

Simon Cervenka

List of Publications by Year in descending order

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91
papers

4,621
citations

159585

30
h-index

118850

62
g-index

112
all docs

112
docs citations

112
times ranked

7401
citing authors

#	ARTICLE	IF	CITATIONS
1	Cortical Brain Abnormalities in 4474 Individuals With Schizophrenia and 5098 Control Subjects via the Enhancing Neuro Imaging Genetics Through Meta Analysis (ENIGMA) Consortium. <i>Biological Psychiatry</i> , 2018, 84, 644-654.	1.3	627
2	Common brain disorders are associated with heritable patterns of apparent aging of the brain. <i>Nature Neuroscience</i> , 2019, 22, 1617-1623.	14.8	358
3	Support for dopaminergic hypoactivity in restless legs syndrome: a PET study on D2-receptor binding. <i>Brain</i> , 2006, 129, 2017-2028.	7.6	224
4	Meta-analysis of cognitive performance in drug-naïve patients with schizophrenia. <i>Schizophrenia Research</i> , 2014, 158, 156-162.	2.0	209
5	Brain Heterogeneity in Schizophrenia and Its Association With Polygenic Risk. <i>JAMA Psychiatry</i> , 2019, 76, 739.	11.0	195
6	Brain glial activation in fibromyalgia – A multi-site positron emission tomography investigation. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 72-83.	4.1	186
7	Neuroinflammation in psychiatric disorders: PET imaging and promising new targets. <i>Lancet Psychiatry</i> , 2020, 7, 1064-1074.	7.4	149
8	Cortical thickness across the lifespan: Data from 17,075 healthy individuals aged 3–90 years. <i>Human Brain Mapping</i> , 2022, 43, 431-451.	3.6	143
9	Prefrontal cortical thinning links to negative symptoms in schizophrenia via the ENIGMA consortium. <i>Psychological Medicine</i> , 2018, 48, 82-94.	4.5	121
10	In vivo tau PET imaging in dementia: Pathophysiology, radiotracer quantification, and a systematic review of clinical findings. <i>Ageing Research Reviews</i> , 2017, 36, 50-63.	10.9	107
11	Test-retest reproducibility of [11C]PBR28 binding to TSPO in healthy control subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 173-183.	6.4	106
12	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.	1.3	103
13	Extrastriatal dopamine D2 receptor binding modulates intraindividual variability in episodic recognition and executive functioning. <i>Neuropsychologia</i> , 2009, 47, 2299-2304.	1.6	94
14	Lower levels of the glial cell marker TSPO in drug-naive first-episode psychosis patients as measured using PET and [11C]PBR28. <i>Molecular Psychiatry</i> , 2017, 22, 850-856.	7.9	94
15	D-Cycloserine vs Placebo as Adjunct to Cognitive Behavioral Therapy for Obsessive-Compulsive Disorder and Interaction With Antidepressants. <i>JAMA Psychiatry</i> , 2015, 72, 659.	11.0	90
16	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.	2.5	89
17	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.	4.2	88
18	The immune response of the human brain to abdominal surgery. <i>Annals of Neurology</i> , 2017, 81, 572-582.	5.3	87

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19	Positive symptoms associate with cortical thinning in the superior temporal gyrus via the ENIGMA Schizophrenia consortium. <i>Acta Psychiatrica Scandinavica</i> , 2017, 135, 439-447.	4.5	80
20	Subcortical volumes across the lifespan: Data from 18,605 healthy individuals aged 3â€“90â€™years. <i>Human Brain Mapping</i> , 2022, 43, 452-469.	3.6	72
21	Effects of age, BMI and sex on the glial cell marker TSPO â€” a multicentre [11C]PBR28 HRRT PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2329-2338.	6.4	70
22	Associations between dopamine D2-receptor binding and cognitive performance indicate functional compartmentalization of the human striatum. <i>NeuroImage</i> , 2008, 40, 1287-1295.	4.2	65
23	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.	4.8	58
24	Diurnal and seasonal variation of the brain serotonin system in healthy male subjects. <i>NeuroImage</i> , 2015, 112, 225-231.	4.2	56
25	In vivo evidence of a functional association between immune cells in blood and brain in healthy human subjects. <i>Brain, Behavior, and Immunity</i> , 2016, 54, 149-157.	4.1	48
26	Association between striatal and extrastriatal dopamine D2-receptor binding and social desirability. <i>NeuroImage</i> , 2010, 50, 323-328.	4.2	44
27	CSF GABA is reduced in first-episode psychosis and associates to symptom severity. <i>Molecular Psychiatry</i> , 2018, 23, 1244-1250.	7.9	44
28	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.	7.1	42
29	A meta-analysis of deep brain structural shape and asymmetry abnormalities in 2,833 individuals with schizophrenia compared with 3,929 healthy volunteers via the ENIGMA Consortium. <i>Human Brain Mapping</i> , 2022, 43, 352-372.	3.6	39
30	Dopamine D1 receptor availability is related to social behavior: A positron emission tomography study. <i>NeuroImage</i> , 2014, 102, 590-595.	4.2	37
31	Validity and reliability of extrastriatal [11C]raclopride binding quantification in the living human brain. <i>NeuroImage</i> , 2019, 202, 116143.	4.2	36
32	Meta-analysis of the Glial Marker TSPO in Psychosis Revisited: Reconciling Inconclusive Findings of Patientâ€“Control Differences. <i>Biological Psychiatry</i> , 2021, 89, e5-e8.	1.3	36
33	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.	2.0	35
34	Reproducible grey matter patterns index a multivariate, global alteration of brain structure in schizophrenia and bipolar disorder. <i>Translational Psychiatry</i> , 2019, 9, 12.	4.8	35
35	Assessment of simplified ratio-based approaches for quantification of PET [11C]PBR28 data. <i>EJNMMI Research</i> , 2017, 7, 58.	2.5	33
36	Tryptophan Metabolism Along the Kynurenine Pathway Downstream of Tollâ€“like Receptor Stimulation in Peripheral Monocytes. <i>Scandinavian Journal of Immunology</i> , 2016, 84, 262-271.	2.7	32

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37	Extrastriatal dopamine D2-receptor availability in social anxiety disorder. <i>European Neuropsychopharmacology</i> , 2017, 27, 462-469.	0.7	31
38	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.	1.5	28
39	The genetic architecture of human brainstem structures and their involvement in common brain disorders. <i>Nature Communications</i> , 2020, 11, 4016.	12.8	26
40	D1-Dopamine Receptor Availability in First-Episode Neuroleptic Naive Psychosis Patients. <i>International Journal of Neuropsychopharmacology</i> , 2019, 22, 415-425.	2.1	25
41	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.	4.0	24
42	PET radioligands for the dopamine D1-receptor: Application in psychiatric disorders. <i>Neuroscience Letters</i> , 2019, 691, 26-34.	2.1	23
43	Effects of amphetamine on the human brain opioid system – a positron emission tomography study. <i>International Journal of Neuropsychopharmacology</i> , 2013, 16, 763-769.	2.1	22
44	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.	2.1	22
45	Test-retest reliability and convergent validity of (R)-[11C]PK11195 outcome measures without arterial input function. <i>EJNMMI Research</i> , 2018, 8, 102.	2.5	21
46	Reliability of volumetric and surface-based normalisation and smoothing techniques for PET analysis of the cortex: A test-retest analysis using [11C]SCH-23390. <i>NeuroImage</i> , 2017, 155, 344-353.	4.2	20
47	Increased number of monocytes and plasma levels of MCP-1 and YKL-40 in first-episode psychosis. <i>Acta Psychiatrica Scandinavica</i> , 2018, 138, 432-440.	4.5	20
48	Screening for pathogenic neuronal autoantibodies in serum and CSF of patients with first-episode psychosis. <i>Translational Psychiatry</i> , 2021, 11, 566.	4.8	19
49	A cross-validation study on the relationship between central D2 receptor occupancy and serum perphenazine concentration. <i>Psychopharmacology</i> , 2004, 175, 148-153.	3.1	18
50	Accuracy and reliability of [11C]PBR28 specific binding estimated without the use of a reference region. <i>NeuroImage</i> , 2019, 188, 102-110.	4.2	18
51	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.	1.2	17
52	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.	4.1	17
53	First-episode psychosis patients display increased plasma IL-18 that correlates with cognitive dysfunction. <i>Schizophrenia Research</i> , 2018, 195, 406-408.	2.0	15
54	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.	2.3	15

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55	Antipsychotic use among persons with schizophrenia in Sweden and Finland, trends and differences. <i>Nordic Journal of Psychiatry</i> , 2021, 75, 315-322.	1.3	15
56	Naltrexone modulates dopamine release following chronic, but not acute amphetamine administration: a translational study. <i>Translational Psychiatry</i> , 2017, 7, e1104-e1104.	4.8	14
57	Kinfitr – An open-source tool for reproducible PET modelling: validation and evaluation of test-retest reliability. <i>EJNMMI Research</i> , 2020, 10, 77.	2.5	14
58	Reliability of dopamine transporter PET measurements with [18F]FE-PE2I in patients with Parkinson’s disease. <i>EJNMMI Research</i> , 2020, 10, 95.	2.5	13
59	Thalamic dopamine D2-receptor availability in schizophrenia: a study on antipsychotic-naïve patients with first-episode psychosis and a meta-analysis. <i>Molecular Psychiatry</i> , 2022, 27, 1233-1240.	7.9	13
60	Age-related diurnal effect on D2 receptor binding: a preliminary PET study. <i>International Journal of Neuropsychopharmacology</i> , 2008, 11, 671-8.	2.1	12
61	Contribution of non-genetic factors to dopamine and serotonin receptor availability in the adult human brain. <i>Molecular Psychiatry</i> , 2016, 21, 1077-1084.	7.9	12
62	GRK3 deficiency elicits brain immune activation and psychosis. <i>Molecular Psychiatry</i> , 2021, 26, 6820-6832.	7.9	12
63	Low convergent validity of [11C]raclopride binding in extrastriatal brain regions: A PET study of within-subject correlations with [11C]FLB 457. <i>NeuroImage</i> , 2021, 226, 117523.	4.2	11
64	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.	4.5	10
65	Nondisplaceable Binding Is a Potential Confounding Factor in ¹¹ C-PBR28 Translocator Protein PET Studies. <i>Journal of Nuclear Medicine</i> , 2021, 62, 412-417.	5.0	10
66	[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.	2.5	9
67	Plasma bilirubin levels are reduced in first-episode psychosis patients and associates to working memory and duration of untreated psychosis. <i>Scientific Reports</i> , 2021, 11, 7527.	3.3	9
68	Is dopamine D1 receptor availability related to social behavior? A positron emission tomography replication study. <i>PLoS ONE</i> , 2018, 13, e0193770.	2.5	9
69	Elevated endogenous GDNF induces altered dopamine signalling in mice and correlates with clinical severity in schizophrenia. <i>Molecular Psychiatry</i> , 2022, 27, 3247-3261.	7.9	9
70	Cerebrospinal fluid levels of sphingolipids associate with disease severity in first episode psychosis patients. <i>Schizophrenia Research</i> , 2018, 199, 438-441.	2.0	8
71	Increased peripheral levels of TARC/CCL17 in first episode psychosis patients. <i>Schizophrenia Research</i> , 2019, 210, 221-227.	2.0	8
72	Synthesis and Preclinical Evaluation of 6- ¹⁸ F-Fluorine-1-methyl-tryptophan, a Novel PET Tracer for Measuring Tryptophan Uptake. <i>ACS Chemical Neuroscience</i> , 2020, 11, 1756-1761.	3.5	8

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73	Application of positron emission tomography in psychiatry—methodological developments and future directions. <i>Translational Psychiatry</i> , 2022, 12, .	4.8	8
74	Trait impulsivity is not related to post-commissural putamen volumes: A replication study in healthy men. <i>PLoS ONE</i> , 2018, 13, e0209584.	2.5	7
75	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.	6.4	6
76	Identification of cerebrospinal fluid and serum metabolomic biomarkers in first episode psychosis patients. <i>Translational Psychiatry</i> , 2022, 12, .	4.8	6
77	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.	2.0	5
78	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.	1.3	5
79	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
80	Machine Learning for Large-Scale Quality Control of 3D Shape Models in Neuroimaging. <i>Lecture Notes in Computer Science</i> , 2017, 10541, 371-378.	1.3	4
81	No association between cortical dopamine D2 receptor availability and cognition in antipsychotic-naïve first-episode psychosis. <i>NPJ Schizophrenia</i> , 2021, 7, 46.	3.6	3
82	Serotonin 5-HT _{1A} receptor binding and self-transcendence in healthy control subjects—a replication study using Bayesian hypothesis testing. <i>PeerJ</i> , 2018, 6, e5790.	2.0	3
83	In response to the letter “ ¹¹ C]raclopride and extrastriatal binding to D2/3 receptors”. <i>NeuroImage</i> , 2020, 207, 116371.	4.2	2
84	Dopamine D1 receptor availability is not associated with delusional ideation measures of psychosis proneness. <i>Schizophrenia Research</i> , 2020, 222, 175-184.	2.0	2
85	Objective and Subjective Sleep in Rheumatoid Arthritis and Severe Seasonal Allergy: Preliminary Assessments of the Role of Sickness, Central and Peripheral Inflammation. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 775-789.	2.7	2
86	<i>Molecular Imaging</i> . , 2020, , 145-159.		1
87	Immune sculpting of the psychotic brain? In vivo associations between a glial cell marker and hippocampal morphology. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 43-44.	4.1	0
88	M7. LOWER THALAMIC DOPAMINE D2-RECEPTOR BINDING IN DRUG-NAIVE PATIENTS WITH PSYCHOSIS — A REPLICATION STUDY USING POSITRON EMISSION TOMOGRAPHY. <i>Schizophrenia Bulletin</i> , 2020, 46, S135-S136.	4.3	0
89	Effects of acute glial cell activation on memory performance — Implications for treatment of cognitive symptoms in neurological and psychiatric disorders. <i>Brain, Behavior, and Immunity</i> , 2021, 93, 8-9.	4.1	0
90	TSPO Imaging in Psychiatric Disorders. , 2021, , 589-606.		0

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91	No evidence for transmission of psychosis, bipolar or depressive disorder via hematopoietic stem cell transplantation: A <sc>Swedish</sc> registry study. <i>Psychiatry and Clinical Neurosciences</i> , 2022, 76, 526-527.	1.8	0