

# Nicole R Zrcher

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52  
papers

1,837  
citations

26  
h-index

42  
g-index

56  
ext. papers

2,252  
ext. citations

6.4  
avg, IF

4.45  
L-index

#	Paper	IF	Citations
52	Evidence for brain glial activation in chronic pain patients. <i>Brain</i> , <b>2015</b> , 138, 604-15	11.2	292
51	Increased in vivo glial activation in patients with amyotrophic lateral sclerosis: assessed with [(11)C]-PBR28. <i>NeuroImage: Clinical</i> , <b>2015</b> , 7, 409-14	5.3	143
50	Dynamic functional imaging of brain glucose utilization using fPET-FDG. <i>NeuroImage</i> , <b>2014</b> , 100, 192-9	7.9	78
49	Emotional contagion for pain is intact in autism spectrum disorders. <i>Translational Psychiatry</i> , <b>2014</b> , 4, e343	8.6	78
48	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
47	Glial activation colocalizes with structural abnormalities in amyotrophic lateral sclerosis. <i>Neurology</i> , <b>2016</b> , 87, 2554-2561	6.5	67
46	Insights into neuroepigenetics through human histone deacetylase PET imaging. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 351ra106	17.5	66
45	Toward an immune-mediated subtype of autism spectrum disorder. <i>Brain Research</i> , <b>2015</b> , 1617, 72-92	3.7	63
44	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
43	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> , <b>2015</b> , 52, 56-73	9	60
42	Integrated magnetic resonance imaging and [C]-PBR28 positron emission tomographic imaging in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , <b>2018</b> , 83, 1186-1197	9.4	56
41	Bumetanide for autism: more eye contact, less amygdala activation. <i>Scientific Reports</i> , <b>2018</b> , 8, 3602	4.9	44
40	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
39	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> , <b>2008</b> , 149, 6343-55	4.8	44
38	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
37	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> , <b>2013</b> , 98, 396-402	7	39
36	Prenatal betamethasone exposure has sex specific effects in reversal learning and attention in juvenile baboons. <i>American Journal of Obstetrics and Gynecology</i> , <b>2011</b> , 204, 545.e1-10	6.4	37

35	Neuroinflammation in Huntington's Disease: New Insights with C-PBR28 PET/MRI. <i>ACS Chemical Neuroscience</i> , <b>2018</b> , 9, 2563-2571	5.7	36
34	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
33	PET neuroimaging reveals histone deacetylase dysregulation in schizophrenia. <i>Journal of Clinical Investigation</i> , <b>2019</b> , 129, 364-372	15.9	34
32	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
31	Integrated imaging of [C]-PBR28 PET, MR diffusion and magnetic resonance spectroscopy H-MRS in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , <b>2018</b> , 20, 357-364	5.3	28
30	Neuroepigenetic signatures of age and sex in the living human brain. <i>Nature Communications</i> , <b>2019</b> , 10, 2945	17.4	28
29	A 7 tesla fMRI study of amygdala responses to fearful faces. <i>Brain Topography</i> , <b>2012</b> , 25, 125-8	4.3	27
28	Pseudoreference Regions for Glial Imaging with C-PBR28: Investigation in 2 Clinical Cohorts. <i>Journal of Nuclear Medicine</i> , <b>2018</b> , 59, 107-114	8.9	26
27	Performance of juvenile baboons on neuropsychological tests assessing associative learning, motivation and attention. <i>Journal of Neuroscience Methods</i> , <b>2010</b> , 188, 219-25	3	26
26	CANTAB delayed matching to sample task performance in juvenile baboons. <i>Journal of Neuroscience Methods</i> , <b>2011</b> , 196, 258-63	3	25
25	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
24	Imaging of glia activation in people with primary lateral sclerosis. <i>NeuroImage: Clinical</i> , <b>2018</b> , 17, 347-353	5.3	24
23	Perception of social cues of danger in autism spectrum disorders. <i>PLoS ONE</i> , <b>2013</b> , 8, e81206	3.7	24
22	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
21	A pilot trial of RNS60 in amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , <b>2019</b> , 59, 303-308	3.4	19
20	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
19	[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
18	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> , <b>2020</b> , 61, 1621-1627	8.9	15

17	A Protocol for Sedation Free MRI and PET Imaging in Adults with Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , <b>2019</b> , 49, 3036-3044	4.6	13
16	A simultaneous [C]raclopride positron emission tomography and functional magnetic resonance imaging investigation of striatal dopamine binding in autism. <i>Translational Psychiatry</i> , <b>2021</b> , 11, 33	8.6	11
15	Influence of anxiety and alexithymia on brain activations associated with the perception of othersU pain in autism. <i>Social Neuroscience</i> , <b>2019</b> , 14, 359-377	2	10
14	Discriminating grotesque from typical faces: evidence from the Thatcher illusion. <i>PLoS ONE</i> , <b>2011</b> , 6, e23340	3.7	9
13	Pupillary Contagion in Autism. <i>Psychological Science</i> , <b>2019</b> , 30, 309-315	7.9	8
12	In vivo human brain expression of histone deacetylases in bipolar disorder. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 224	8.6	7
11	Tracing the History of the Human Translocator Protein to Recent Neurodegenerative and Psychiatric Imaging. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 2192-2200	5.7	7
10	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> , <b>2019</b> , 60, 443-452	3.4	6
9	Developmental trajectories of neuroanatomical alterations associated with the 16p11.2 Copy Number Variations. <i>NeuroImage</i> , <b>2019</b> , 203, 116155	7.9	6
8	Ibudilast (MN-166) in amyotrophic lateral sclerosis- an open label, safety and pharmacodynamic trial. <i>NeuroImage: Clinical</i> , <b>2021</b> , 30, 102672	5.3	3
7	Comparison of Two Clinical Upper Motor Neuron Burden Rating Scales in ALS Using Quantitative Brain Imaging. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 906-916	5.7	3
6	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
5	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
4	Time Will Tell the Utility of Biomarkers. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 1692-1695	5.7	1
3	Epigenetics of Autism Spectrum Disorder: Histone Deacetylases.. <i>Biological Psychiatry</i> , <b>2021</b> ,	7.9	1
2	Imaging Epigenetics of Prenatal THC. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 1466-1468	5.7	1
1	Reply to KN Litwak and S Levin. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 211-2	7	