

Simon Cervenka

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

4,621
citations

159525

30
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118793

62
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112
all docs

112
docs citations

112
times ranked

7401
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3â€“90â€™years. Human Brain Mapping, 2022, 43, 431-451.	1.9	143
2	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3â€“90â€™years. Human Brain Mapping, 2022, 43, 452-469.	1.9	72
3	A <sc>metaâ€™analysis</sc> of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the <sc>ENIGMA Consortium</sc>. Human Brain Mapping, 2022, 43, 352-372.	1.9	39
4	Thalamic dopamine D2-receptor availability in schizophrenia: a study on antipsychotic-naive patients with first-episode psychosis and a meta-analysis. Molecular Psychiatry, 2022, 27, 1233-1240.	4.1	13
5	Elevated endogenous GDNF induces altered dopamine signalling in mice and correlates with clinical severity in schizophrenia. Molecular Psychiatry, 2022, 27, 3247-3261.	4.1	9
6	Identification of cerebrospinal fluid and serum metabolomic biomarkers in first episode psychosis patients. Translational Psychiatry, 2022, 12, .	2.4	6
7	Application of positron emission tomography in psychiatryâ€™ methodological developments and future directions. Translational Psychiatry, 2022, 12, .	2.4	8
8	No evidence for transmission of psychosis, bipolar or depressive disorder via hematopoietic stem cell transplantation: A <sc>Swedish</sc> registry study. Psychiatry and Clinical Neurosciences, 2022, 76, 526-527.	1.0	0
9	Nondisplaceable Binding Is a Potential Confounding Factor in ¹¹C-PBR28 Translocator Protein PET Studies. Journal of Nuclear Medicine, 2021, 62, 412-417.	2.8	10
10	Meta-analysis of the Glial Marker TSPO in Psychosis Revisited: Reconciling Inconclusive Findings of Patientâ€™Control Differences. Biological Psychiatry, 2021, 89, e5-e8.	0.7	36
11	Low convergent validity of [11C]raclopride binding in extrastriatal brain regions: A PET study of within-subject correlations with [11C]FLB 457. Neurolmage, 2021, 226, 117523.	2.1	11
12	Effects of acute glial cell activation on memory performance â€™ Implications for treatment of cognitive symptoms in neurological and psychiatric disorders. Brain, Behavior, and Immunity, 2021, 93, 8-9.	2.0	0
13	Plasma bilirubin levels are reduced in first-episode psychosis patients and associates to working memory and duration of untreated psychosis. Scientific Reports, 2021, 11, 7527.	1.6	9
14	GRK3 deficiency elicits brain immune activation and psychosis. Molecular Psychiatry, 2021, 26, 6820-6832.	4.1	12
15	Objective and Subjective Sleep in Rheumatoid Arthritis and Severe Seasonal Allergy: Preliminary Assessments of the Role of Sickness, Central and Peripheral Inflammation. Nature and Science of Sleep, 2021, Volume 13, 775-789.	1.4	2
16	No association between cortical dopamine D2 receptor availability and cognition in antipsychotic-naive first-episode psychosis. NPJ Schizophrenia, 2021, 7, 46.	2.0	3
17	Antipsychotic use among persons with schizophrenia in Sweden and Finland, trends and differences. Nordic Journal of Psychiatry, 2021, 75, 315-322.	0.7	15
18	TSPO Imaging in Psychiatric Disorders. , 2021, , 589-606.		0

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19	Screening for pathogenic neuronal autoantibodies in serum and CSF of patients with first-episode psychosis. <i>Translational Psychiatry</i> , 2021, 11, 566.	2.4	19
20	Clinical brain PET research must embrace multi-centre collaboration and data sharing or risk its demise. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 502-504.	3.3	6
21	In response to the letter "œ[11C]raclopride and extrastriatal binding to D2/3 receptors". <i>NeuroImage</i> , 2020, 207, 116371.	2.1	2
22	M7. LOWER THALAMIC DOPAMINE D2-RECEPTOR BINDING IN DRUG-NAIVE PATIENTS WITH PSYCHOSIS "œ" A REPLICATION STUDY USING POSITRON EMISSION TOMOGRAPHY. <i>Schizophrenia Bulletin</i> , 2020, 46, S135-S136.	2.3	0
23	Neuroinflammation in psychiatric disorders: PET imaging and promising new targets. <i>Lancet Psychiatry</i> , 2020, 7, 1064-1074.	3.7	149
24	Brain Age Prediction Reveals Aberrant Brain White Matter in Schizophrenia and Bipolar Disorder: A Multisample Diffusion Tensor Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 1095-1103.	1.1	28
25	The genetic architecture of human brainstem structures and their involvement in common brain disorders. <i>Nature Communications</i> , 2020, 11, 4016.	5.8	26
26	CSF levels of synaptosomal-associated protein 25 and synaptotagmin-1 in first-episode psychosis subjects. <i>IBRO Reports</i> , 2020, 8, 136-142.	0.3	5
27	Dopamine D1 receptor availability is not associated with delusional ideation measures of psychosis proneness. <i>Schizophrenia Research</i> , 2020, 222, 175-184.	1.1	2
28	Synthesis and Preclinical Evaluation of 6- ¹⁸ F-Fluorine-1-methyl-L-tryptophan, a Novel PET Tracer for Measuring Tryptophan Uptake. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1756-1761.	1.7	8
29	Kinfitr "œ" An open-source tool for reproducible PET modelling: validation and evaluation of test-retest reliability. <i>EJNMMI Research</i> , 2020, 10, 77.	1.1	14
30	Reliability of dopamine transporter PET measurements with [18F]FE-PE2I in patients with Parkinson's disease. <i>EJNMMI Research</i> , 2020, 10, 95.	1.1	13
31	<i>Molecular Imaging</i> , 2020, , 145-159.		1
32	Effects of age, BMI and sex on the glial cell marker TSPO "œ" a multicentre [11C]PBR28 HRRT PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2329-2338.	3.3	70
33	Disease activity in rheumatoid arthritis is inversely related to cerebral TSPO binding assessed by [11C]PBR28 positron emission tomography. <i>Journal of Neuroimmunology</i> , 2019, 334, 577000.	1.1	15
34	Validity and reliability of extrastriatal [11C]raclopride binding quantification in the living human brain. <i>NeuroImage</i> , 2019, 202, 116143.	2.1	36
35	Common brain disorders are associated with heritable patterns of apparent aging of the brain. <i>Nature Neuroscience</i> , 2019, 22, 1617-1623.	7.1	358
36	Reproducible grey matter patterns index a multivariate, global alteration of brain structure in schizophrenia and bipolar disorder. <i>Translational Psychiatry</i> , 2019, 9, 12.	2.4	35

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37	Accuracy and reliability of [11C]PBR28 specific binding estimated without the use of a reference region. <i>NeuroImage</i> , 2019, 188, 102-110.	2.1	18
38	D1-Dopamine Receptor Availability in First-Episode Neuroleptic Naive Psychosis Patients. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 415-425.	1.0	25
39	Brain Heterogeneity in Schizophrenia and Its Association With Polygenic Risk. <i>JAMA Psychiatry</i> , 2019, 76, 739.	6.0	195
40	Neurogranin as a potential synaptic marker in the cerebrospinal fluid of patients with a first episode psychosis. <i>Schizophrenia Research</i> , 2019, 208, 490-492.	1.1	5
41	Meta-analytic studies of the glial cell marker TSPO in psychosis – a question of apples and pears?. <i>Psychological Medicine</i> , 2019, 49, 1624-1628.	2.7	10
42	Brain glial activation in fibromyalgia – A multi-site positron emission tomography investigation. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 72-83.	2.0	186
43	Reply to: New Meta- and Mega-analyses of Magnetic Resonance Imaging Findings in Schizophrenia: Do They Really Increase Our Knowledge About the Nature of the Disease Process?. <i>Biological Psychiatry</i> , 2019, 85, e35-e39.	0.7	5
44	Increased peripheral levels of TARC/CCL17 in first episode psychosis patients. <i>Schizophrenia Research</i> , 2019, 210, 221-227.	1.1	8
45	PET radioligands for the dopamine D1-receptor: Application in psychiatric disorders. <i>Neuroscience Letters</i> , 2019, 691, 26-34.	1.0	23
46	Brain neuroreceptor density and personality traits: towards dimensional biomarkers for psychiatric disorders. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20170156.	1.8	24
47	Positron Emission Tomography Studies of the Glial Cell Marker Translocator Protein in Patients With Psychosis: A Meta-analysis Using Individual Participant Data. <i>Biological Psychiatry</i> , 2018, 84, 433-442.	0.7	103
48	Cerebrospinal fluid levels of sphingolipids associate with disease severity in first episode psychosis patients. <i>Schizophrenia Research</i> , 2018, 199, 438-441.	1.1	8
49	CSF GABA is reduced in first-episode psychosis and associates to symptom severity. <i>Molecular Psychiatry</i> , 2018, 23, 1244-1250.	4.1	44
50	Prefrontal cortical thinning links to negative symptoms in schizophrenia via the ENIGMA consortium. <i>Psychological Medicine</i> , 2018, 48, 82-94.	2.7	121
51	Evidence of fatigue, disordered sleep and peripheral inflammation, but not increased brain TSPO expression, in seasonal allergy: A [11C]PBR28 PET study. <i>Brain, Behavior, and Immunity</i> , 2018, 68, 146-157.	2.0	17
52	First-episode psychosis patients display increased plasma IL-18 that correlates with cognitive dysfunction. <i>Schizophrenia Research</i> , 2018, 195, 406-408.	1.1	15
53	[11C]SCH23390 binding to the D1-dopamine receptor in the human brain – a comparison of manual and automated methods for image analysis. <i>EJNMMI Research</i> , 2018, 8, 74.	1.1	9
54	Test-retest reliability and convergent validity of (R)-[11C]PK11195 outcome measures without arterial input function. <i>EJNMMI Research</i> , 2018, 8, 102.	1.1	21

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55	Trait impulsivity is not related to post-commissural putamen volumes: A replication study in healthy men. PLoS ONE, 2018, 13, e0209584.	1.1	7
56	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. Biological Psychiatry, 2018, 84, 644-654.	0.7	627
57	Immune sculpting of the psychotic brain? In vivo associations between a glial cell marker and hippocampal morphology. Brain, Behavior, and Immunity, 2018, 74, 43-44.	2.0	0
58	Increased number of monocytes and plasma levels of MCP-1 and YKL-40 in first-episode psychosis. Acta Psychiatrica Scandinavica, 2018, 138, 432-440.	2.2	20
59	Is dopamine D1 receptor availability related to social behavior? A positron emission tomography replication study. PLoS ONE, 2018, 13, e0193770.	1.1	9
60	Serotonin 5-HT _{1A} receptor binding and self-transcendence in healthy control subjects—a replication study using Bayesian hypothesis testing. PeerJ, 2018, 6, e5790.	0.9	3
61	Lower levels of the glial cell marker TSPO in drug-naïve first-episode psychosis patients as measured using PET and [11C]PBR28. Molecular Psychiatry, 2017, 22, 850-856.	4.1	94
62	The immune response of the human brain to abdominal surgery. Annals of Neurology, 2017, 81, 572-582.	2.8	87
63	Extrastriatal dopamine D2-receptor availability in social anxiety disorder. European Neuropsychopharmacology, 2017, 27, 462-469.	0.3	31
64	Reliability of volumetric and surface-based normalisation and smoothing techniques for PET analysis of the cortex: A test-retest analysis using [11C]SCH-23390. NeuroImage, 2017, 155, 344-353.	2.1	20
65	Naltrexone modulates dopamine release following chronic, but not acute amphetamine administration: a translational study. Translational Psychiatry, 2017, 7, e1104-e1104.	2.4	14
66	Positive symptoms associate with cortical thinning in the superior temporal gyrus via the ENIGMA Schizophrenia consortium. Acta Psychiatrica Scandinavica, 2017, 135, 439-447.	2.2	80
67	In vivo tau PET imaging in dementia: Pathophysiology, radiotracer quantification, and a systematic review of clinical findings. Ageing Research Reviews, 2017, 36, 50-63.	5.0	107
68	Assessment of simplified ratio-based approaches for quantification of PET [11C]PBR28 data. EJNMMI Research, 2017, 7, 58.	1.1	33
69	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. Lecture Notes in Computer Science, 2017, 10541, 371-378.	1.0	4
70	Tryptophan Metabolism Along the Kynurenine Pathway Downstream of Toll-like Receptor Stimulation in Peripheral Monocytes. Scandinavian Journal of Immunology, 2016, 84, 262-271.	1.3	32
71	In vivo evidence of a functional association between immune cells in blood and brain in healthy human subjects. Brain, Behavior, and Immunity, 2016, 54, 149-157.	2.0	48
72	Test-retest reproducibility of [11C]PBR28 binding to TSPO in healthy control subjects. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 173-183.	3.3	106

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73	Contribution of non-genetic factors to dopamine and serotonin receptor availability in the adult human brain. <i>Molecular Psychiatry</i> , 2016, 21, 1077-1084.	4.1	12
74	Diurnal and seasonal variation of the brain serotonin system in healthy male subjects. <i>NeuroImage</i> , 2015, 112, 225-231.	2.1	56
75	<scp>d</scp>-Cycloserine vs Placebo as Adjunct to Cognitive Behavioral Therapy for Obsessive-Compulsive Disorder and Interaction With Antidepressants. <i>JAMA Psychiatry</i> , 2015, 72, 659.	6.0	90
76	Assessing brain immune activation in psychiatric disorders: clinical and preclinical PET imaging studies of the 18-kDa translocator protein. <i>Clinical and Translational Imaging</i> , 2015, 3, 449-460.	1.1	22
77	Meta-analysis of cognitive performance in drug-naïve patients with schizophrenia. <i>Schizophrenia Research</i> , 2014, 158, 156-162.	1.1	209
78	Dopamine D1 receptor availability is related to social behavior: A positron emission tomography study. <i>NeuroImage</i> , 2014, 102, 590-595.	2.1	37
79	Individual differences in the proneness to have flow experiences are linked to dopamine D2-receptor availability in the dorsal striatum. <i>NeuroImage</i> , 2013, 67, 1-6.	2.1	88
80	Effects of amphetamine on the human brain opioid system – a positron emission tomography study. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 763-769.	1.0	22
81	Changes in dopamine D2-receptor binding are associated to symptom reduction after psychotherapy in social anxiety disorder. <i>Translational Psychiatry</i> , 2012, 2, e120-e120.	2.4	58
82	A Comparison of Gray Matter Density in Restless Legs Syndrome Patients and Matched Controls Using Voxel-Based Morphometry. <i>Journal of Neuroimaging</i> , 2012, 22, 28-32.	1.0	35
83	PET studies of D2-receptor binding in striatal and extrastriatal brain regions: Biochemical support in vivo for separate dopaminergic systems in humans. <i>Synapse</i> , 2010, 64, 478-485.	0.6	17
84	Dopamine D2 receptor density in the limbic striatum is related to implicit but not explicit movement sequence learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7574-7579.	3.3	42
85	Association between striatal and extrastriatal dopamine D2-receptor binding and social desirability. <i>NeuroImage</i> , 2010, 50, 323-328.	2.1	44
86	Thinking Outside a Less Intact Box: Thalamic Dopamine D2 Receptor Densities Are Negatively Related to Psychometric Creativity in Healthy Individuals. <i>PLoS ONE</i> , 2010, 5, e10670.	1.1	89
87	Extrastriatal dopamine D2 receptor binding modulates intraindividual variability in episodic recognition and executive functioning. <i>Neuropsychologia</i> , 2009, 47, 2299-2304.	0.7	94
88	Associations between dopamine D2-receptor binding and cognitive performance indicate functional compartmentalization of the human striatum. <i>NeuroImage</i> , 2008, 40, 1287-1295.	2.1	65
89	Age-related diurnal effect on D2 receptor binding: a preliminary PET study. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 671-8.	1.0	12
90	Support for dopaminergic hypoactivity in restless legs syndrome: a PET study on D2-receptor binding. <i>Brain</i> , 2006, 129, 2017-2028.	3.7	224

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91	A cross-validation study on the relationship between central D2 receptor occupancy and serum perphenazine concentration. <i>Psychopharmacology</i> , 2004, 175, 148-153.	1.5	18