

# Nouchine Hadjikhani

## List of Publications by Citations

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133  
papers

11,112  
citations

49  
h-index

105  
g-index

159  
ext. papers

12,610  
ext. citations

6.4  
avg, IF

6.05  
L-index

#	Paper	IF	Citations
133	Mechanisms of migraine aura revealed by functional MRI in human visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 4687-92	11.5	1087
132	Functional analysis of V3A and related areas in human visual cortex. <i>Journal of Neuroscience</i> , <b>1997</b> , 17, 7060-78	6.6	667
131	The retinotopy of visual spatial attention. <i>Neuron</i> , <b>1998</b> , 21, 1409-22	13.9	560
130	Anatomical differences in the mirror neuron system and social cognition network in autism. <i>Cerebral Cortex</i> , <b>2006</b> , 16, 1276-82	5.1	468
129	Retinotopy and color sensitivity in human visual cortical area V8. <i>Nature Neuroscience</i> , <b>1998</b> , 1, 235-41	25.5	420
128	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. <i>Nature</i> , <b>2010</b> , 463, 671-5	50.4	403
127	Fear fosters flight: a mechanism for fear contagion when perceiving emotion expressed by a whole body. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 16701-6	11.5	363
126	Functional analysis of primary visual cortex (V1) in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 811-7	11.5	347
125	Mapping visual cortex in monkeys and humans using surface-based atlases. <i>Vision Research</i> , <b>2001</b> , 41, 1359-78	2.1	344
124	Epigenetic modification of the FMR1 gene in fragile X syndrome is associated with differential response to the mGluR5 antagonist AFQ056. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 64ra1	17.5	287
123	Visual social attention in autism spectrum disorder: insights from eye tracking studies. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2014</b> , 42, 279-97	9	267
122	Response monitoring, repetitive behaviour and anterior cingulate abnormalities in autism spectrum disorders (ASD). <i>Brain</i> , <b>2008</b> , 131, 2464-78	11.2	263
121	Altered functional magnetic resonance imaging resting-state connectivity in periaqueductal gray networks in migraine. <i>Annals of Neurology</i> , <b>2011</b> , 70, 838-45	9.4	262
120	Activation of the fusiform gyrus when individuals with autism spectrum disorder view faces. <i>NeuroImage</i> , <b>2004</b> , 22, 1141-50	7.9	262
119	Abnormal activation of the social brain during face perception in autism. <i>Human Brain Mapping</i> , <b>2007</b> , 28, 441-9	5.9	215
118	Seeing fearful body expressions activates the fusiform cortex and amygdala. <i>Current Biology</i> , <b>2003</b> , 13, 2201-5	6.3	211
117	The representation of the ipsilateral visual field in human cerebral cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 818-24	11.5	209

116	Where is 'dorsal V4' in human visual cortex? Retinotopic, topographic and functional evidence. <i>Cerebral Cortex</i> , <b>2001</b> , 11, 298-311	5.1	192
115	Anatomical alterations of the visual motion processing network in migraine with and without aura. <i>PLoS Medicine</i> , <b>2006</b> , 3, e402	11.6	191
114	A randomised controlled trial of bumetanide in the treatment of autism in children. <i>Translational Psychiatry</i> , <b>2012</b> , 2, e202	8.6	185
113	Thickening in the somatosensory cortex of patients with migraine. <i>Neurology</i> , <b>2007</b> , 69, 1990-5	6.5	182
112	Cross-modal transfer of information between the tactile and the visual representations in the human brain: A positron emission tomographic study. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 1072-84	6.6	174
111	From retinotopy to recognition: fMRI in human visual cortex. <i>Trends in Cognitive Sciences</i> , <b>1998</b> , 2, 174-83	14	157
110	Interictal alterations of the trigeminal somatosensory pathway and periaqueductal gray matter in migraine. <i>NeuroReport</i> , <b>2007</b> , 18, 301-5	1.7	115
109	The 16p11.2 locus modulates brain structures common to autism, schizophrenia and obesity. <i>Molecular Psychiatry</i> , <b>2015</b> , 20, 140-7	15.1	112
108	Pointing with the eyes: the role of gaze in communicating danger. <i>Brain and Cognition</i> , <b>2008</b> , 68, 1-8	2.7	109
107	Neural basis of prosopagnosia: an fMRI study. <i>Human Brain Mapping</i> , <b>2002</b> , 16, 176-82	5.9	106
106	Diffusion spectrum imaging shows the structural basis of functional cerebellar circuits in the human cerebellum in vivo. <i>PLoS ONE</i> , <b>2009</b> , 4, e5101	3.7	106
105	The missing link: enhanced functional connectivity between amygdala and viscerosensitive cortex in migraine. <i>Cephalalgia</i> , <b>2013</b> , 33, 1264-8	6.1	104
104	Local and global attention are mapped retinotopically in human occipital cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 2077-82	11.5	101
103	Early (M170) activation of face-specific cortex by face-like objects. <i>NeuroReport</i> , <b>2009</b> , 20, 403-7	1.7	98
102	fMRI activation during a language task in adolescents with ASD. <i>Journal of the International Neuropsychological Society</i> , <b>2008</b> , 14, 967-79	3.1	95
101	Migraine aura and related phenomena: beyond scotomata and scintillations. <i>Cephalalgia</i> , <b>2007</b> , 27, 1368-77	6.7	89
100	A modulatory role for facial expressions in prosopagnosia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 13105-10	11.5	87
99	Non-conscious recognition of emotional body language. <i>NeuroReport</i> , <b>2006</b> , 17, 583-6	1.7	80

98	Emotional contagion for pain is intact in autism spectrum disorders. <i>Translational Psychiatry</i> , <b>2014</b> , 4, e343	8.6	78
97	OR20-2 Oxytocin Significantly Attenuates the Functional Connectivity between Food Motivation Brain Areas in Overweight and Obese Men Exposed to High Caloric Food Images. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
96	Investigating gaze of children with ASD in naturalistic settings. <i>PLoS ONE</i> , <b>2012</b> , 7, e44144	3.7	74
95	Improving emotional face perception in autism with diuretic bumetanide: a proof-of-concept behavioral and functional brain imaging pilot study. <i>Autism</i> , <b>2015</b> , 19, 149-57	6.6	71
94	The cerebellum and migraine. <i>Headache</i> , <b>2007</b> , 47, 820-33	4.2	68
93	Look me in the eyes: constraining gaze in the eye-region provokes abnormally high subcortical activation in autism. <i>Scientific Reports</i> , <b>2017</b> , 7, 3163	4.9	61
92	Modulation of brainstem activity and connectivity by respiratory-gated auricular vagal afferent nerve stimulation in migraine patients. <i>Pain</i> , <b>2017</b> , 158, 1461-1472	8	60
91	Body expressions of emotion do not trigger fear contagion in autism spectrum disorder. <i>Social Cognitive and Affective Neuroscience</i> , <b>2009</b> , 4, 70-8	4	58
90	Influence of EEG electrodes on the BOLD fMRI signal. <i>Human Brain Mapping</i> , <b>2001</b> , 14, 108-15	5.9	58
89	The Number of Genomic Copies at the 16p11.2 Locus Modulates Language, Verbal Memory, and Inhibition. <i>Biological Psychiatry</i> , <b>2016</b> , 80, 129-139	7.9	57
88	Amygdala responses to averted vs direct gaze fear vary as a function of presentation speed. <i>Social Cognitive and Affective Neuroscience</i> , <b>2012</b> , 7, 568-77	4	55
87	Structural abnormalities in the thalamus of migraineurs with aura: a multiparametric study at 3 T. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 1461-8	5.9	54
86	Migraine aura: retracting particle-like waves in weakly susceptible cortex. <i>PLoS ONE</i> , <b>2009</b> , 4, e5007	3.7	50
85	Early visual cortex organization in autism: an fMRI study. <i>NeuroReport</i> , <b>2004</b> , 15, 267-70	1.7	49
84	Early category-specific cortical activation revealed by visual stimulus inversion. <i>PLoS ONE</i> , <b>2008</b> , 3, e3503	3.7	45
83	Bumetanide for autism: more eye contact, less amygdala activation. <i>Scientific Reports</i> , <b>2018</b> , 8, 3602	4.9	44
82	Differences in white matter reflect atypical developmental trajectory in autism: A Tract-based Spatial Statistics study. <i>NeuroImage: Clinical</i> , <b>2012</b> , 1, 48-56	5.3	44
81	Statistical group comparison of diffusion tensors via multivariate hypothesis testing. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 57, 1065-74	4.4	42

80	Imaging of neuroinflammation in migraine with aura: A [C]PBR28 PET/MRI study. <i>Neurology</i> , <b>2019</b> , 92, e2038-e2050	6.5	40
79	Projection of rods and cones within human visual cortex. <i>Human Brain Mapping</i> , <b>2000</b> , 9, 55-63	5.9	38
78	Intact perception but abnormal orientation towards face-like objects in young children with ASD. <i>Scientific Reports</i> , <b>2016</b> , 6, 22119	4.9	38
77	A new early and automated MRI-based predictor of motor improvement after stroke. <i>Neurology</i> , <b>2012</b> , 79, 39-46	6.5	37
76	It's all in the eyes: subcortical and cortical activation during grotesqueness perception in autism. <i>PLoS ONE</i> , <b>2013</b> , 8, e54313	3.7	36
75	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , <b>2018</b> , 84, 253-264	7.9	33
74	Culture, gaze and the neural processing of fear expressions. <i>Social Cognitive and Affective Neuroscience</i> , <b>2010</b> , 5, 340-8	4	33
73	Serotonin, pregnancy and increased autism prevalence: is there a link?. <i>Medical Hypotheses</i> , <b>2010</b> , 74, 880-3	3.8	33
72	A primer on diffusion tensor imaging of anatomical substructures. <i>Neurosurgical Focus</i> , <b>2003</b> , 15, E4	4.2	33
71	Migraine: disease characterisation, biomarkers, and precision medicine. <i>Lancet, The</i> , <b>2021</b> , 397, 1496-1504	4.0	33
70	Neurovascular coupling during cortical spreading depolarization and -depression. <i>Stroke</i> , <b>2015</b> , 46, 1392-1397	4.1	30
69	In-vivo magnetic resonance imaging of the structural core of the Papez circuit in humans. <i>NeuroReport</i> , <b>2011</b> , 22, 227-31	1.7	30
68	Different cortical dynamics in face and body perception: an MEG study. <i>PLoS ONE</i> , <b>2013</b> , 8, e71408	3.7	29
67	If it bleeds, it leads: separating threat from mere negativity. <i>Social Cognitive and Affective Neuroscience</i> , <b>2015</b> , 10, 28-35	4	28
66	A quantitative link between face discrimination deficits and neuronal selectivity for faces in autism. <i>NeuroImage: Clinical</i> , <b>2013</b> , 2, 320-31	5.3	28
65	A 7 tesla fMRI study of amygdala responses to fearful faces. <i>Brain Topography</i> , <b>2012</b> , 25, 125-8	4.3	27
64	Reply to "Has a new color area been discovered" <i>Nature Neuroscience</i> , <b>1998</b> , 1, 335-336	25.5	27
63	Extra-Axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. <i>Annals of Neurology</i> , <b>2020</b> , 87, 939-949	9.4	24

62	Perception of social cues of danger in autism spectrum disorders. <i>PLoS ONE</i> , <b>2013</b> , 8, e81206	3.7	24
61	Hypersensitivity to low intensity fearful faces in autism when fixation is constrained to the eyes. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 5943-5957	5.9	22
60	Dedifferentiated face processing in older adults is linked to lower resting state metabolic activity in fusiform face area. <i>Brain Research</i> , <b>2016</b> , 1644, 22-31	3.7	22
59	Complex syntax in autism spectrum disorders: a study of relative clauses. <i>International Journal of Language and Communication Disorders</i> , <b>2015</b> , 50, 260-7	2.9	21
58	Reduced insula habituation associated with amplification of trigeminal brainstem input in migraine. <i>Cephalalgia</i> , <b>2017</b> , 37, 1026-1038	6.1	20
57	The Older Adult Positivity Effect in Evaluations of Trustworthiness: Emotion Regulation or Cognitive Capacity?. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169823	3.7	20
56	Visual scanning during emotion recognition in long-term recovered anorexia nervosa: An eye-tracking study. <i>International Journal of Eating Disorders</i> , <b>2019</b> , 52, 691-700	6.3	19
55	Migraineurs without aura show microstructural abnormalities in the cerebellum and frontal lobe. <i>Cerebellum</i> , <b>2013</b> , 12, 812-8	4.3	19
54	The effect of constraining eye-contact during dynamic emotional face perception-an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , <b>2017</b> , 12, 1197-1207	4	18
53	Autism and emotional face-viewing. <i>Autism Research</i> , <b>2017</b> , 10, 901-910	5.1	18
52	Cyclic Vomiting Syndrome is characterized by altered functional brain connectivity of the insular cortex: A cross-comparison with migraine and healthy adults. <i>Neurogastroenterology and Motility</i> , <b>2017</b> , 29, e13004	4	17
51	Low oxytocin levels are related to alexithymia in anorexia nervosa. <i>International Journal of Eating Disorders</i> , <b>2017</b> , 50, 1332-1338	6.3	17
50	Early Preferential Responses to Fear Stimuli in Human Right Dorsal Visual Stream--A Meg Study. <i>Scientific Reports</i> , <b>2016</b> , 6, 24831	4.9	17
49	[C]PBR28 MR-PET imaging reveals lower regional brain expression of translocator protein (TSPO) in young adult males with autism spectrum disorder. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 1659-1669	15.1	17
48	The Importance of Networking in Autism Gaze Analysis. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141191	3.7	15
47	Neuroimaging clues of migraine aura. <i>Journal of Headache and Pain</i> , <b>2019</b> , 20, 32	8.8	14
46	Cortical hot spots and labyrinths: why cortical neuromodulation for episodic migraine with aura should be personalized. <i>Frontiers in Computational Neuroscience</i> , <b>2015</b> , 9, 29	3.5	13
45	Older adults' neural activation in the reward circuit is sensitive to face trustworthiness. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2018</b> , 18, 21-34	3.5	13

44	Stroke by carotid artery complete occlusion in Kawasaki disease: case report and review of literature. <i>Pediatric Neurology</i> , <b>2013</b> , 49, 469-73	2.9	11
43	Developmental prosopagnosia in a patient with hypoplasia of the vermis cerebelli. <i>Neurology</i> , <b>2012</b> , 78, 1700-2	6.5	11
42	Input-dependent modulation of MEG gamma oscillations reflects gain control in the visual cortex. <i>Scientific Reports</i> , <b>2018</b> , 8, 8451	4.9	11
41	Screening, intervention and outcome in autism and other developmental disorders: the role of randomized controlled trials. <i>Journal of Autism and Developmental Disorders</i> , <b>2014</b> , 44, 2074-6	4.6	10
40	Is migraine a lateralization defect?. <i>NeuroReport</i> , <b>2008</b> , 19, 1351-3	1.7	10
39	Influence of anxiety and alexithymia on brain activations associated with the perception of others' pain in autism. <i>Social Neuroscience</i> , <b>2019</b> , 14, 359-377	2	10
38	Basal ganglia involvement in patients: The reason for patients very specific grasping?. <i>NeuroImage: Clinical</i> , <b>2018</b> , 19, 454-465	5.3	9
37	The c.429_452 duplication of the ARX gene: a unique developmental-model of limb kinetic apraxia. <i>Orphanet Journal of Rare Diseases</i> , <b>2014</b> , 9, 25	4.2	9
36	Both dog and human faces are explored abnormally by young children with autism spectrum disorders. <i>NeuroReport</i> , <b>2014</b> , 25, 1237-41	1.7	9
35	Discriminating grotesque from typical faces: evidence from the Thatcher illusion. <i>PLoS ONE</i> , <b>2011</b> , 6, e23340	3.7	9
34	Oxytocin reduces the functional connectivity between brain regions involved in eating behavior in men with overweight and obesity. <i>International Journal of Obesity</i> , <b>2020</b> , 44, 980-989	5.5	9
33	Machine learning analysis of pregnancy data enables early identification of a subpopulation of newborns with ASD. <i>Scientific Reports</i> , <b>2021</b> , 11, 6877	4.9	9
32	Neural gain control measured through cortical gamma oscillations is associated with sensory sensitivity. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 1583-1593	5.9	9
31	Pupillary Contagion in Autism. <i>Psychological Science</i> , <b>2019</b> , 30, 309-315	7.9	8
30	Anorexia nervosa and autism: a prospective twin cohort study. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , <b>2021</b> , 62, 316-326	7.9	8
29	Social scene perception in autism spectrum disorder: An eye-tracking and pupillometric study. <i>Journal of Clinical and Experimental Neuropsychology</i> , <b>2019</b> , 41, 1024-1032	2.1	7
28	Dietary dopamine depletion blunts reward network sensitivity to face trustworthiness. <i>Journal of Psychopharmacology</i> , <b>2018</b> , 32, 965-978	4.6	6
27	Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. <i>NeuroImage</i> , <b>2019</b> , 203, 116155	7.9	6

26	A Novel Analog Reasoning Paradigm: New Insights in Intellectually Disabled Patients. <i>PLoS ONE</i> , <b>2016</b> , 11, e0149717	3.7	6
25	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. <i>Appetite</i> , <b>2022</b> , 168, 105735	4.5	5
24	Preserved action recognition in children with autism spectrum disorders: Evidence from an EEG and eye-tracking study. <i>Psychophysiology</i> , <b>2021</b> , 58, e13740	4.1	4
23	Autism classified by magnetic resonance imaging: A pilot study of a potential diagnostic tool. <i>International Journal of Methods in Psychiatric Research</i> , <b>2020</b> , 29, 1-18	4.3	3
22	The Neurobiology of Autism <b>2019</b> , 129-157		3
21	Association of etiological factors across the extreme end and continuous variation in disordered eating in female Swedish twins. <i>Psychological Medicine</i> , <b>2021</b> , 51, 750-760	6.9	3
20	The trigeminal system: The meningeovascular complex- A review. <i>Journal of Anatomy</i> , <b>2021</b> , 239, 1-11	2.9	3
19	Effect of visual stimuli of pain on empathy brain network in people with and without Autism Spectrum Disorder. <i>European Journal of Neuroscience</i> , <b>2018</b> , 48, 2333-2342	3.5	3
18	The pandemic brain: Neuroinflammation in non-infected individuals during the COVID-19 pandemic.. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> , 102, 89-97	16.6	3
17	(395) Brainstem activity and connectivity is modulated by respiratory-gated auricular vagus afferent nerve stimulation (RAVANS) in migraine patients in fMRI study. <i>Journal of Pain</i> , <b>2016</b> , 17, S73-S74	5.2	2
16	The concept of instability: a French perspective on the concept of ADHD. <i>ADHD Attention Deficit and Hyperactivity Disorders</i> , <b>2014</b> , 6, 11-7	3.1	2
15	Simultaneous NIRS and EEG recording during visual stimulation. <i>NeuroImage</i> , <b>2001</b> , 13, 46	7.9	2
14	Cross-modal transfer of information between the tactile and the visual systems in the human brain in PET study. <i>NeuroImage</i> , <b>1996</b> , 3, S363	7.9	2
13	Visual Perception in Migraine: A Narrative Review. <i>Vision (Switzerland)</i> , <b>2021</b> , 5,	2.3	2
12	Facial speech processing in children with and without dyslexia. <i>Annals of Dyslexia</i> , <b>2021</b> , 71, 501-524	1.8	2
11	The Zappel-Philipp a historical example of ADHD Clinics. <i>ADHD Attention Deficit and Hyperactivity Disorders</i> , <b>2018</b> , 10, 119-127	3.1	1
10	Brain barriers and their potential role in migraine pathophysiology.. <i>Journal of Headache and Pain</i> , <b>2022</b> , 23, 16	8.8	1
9	Data-driven analysis of gaze patterns in face perception: Methodological and clinical contributions.. <i>Cortex</i> , <b>2021</b> , 147, 9-23	3.8	1



8	Age differences in Neural Activation to Face Trustworthiness: Voxel Pattern and Activation Level Assessments. <i>Cognitive, Affective and Behavioral Neuroscience</i> , <b>2021</b> , 21, 278-291	3.5	1
7	Treating Autism With Bumetanide: Are Large Multicentric and Monocentric Trials on Selected Populations Complementary?. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , <b>2021</b> , 60, 937-938	7.2	1
6	Face Processing in School Children with Dyslexia: Neuropsychological and Eye-tracking Findings.. <i>Developmental Neuropsychology</i> , <b>2022</b> , 1-15	1.8	0
5	Can you have a migraine aura without knowing it?. <i>Current Opinion in Neurology</i> , <b>2021</b> , 34, 350-355	7.1	0
4	Ultrahigh field in vivo characterization of microstructural abnormalities in the orbitofrontal cortex and amygdala in autism. <i>European Journal of Neuroscience</i> , <b>2021</b> , 54, 6229-6236	3.5	0
3	Neuropsychiatry <b>2015</b> , 1049-1060		
2	Bumetanide to treat autism spectrum disorders: Clinical observations <b>2020</b> , 701-708		
1	Developing tolerance to eye contact in autism: A feasibility study with adults using behavioral, interview, and psychophysiological data. <i>Psychology of Language and Communication</i> , <b>2021</b> , 25, 240-263 <sup>0.4</sup>		