Medicine, 2006, 3, e402.	3.9	218
22	Cross-Modal Transfer of Information between the Tactile and the Visual Representations in the Human Brain: A Positron Emission Tomographic Study. Journal of Neuroscience, 1998, 18, 1072-1084.	1.7	188
23	From retinotopy to recognition: fMRI in human visual cortex. Trends in Cognitive Sciences, 1998, 2, 174-183.	4.0	183
24	The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. Molecular Psychiatry, 2015, 20, 140-147.	4.1	160
25	Interictal alterations of the trigeminal somatosensory pathway and periaqueductal gray matter in migraine. NeuroReport, 2007, 18, 301-305.	0.6	141
26	Migraine: disease characterisation, biomarkers, and precision medicine. Lancet, The, 2021, 397, 1496-1504.	6.3	141
27	The missing link: Enhanced functional connectivity between amygdala and visceroceptive cortex in migraine. Cephalalgia, 2013, 33, 1264-1268.	1.8	138
28	Local and global attention are mapped retinotopically in human occipital cortex. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2077-2082.	3.3	130
29	Early (M170) activation of face-specific cortex by face-like objects. NeuroReport, 2009, 20, 403-407.	0.6	129
30	Neural basis of prosopagnosia: An fMRI study. Human Brain Mapping, 2002, 16, 176-182.	1.9	126
31	Migraine Aura and Related Phenomena: Beyond Scotomata and Scintillations. Cephalalgia, 2007, 27, 1368-1377.	1.8	120
32	fMRI activation during a language task in adolescents with ASD. Journal of the International Neuropsychological Society, 2008, 14, 967-979.	1.2	118
33	Pointing with the eyes: The role of gaze in communicating danger. Brain and Cognition, 2008, 68, 1-8.	0.8	117
34	Diffusion Spectrum Imaging Shows the Structural Basis of Functional Cerebellar Circuits in the Human Cerebellum In Vivo. PLoS ONE, 2009, 4, e5101.	1.1	116
35	Emotional contagion for pain is intact in autism spectrum disorders. Translational Psychiatry, 2014, 4, e343-e343.	2.4	104
36	Modulation of brainstem activity and connectivity by respiratory-gated auricular vagal afferent nerve stimulation in migraine patients. Pain, 2017, 158, 1461-1472.	2.0	99

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37	A modulatory role for facial expressions in prosopagnosia. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13105-13110.	3.3	95
38	Look me in the eyes: constraining gaze in the eye-region provokes abnormally high subcortical activation in autism. Scientific Reports, 2017, 7, 3163.	1.6	95
39	Improving emotional face perception in autism with diuretic bumetanide: A proof-of-concept behavioral and functional brain imaging pilot study. Autism, 2015, 19, 149-157.	2.4	93
40	Investigating Gaze of Children with ASD in Naturalistic Settings. PLoS ONE, 2012, 7, e44144.	1.1	93
41	Non-conscious recognition of emotional body language. NeuroReport, 2006, 17, 583-586.	0.6	91
42	The Cerebellum and Migraine. Headache, 2007, 47, 820-833.	1.8	87
43	Imaging of neuroinflammation in migraine with aura. Neurology, 2019, 92, e2038-e2050.	1.5	83
44	The Number of Genomic Copies at the 16p11.2 Locus Modulates Language, Verbal Memory, and Inhibition. Biological Psychiatry, 2016, 80, 129-139.	0.7	78
45	Body expressions of emotion do not trigger fear contagion in autism spectrum disorder. Social Cognitive and Affective Neuroscience, 2009, 4, 70-78.	1.5	73
46	Structural abnormalities in the thalamus of migraineurs with aura: A multiparametric study at 3 T. Human Brain Mapping, 2014, 35, 1461-1468.	1.9	72
47	Early Category-Specific Cortical Activation Revealed by Visual Stimulus Inversion. PLoS ONE, 2008, 3, e3503.	1.1	72
48	Influence of EEG electrodes on the BOLD fMRI signal. Human Brain Mapping, 2001, 14, 108-115.	1.9	68
49	Bumetanide for autism: more eye contact, less amygdala activation. Scientific Reports, 2018, 8, 3602.	1.6	64
50	Early visual cortex organization in autism: an fMRI study. NeuroReport, 2004, 15, 267-270.	0.6	61
51	Migraine Aura: Retracting Particle-Like Waves in Weakly Susceptible Cortex. PLoS ONE, 2009, 4, e5007.	1.1	61
52	Amygdala responses to avertedvsdirect gaze fear vary as a function of presentation speed. Social Cognitive and Affective Neuroscience, 2012, 7, 568-577.	1.5	60
53	Extraâ€Axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. Annals of Neurology, 2020, 87, 939-949.	2.8	60
54	Intact perception but abnormal orientation towards face-like objects in young children with ASD. Scientific Reports, 2016, 6, 22119.	1.6	57

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55	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. Biological Psychiatry, 2018, 84, 253-264.	0.7	56
56	Differences in white matter reflect atypical developmental trajectory in autism: A Tract-based Spatial Statistics study. NeuroImage: Clinical, 2012, 1, 48-56.	1.4	51
57	Statistical group comparison of diffusion tensors via multivariate hypothesis testing. Magnetic Resonance in Medicine, 2007, 57, 1065-1074.	1.9	49
58	A new early and automated MRI-based predictor of motor improvement after stroke. Neurology, 2012, 79, 39-46.	1.5	49
59	Projection of rods and cones within human visual cortex. , 2000, 9, 55-63.		48
60	Serotonin, pregnancy and increased autism prevalence: Is there a link?. Medical Hypotheses, 2010, 74, 880-883.	0.8	43
61	It's All in the Eyes: Subcortical and Cortical Activation during Grotesqueness Perception in Autism. PLoS ONE, 2013, 8, e54313.	1.1	42
62	Different Cortical Dynamics in Face and Body Perception: An MEG study. PLoS ONE, 2013, 8, e71408.	1.1	42
63	Neurovascular Coupling During Cortical Spreading Depolarization and –Depression. Stroke, 2015, 46, 1392-1401.	1.0	39
64	Culture, gaze and the neural processing of fear expressions. Social Cognitive and Affective Neuroscience, 2010, 5, 340-348.	1.5	38
65	A quantitative link between face discrimination deficits and neuronal selectivity for faces in autism. NeuroImage: Clinical, 2013, 2, 320-331.	1.4	37
66	Perception of Social Cues of Danger in Autism Spectrum Disorders. PLoS ONE, 2013, 8, e81206.	1.1	37
67	If it bleeds, it leads: separating threat from mere negativity. Social Cognitive and Affective Neuroscience, 2015, 10, 28-35.	1.5	37
68	A primer on diffusion tensor imaging of anatomical substructures. Neurosurgical Focus, 2003, 15, 1-4.	1.0	36
69	Complex syntax in autism spectrum disorders: a study of relative clauses. International Journal of Language and Communication Disorders, 2015, 50, 260-267.	0.7	35
70	[11C]PBR28 MR–PET imaging reveals lower regional brain expression of translocator protein (TSPO) in young adult males with autism spectrum disorder. Molecular Psychiatry, 2021, 26, 1659-1669.	4.1	35
71	In-vivo magnetic resonance imaging of the structural core of the Papez circuit in humans. NeuroReport, 2011, 22, 227-231.	0.6	34
72	Hypersensitivity to low intensity fearful faces in autism when fixation is constrained to the eyes. Human Brain Mapping, 2017, 38, 5943-5957.	1.9	33

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73	A 7 Tesla fMRI Study of Amygdala Responses to Fearful Faces. Brain Topography, 2012, 25, 125-128.	0.8	32
74	Dedifferentiated face processing in older adults is linked to lower resting state metabolic activity in fusiform face area. Brain Research, 2016, 1644, 22-31.	1.1	32
75	The Older Adult Positivity Effect in Evaluations of Trustworthiness: Emotion Regulation or Cognitive Capacity?. PLoS ONE, 2017, 12, e0169823.	1.1	31
76	Reply to "Has a new color area been discovered― Nature Neuroscience, 1998, 1, 335-336.	7.1	29
77	Early Preferential Responses to Fear Stimuli in Human Right Dorsal Visual Stream - A Meg Study. Scientific Reports, 2016, 6, 24831.	1.6	27
78	Reduced insula habituation associated with amplification of trigeminal brainstem input in migraine. Cephalalgia, 2017, 37, 1026-1038.	1.8	26
79	Cyclic Vomiting Syndrome is characterized by altered functional brain connectivity of the insular cortex: A crossâ€comparison with migraine and healthy adults. Neurogastroenterology and Motility, 2017, 29, e13004.	1.6	25
80	Low oxytocin levels are related to alexithymia in anorexia nervosa. International Journal of Eating Disorders, 2017, 50, 1332-1338.	2.1	25
81	Neuroimaging clues of migraine aura. Journal of Headache and Pain, 2019, 20, 32.	2.5	25
82	Machine learning analysis of pregnancy data enables early identification of a subpopulation of newborns with ASD. Scientific Reports, 2021, 11, 6877.	1.6	25
83	The pandemic brain: Neuroinflammation in non-infected individuals during the COVID-19 pandemic. Brain, Behavior, and Immunity, 2022, 102, 89-97.	2.0	25
84	Migraineurs Without Aura Show Microstructural Abnormalities in the Cerebellum and Frontal Lobe. Cerebellum, 2013, 12, 812-818.	1.4	23
85	Autism and emotional faceâ€viewing. Autism Research, 2017, 10, 901-910.	2.1	23
86	Input-dependent modulation of MEG gamma oscillations reflects gain control in the visual cortex. Scientific Reports, 2018, 8, 8451.	1.6	23
87	The Importance of Networking in Autism Gaze Analysis. PLoS ONE, 2015, 10, e0141191.	1.1	22
88	The effect of constraining eye-contact during dynamic emotional face perceptionâ€"an fMRI study. Social Cognitive and Affective Neuroscience, 2017, 12, 1197-1207.	1.5	22
89	Visual scanning during emotion recognition in longâ€term recovered anorexia nervosa: An eyeâ€tracking study. International Journal of Eating Disorders, 2019, 52, 691-700.	2.1	22
90	Oxytocin reduces the functional connectivity between brain regions involved in eating behavior in men with overweight and obesity. International Journal of Obesity, 2020, 44, 980-989.	1.6	22

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91	Older adults' neural activation in the reward circuit is sensitive to face trustworthiness. Cognitive, Affective and Behavioral Neuroscience, 2018, 18, 21-34.	1.0	21
92	Development of a parent-reported screening tool for avoidant/restrictive food intake disorder (ARFID): Initial validation and prevalence in 4-7-year-old Japanese children. Appetite, 2022, 168, 105735.	1.8	21
93	Social scene perception in autism spectrum disorder: An eye-tracking and pupillometric study. Journal of Clinical and Experimental Neuropsychology, 2019, 41, 1024-1032.	0.8	20
94	Neural gain control measured through cortical gamma oscillations is associated with sensory sensitivity. Human Brain Mapping, 2019, 40, 1583-1593.	1.9	19
95	Influence of anxiety and alexithymia on brain activations associated with the perception of others' pain in autism. Social Neuroscience, 2019, 14, 359-377.	0.7	19
96	Both dog and human faces are explored abnormally by young children with autism spectrum disorders. NeuroReport, 2014, 25, 1237-1241.	0.6	18
97	Stroke by Carotid Artery Complete Occlusion in Kawasaki Disease: Case Report and Review of Literature. Pediatric Neurology, 2013, 49, 469-473.	1.0	17
98	Brain barriers and their potential role in migraine pathophysiology. Journal of Headache and Pain, 2022, 23, 16.	2.5	17
99	Cortical hot spots and labyrinths: why cortical neuromodulation for episodic migraine with aura should be personalized. Frontiers in Computational Neuroscience, 2015, 9, 29.	1.2	16
100	Relevance of cortical thickness in migraine sufferers. Expert Review of Neurotherapeutics, 2008, 8, 327-329.	1.4	15
101	Pupillary Contagion in Autism. Psychological Science, 2019, 30, 309-315.	1.8	14
102	Anorexia nervosa and autism: a prospective twin cohort study. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2021, 62, 316-326.	3.1	14
103	The trigeminal system: The meningovascular complexâ€" A review. Journal of Anatomy, 2021, 239, 1-11.	0.9	14
104	Attention — brains at work!. Nature Neuroscience, 2000, 3, 206-208.	7.1	13
105	Is migraine a lateralization defect?. NeuroReport, 2008, 19, 1351-1353.	0.6	12
106	Developmental prosopagnosia in a patient with hypoplasia of the vermis cerebelli. Neurology, 2012, 78, 1700-1702.	1.5	12
107	Screening, Intervention and Outcome in Autism and Other Developmental Disorders: The Role of Randomized Controlled Trials. Journal of Autism and Developmental Disorders, 2014, 44, 2074-2076.	1.7	12
108	The c.429_452 duplication of the ARX gene: a unique developmental-model of limb kinetic apraxia. Orphanet Journal of Rare Diseases, 2014, 9, 25.	1,2	12

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109	Discriminating Grotesque from Typical Faces: Evidence from the Thatcher Illusion. PLoS ONE, 2011, 6, e23340.	1.1	10
110	A Novel Analog Reasoning Paradigm: New Insights in Intellectually Disabled Patients. PLoS ONE, 2016, 11, e0149717.	1.1	10
111	Basal ganglia involvement in ARX patients: The reason for ARX patients very specific grasping?. NeuroImage: Clinical, 2018, 19, 454-465.	1.4	10
112	Preserved action recognition in children with autism spectrum disorders: Evidence from an EEG and eyeâ€tracking study. Psychophysiology, 2021, 58, e13740.	1.2	10
113	Effect of visual stimuli of pain on empathy brain network in people with and without Autism Spectrum Disorder. European Journal of Neuroscience, 2018, 48, 2333-2342.	1.2	9
114	Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. NeuroImage, 2019, 203, 116155.	2.1	9
115	Autism classified by magnetic resonance imaging: A pilot study of a potential diagnostic tool. International Journal of Methods in Psychiatric Research, 2020, 29, 1-18.	1.1	9
116	Data-driven analysis of gaze patterns in face perception: Methodological and clinical contributions. Cortex, 2022, 147, 9-23.	1.1	9
117	Imaging the inflammatory phenotype in migraine. Journal of Headache and Pain, 2022, 23, .	2.5	9
118	Face Processing in School Children with Dyslexia: Neuropsychological and Eye-tracking Findings. Developmental Neuropsychology, 2022, 47, 78-92.	1.0	8
119	Dietary dopamine depletion blunts reward network sensitivity to face trustworthiness. Journal of Psychopharmacology, 2018, 32, 965-978.	2.0	7
120	Association of etiological factors across the extreme end and continuous variation in disordered eating in female Swedish twins. Psychological Medicine, 2021, 51, 750-760.	2.7	6
121	The concept of instability: a French perspective on the concept of ADHD. ADHD Attention Deficit and Hyperactivity Disorders, 2014, 6, 11-17.	1.7	5
122	Facial speech processing in children with and without dyslexia. Annals of Dyslexia, 2021, 71, 501-524.	1.2	5
123	Visual Perception in Migraine: A Narrative Review. Vision (Switzerland), 2021, 5, 20.	0.5	4
124	Ultrahigh field in vivo characterization of microstructural abnormalities in the orbitofrontal cortex and amygdala in autism. European Journal of Neuroscience, 2021, 54, 6229-6236.	1,2	4
125	Cross-modal transfer of information between the tactile and the visual systems in the human brain $\hat{a} \in \mathbb{C}^n$ a PET study. Neurolmage, 1996, 3, S363.	2.1	3
126	The Zappel-Philipp a historical example of ADHD Clinics. ADHD Attention Deficit and Hyperactivity Disorders, 2018, 10, 119-127.	1.7	3

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127	The Neurobiology of Autism. , 2019, , 129-157.		3
128	Simultaneous NIRS and EEG recording during visual stimulation. NeuroImage, 2001, 13, 46.	2.1	2
129	(395) Brainstem activity and connectivity is modulated by respiratory-gated auricular vagus afferent nerve stimulation (RAVANS) in migraine patients – an fMRI study. Journal of Pain, 2016, 17, S73-S74.	0.7	2
130	Age differences in Neural Activation to Face Trustworthiness: Voxel Pattern and Activation Level Assessments. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 278-291.	1.0	2
131	Can you have a migraine aura without knowing it?. Current Opinion in Neurology, 2021, 34, 350-355.	1.8	2
132	Treating Autism With Bumetanide: Are Large Multicentric and Monocentric Trials on Selected Populations Complementary?. Journal of the American Academy of Child and Adolescent Psychiatry, 2021, 60, 937-938.	0.3	2
133	Poster Withdrawn: QUANTIFYING THE EFFECTS OF 16P11.2 CNVs ON BRAIN STRUCTURE, A MULTI-SITE †GENETIC-FIRST†MRI STUDY. European Neuropsychopharmacology, 2019, 29, S859-S860.	0.3	1
134	Frontal Lobe Findings in Autism., 2021,, 2087-2094.		1
135	Developing tolerance to eye contact in autism: A feasibility study with adults using behavioral, interview, and psychophysiological data. Psychology of Language and Communication, 2021, 25, 240-263.	0.2	1
136	Insula Response to Interoception Is Inversely Correlated with Trait Mindfulness, Self-compassion, and Migraine Frequency in Patients with Episodic Migraine. Journal of Pain, 2022, 23, 45.	0.7	1
137	fMRI made clear. Trends in Neurosciences, 2002, 25, 485-486.	4.2	0
138	Title is missing!. Trends in Cognitive Sciences, 2003, 7, 479-480.	4.0	0
139	Shakespeare on the brain, Vivaldi on the weather, and Darwin on docu-soap?The Bard on the Brain: Understanding the Mind Through the Art of Shakespeare and the Science of Brain Imaging by Paul M. Matthews and Jeffrey McQuain, University of Chicago Press, 2003. E21.99/\$35.00 (192 pages) ISBN 0 97238 302 6. Trends in Cognitive Sciences, 2003. 7, 479-480.	4.0	0
140	Migraine aura: retracting particle-like waves in weakly susceptible cortex. Nature Precedings, 2008, , .	0.1	0
141	FazaClo. , 2013, , 1253-1253.		0
142	Neuropsychiatry., 2015,, 1049-1060.		0
143	Su1568 Reduced Brain Somatosensory Network Connectivity in Cyclic Vomiting Syndrome and Episodic Migraine Is Region-Specific. Gastroenterology, 2016, 150, S528-S529.	0.6	0
144	New insight in ARX-mutated patients' language specific impairment and underlying FOXP1 dysregulation. European Journal of Paediatric Neurology, 2017, 21, e66.	0.7	0

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145	Bumetanide to treat autism spectrum disorders: Clinical observations. , 2020, , 701-708.		O
146	Spatiotemporal dynamics and neural synchrony during perception of threatening vs. merely negative visual scenes. Journal of Vision, 2012, 12, 594-594.	0.1	0
147	Frontal Lobe Findings in Autism. , 2013, , 1333-1339.		0
148	Vision for action: saccadic and manual responses to clear threat and ambiguous negative scenes. Journal of Vision, 2015, 15, 358.	0.1	0
149	OR20-2 Oxytocin Significantly Attenuates the Functional Connectivity between Food Motivation Brain Areas in Overweight and Obese Men Exposed to High Caloric Food Images. Journal of the Endocrine Society, 2019, 3, .	0.1	0
150	Frontal Lobe Findings in Autism. , 2020, , 1-7.		0