

Nicole R ZÃ¼rcher

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,618
citations

185998

28
h-index

197535

49
g-index

56
all docs

56
docs citations

56
times ranked

4246
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for brain glial activation in chronic pain patients. <i>Brain</i> , 2015, 138, 604-615.	3.7	372
2	Increased in vivo glial activation in patients with amyotrophic lateral sclerosis: Assessed with [¹¹ C]-PBR28. <i>NeuroImage: Clinical</i> , 2015, 7, 409-414.	1.4	176
3	Dynamic functional imaging of brain glucose utilization using fPET-FDG. <i>NeuroImage</i> , 2014, 100, 192-199.	2.1	123
4	Emotional contagion for pain is intact in autism spectrum disorders. <i>Translational Psychiatry</i> , 2014, 4, e343-e343.	2.4	104
5	Look me in the eyes: constraining gaze in the eye-region provokes abnormally high subcortical activation in autism. <i>Scientific Reports</i> , 2017, 7, 3163.	1.6	95
6	Improving emotional face perception in autism with diuretic bumetanide: A proof-of-concept behavioral and functional brain imaging pilot study. <i>Autism</i> , 2015, 19, 149-157.	2.4	93
7	Toward an immune-mediated subtype of autism spectrum disorder. <i>Brain Research</i> , 2015, 1617, 72-92.	1.1	84
8	Glial activation colocalizes with structural abnormalities in amyotrophic lateral sclerosis. <i>Neurology</i> , 2016, 87, 2554-2561.	1.5	83
9	Insights into neuroepigenetics through human histone deacetylase PET imaging. <i>Science Translational Medicine</i> , 2016, 8, 351ra106.	5.8	83
10	Imaging of neuroinflammation in migraine with aura. <i>Neurology</i> , 2019, 92, e2038-e2050.	1.5	83
11	Integrated magnetic resonance imaging and [¹¹ C]â€PBR28 positron emission tomographic imaging in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2018, 83, 1186-1197.	2.8	75
12	A systematic review of molecular imaging (PET and SPECT) in autism spectrum disorder: Current state and future research opportunities. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 52, 56-73.	2.9	74
13	Bumetanide for autism: more eye contact, less amygdala activation. <i>Scientific Reports</i> , 2018, 8, 3602.	1.6	64
14	Neuroinflammation in Huntingtonâ€™s Disease: New Insights with [¹¹ C]-PBR28 PET/MRI. <i>ACS Chemical Neuroscience</i> , 2018, 9, 2563-2571.	1.7	60
15	Extraâ€Axial Inflammatory Signal in Parameninges in Migraine with Visual Aura. <i>Annals of Neurology</i> , 2020, 87, 939-949.	2.8	60
16	PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. <i>Journal of Clinical Investigation</i> , 2018, 129, 364-372.	3.9	57
17	Quantifying the Effects of 16p11.2 Copy Number Variants on Brain Structure: A Multisite Genetic-First Study. <i>Biological Psychiatry</i> , 2018, 84, 253-264.	0.7	56
18	Effects of Prenatal Dexamethasone Treatment on Physical Growth, Pituitary-Adrenal Hormones, and Performance of Motor, Motivational, and Cognitive Tasks in Juvenile and Adolescent Common Marmoset Monkeys. <i>Endocrinology</i> , 2008, 149, 6343-6355.	1.4	52

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19	Differences in white matter reflect atypical developmental trajectory in autism: A Tract-based Spatial Statistics study. <i>NeuroImage: Clinical</i> , 2012, 1, 48-56.	1.4	51
20	Integrated imaging of [11C]-PBR28 PET, MR diffusion and magnetic resonance spectroscopy 1H-MRS in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2018, 20, 357-364.	1.4	45
21	Poor nutrition during pregnancy and lactation negatively affects neurodevelopment of the offspring: evidence from a translational primate model. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 396-402.	2.2	43
22	Itâ€™s All in the Eyes: Subcortical and Cortical Activation during Grotesqueness Perception in Autism. <i>PLoS ONE</i> , 2013, 8, e54313.	1.1	42
23	Prenatal betamethasone exposure has sex specific effects in reversal learning and attention in juvenile baboons. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 204, 545.e1-545.e10.	0.7	40
24	Perception of Social Cues of Danger in Autism Spectrum Disorders. <i>PLoS ONE</i> , 2013, 8, e81206.	1.1	37
25	Neuroepigenetic signatures of age and sex in the living human brain. <i>Nature Communications</i> , 2019, 10, 2945.	5.8	36
26	[11C]PBR28 MRâ€“PET imaging reveals lower regional brain expression of translocator protein (TSPO) in young adult males with autism spectrum disorder. <i>Molecular Psychiatry</i> , 2021, 26, 1659-1669.	4.1	35
27	Hypersensitivity to low intensity fearful faces in autism when fixation is constrained to the eyes. <i>Human Brain Mapping</i> , 2017, 38, 5943-5957.	1.9	33
28	A simultaneous [11C]raclopride positron emission tomography and functional magnetic resonance imaging investigation of striatal dopamine binding in autism. <i>Translational Psychiatry</i> , 2021, 11, 33.	2.4	33
29	A 7 Tesla fMRI Study of Amygdala Responses to Fearful Faces. <i>Brain Topography</i> , 2012, 25, 125-128.	0.8	32
30	Pseudoreference Regions for Glial Imaging with ¹¹ C-PBR28: Investigation in 2 Clinical Cohorts. <i>Journal of Nuclear Medicine</i> , 2018, 59, 107-114.	2.8	32
31	Imaging of glia activation in people with primary lateral sclerosis. <i>NeuroImage: Clinical</i> , 2018, 17, 347-353.	1.4	29
32	A pilot trial of RNS60 in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2019, 59, 303-308.	1.0	29
33	CANTAB delayed matching to sample task performance in juvenile baboons. <i>Journal of Neuroscience Methods</i> , 2011, 196, 258-263.	1.3	28
34	Performance of juvenile baboons on neuropsychological tests assessing associative learning, motivation and attention. <i>Journal of Neuroscience Methods</i> , 2010, 188, 219-225.	1.3	27
35	The pandemic brain: Neuroinflammation in non-infected individuals during the COVID-19 pandemic. <i>Brain, Behavior, and Immunity</i> , 2022, 102, 89-97.	2.0	25
36	Epigenetics of Autism Spectrum Disorder: Histone Deacetylases. <i>Biological Psychiatry</i> , 2022, 91, 922-933.	0.7	23

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37	The effect of constraining eye-contact during dynamic emotional face perceptionâ€”an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2017, 12, 1197-1207.	1.5	22
38	A Protocol for Sedation Free MRI and PET Imaging in Adults with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2019, 49, 3036-3044.	1.7	22
39	Moving Toward Multicenter Therapeutic Trials in Amyotrophic Lateral Sclerosis: Feasibility of Data Pooling Using Different Translocator Protein PET Radioligands. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1621-1627.	2.8	22
40	Ibudilast (MN-166) in amyotrophic lateral sclerosis- an open label, safety and pharmacodynamic trial. <i>NeuroImage: Clinical</i> , 2021, 30, 102672.	1.4	21
41	Influence of anxiety and alexithymia on brain activations associated with the perception of othersâ€™ pain in autism. <i>Social Neuroscience</i> , 2019, 14, 359-377.	0.7	19
42	In vivo human brain expression of histone deacetylases in bipolar disorder. <i>Translational Psychiatry</i> , 2020, 10, 224.	2.4	17
43	Pupillary Contagion in Autism. <i>Psychological Science</i> , 2019, 30, 309-315.	1.8	14
44	Tracing the History of the Human Translocator Protein to Recent Neurodegenerative and Psychiatric Imaging. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2192-2200.	1.7	13
45	Discriminating Grotesque from Typical Faces: Evidence from the Thatcher Illusion. <i>PLoS ONE</i> , 2011, 6, e23340.	1.1	10
46	Effect of visual stimuli of pain on empathy brain network in people with and without Autism Spectrum Disorder. <i>European Journal of Neuroscience</i> , 2018, 48, 2333-2342.	1.2	9
47	Class I and II histone deacetylase expression is not altered in human amyotrophic lateral sclerosis: Neuropathological and positron emission tomography molecular neuroimaging evidence. <i>Muscle and Nerve</i> , 2019, 60, 443-452.	1.0	9
48	Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. <i>NeuroImage</i> , 2019, 203, 116155.	2.1	9
49	Comparison of Two Clinical Upper Motor Neuron Burden Rating Scales in ALS Using Quantitative Brain Imaging. <i>ACS Chemical Neuroscience</i> , 2021, 12, 906-916.	1.7	9
50	Long-Term Effects of Repeated Blast Exposure in United States Special Operations Forces Personnel: A Pilot Study Protocol. <i>Journal of Neurotrauma</i> , 2022, 39, 1391-1407.	1.7	4
51	Imaging Epigenetics of Prenatal THC. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1466-1468.	1.7	2
52	Time Will Tell the Utility of Biomarkers. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1692-1695.	1.7	1
53	Reply to KN Litwak and S Levin. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 211-212.	2.2	0
54	Novel Insights Into Facial Emotion Encoding in Autism Spectrum Disorder Through Deep Learning. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2022, 7, 631-632.	1.1	0