Thomas Vanicek

List of Publications by Year
in descending order

58 papers	1,521 citations	304743 22 h-index	377865 34 g-index
77 all docs	77 docs citations	77 times ranked	2190 citing authors

#	Article	IF	Citations
1	Escitalopram modulates learning content-specific neuroplasticity of functional brain networks. NeuroImage, 2022, 247, 118829.	4.2	13
2	Intravenous esketamine leads to an increase in impulsive and suicidal behaviour in a patient with recurrent major depression and borderline personality disorder. World Journal of Biological Psychiatry, 2022, 23, 715-718.	2.6	6
3	Escitalopram administration, relearning, and neuroplastic effects: A diffusion tensor imaging study in healthy individuals. Journal of Affective Disorders, 2022, 301, 426-432.	4.1	3
4	Serotonergic modulation of effective connectivity in an associative relearning network during task and rest. NeuroImage, 2022, 249, 118887.	4.2	9
5	Association of norepinephrine transporter methylation with in vivo NET expression and hyperactivity–impulsivity symptoms in ADHD measured with PET. Molecular Psychiatry, 2021, 26, 1009-1018.	7.9	23
6	Detached empathic experience of others' pain in remitted states of depression – An fMRI study. NeuroImage: Clinical, 2021, 31, 102699.	2.7	4
7	The Influence of Acute SSRI Administration on White Matter Microstructure in Patients Suffering From Major Depressive Disorder and Healthy Controls. International Journal of Neuropsychopharmacology, 2021, 24, 542-550.	2.1	15
8	Effects of SSRI treatment on GABA and glutamate levels in an associative relearning paradigm. NeuroImage, 2021, 232, 117913.	4.2	20
9	How to prevent and manage hyperammonemic encephalopathies in valproate therapy. Journal of Affective Disorders Reports, 2021, 5, 100186.	1.7	3
10	Neuroplastic effects of a selective serotonin reuptake inhibitor in relearning and retrieval. NeuroImage, 2021, 236, 118039.	4.2	16
11	Comparison and Reliability of Hippocampal Subfield Segmentations Within FreeSurfer Utilizing T1- and T2-Weighted Multispectral MRI Data. Frontiers in Neuroscience, 2021, 15, 666000.	2.8	14
12	Hippocampal GABA levels correlate with retrieval performance in an associative learning paradigm. NeuroImage, 2020, 204, 116244.	4.2	33
13	Changes in White Matter Microstructure After Electroconvulsive Therapy for Treatment-Resistant Depression. International Journal of Neuropsychopharmacology, 2020, 23, 20-25.	2.1	16
14	Predicting Antidepressant Citalopram Treatment Response via Changes in Brain Functional Connectivity After Acute Intravenous Challenge. Frontiers in Computational Neuroscience, 2020, 14, 554186.	2.1	11
15	Machine learning classification of ADHD and HC by multimodal serotonergic data. Translational Psychiatry, 2020, 10, 104.	4.8	39
16	Reconfiguration of functional brain networks and metabolic cost converge during task performance. ELife, 2020, 9, .	6.0	49
17	Association between dynamic resting-state functional connectivity and ketamine plasma levels in visual processing networks. Scientific Reports, 2019, 9, 11484.	3.3	13
18	Repetitive enhancement of serum BDNF subsequent to continuation ECT. Acta Psychiatrica Scandinavica, 2019, 140, 426-434.	4.5	19

#	ARTICLE	IF	CITATIONS
19	Serotonin Transporter Binding in the Human Brain After Pharmacological Challenge Measured Using PET and PET/MR. Frontiers in Molecular Neuroscience, 2019, 12, 172.	2.9	6
20	Epistasis of HTR1A and BDNF risk genes alters cortical 5-HT1A receptor binding: PET results link genotype to molecular phenotype in depression. Translational Psychiatry, 2019, 9, 5.	4.8	7
21	Antidepressant treatment, not depression, leads to reductions in behavioral and neural responses to pain empathy. Translational Psychiatry, 2019, 9, 164.	4.8	17
22	Hippocampal Subfields in Acute and Remitted Depression—an Ultra-High Field Magnetic Resonance Imaging Study. International Journal of Neuropsychopharmacology, 2019, 22, 513-522.	2.1	22
23	Modeling the acute pharmacological response to selective serotonin reuptake inhibitors in human brain using simultaneous PET/MR imaging. European Neuropsychopharmacology, 2019, 29, 711-719.	0.7	11
24	Acute and subsequent continuation electroconvulsive therapy elevates serum BDNF levels in patients with major depression. Brain Stimulation, 2019, 12, 1041-1050.	1.6	30
25	Automated ROI-Based Labeling for Multi-Voxel Magnetic Resonance Spectroscopy Data Using FreeSurfer. Frontiers in Molecular Neuroscience, 2019, 12, 28.	2.9	20
26	Structural changes in amygdala nuclei, hippocampal subfields and cortical thickness following electroconvulsive therapy in treatment-resistant depression: longitudinal analysis. British Journal of Psychiatry, 2019, 214, 159-167.	2.8	71
27	The effect of electroconvulsive therapy on cerebral monoamine oxidase A expression in treatment-resistant depression investigated using positron emission tomography. Brain Stimulation, 2019, 12, 714-723.	1.6	24
28	Parcellation of the Human Cerebral Cortex Based on Molecular Targets in the Serotonin System Quantified by Positron Emission Tomography In vivo. Cerebral Cortex, 2019, 29, 372-382.	2.9	12
29	The pulvinar nucleus and antidepressant treatment: dynamic modeling of antidepressant response and remission with ultra-high field functional MRI. Molecular Psychiatry, 2019, 24, 746-756.	7.9	23
30	Task-relevant brain networks identified with simultaneous PET/MR imaging of metabolism and connectivity. Brain Structure and Function, 2018, 223, 1369-1378.	2.3	34
31	DiGeorge syndrome. Wiener Klinische Wochenschrift, 2018, 130, 283-287.	1.9	16
32	Unsmoothed functional MRI of the human amygdala and bed nucleus of the stria terminalis during processing of emotional faces. NeuroImage, 2018, 168, 383-391.	4.2	34
33	Brain monoamine oxidase A in seasonal affective disorder and treatment with bright light therapy. Translational Psychiatry, 2018, 8, 198.	4.8	22
34	Reduced task durations in functional PET imaging with [18F]FDG approaching that of functional MRI. NeuroImage, 2018, 181, 323-330.	4.2	59
35	Refining Prediction in Treatment-Resistant Depression. Journal of Clinical Psychiatry, 2018, 79, 16m11385.	2.2	76
36	Administration of ketamine for unipolar and bipolar depression. International Journal of Psychiatry in Clinical Practice, 2017, 21, 2-12.	2.4	84

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37	Simple and rapid quantification of serotonin transporter binding using [11C]DASB bolus plus constant infusion. NeuroImage, 2017, 149, 23-32.	4.2	19
38	Association of Protein Distribution and Gene Expression Revealed by PET and Post-Mortem Quantification in the Serotonergic System of the Human Brain. Cerebral Cortex, 2017, 27, 117-130.	2.9	30
39	The influence of the rs6295 gene polymorphism on serotonin-1A receptor distribution investigated with PET in patients with major depression applying machine learning. Translational Psychiatry, 2017, 7, e1150-e1150.	4.8	22
40	Norepinephrine transporter gene and protein expression of the human brain investigated with postmortem data and PET. European Neuropsychopharmacology, 2017, 27, S73-S74.	0.7	0
41	Imaging the neuroplastic effects of ketamine with VBM and the necessity of placebo control. NeuroImage, 2017, 147, 198-203.	4.2	22
42	Altered interregional molecular associations of the serotonin transporter in attention deficit/hyperactivity disorder assessed with PET. Human Brain Mapping, 2017, 38, 792-802.	3.6	21
43	Ketamine-dependent neuronal activation in healthy volunteers. Brain Structure and Function, 2017, 222, 1533-1542.	2.3	36
44	Reduced gray matter in subcortical brain regions in MDD: preliminary results of an ultra-high field 7 Tesla MRI Study. European Neuropsychopharmacology, 2017, 27, S719-S720.	0.7	0
45	Effects of Selective Serotonin Reuptake Inhibitors on Interregional Relation of Serotonin Transporter Availability in Major Depression. Frontiers in Human Neuroscience, 2017, 11, 48.	2.0	50
46	A New Prediction Model for Evaluating Treatment-Resistant Depression. Journal of Clinical Psychiatry, 2017, 78, 215-222.	2.2	73
47	Quantification of Task-Specific Glucose Metabolism with Constant Infusion of ^{18}F-FDG. Journal of Nuclear Medicine, 2016, 57, 1933-1940.	5.0	64
48	Insights into Intrinsic Brain Networks based on Graph Theory and PET in right- compared to left-sided Temporal Lobe Epilepsy. Scientific Reports, 2016, 6, 28513.	3.3	24
49	Testosterone affects language areas of the adult human brain. Human Brain Mapping, 2016, 37, 1738-1748.	3.6	47
50	[18F]FMeNER-D2: A systematic in vitro analysis of radio-metabolism. Nuclear Medicine and Biology, 2016, 43, 490-495.	0.6	6
51	Effects of norepinephrine transporter gene variants on NET binding in ADHD and healthy controls investigated by PET. Human Brain Mapping, 2016, 37, 884-895.	3.6	37
52	Ketamine-Induced Modulation of the Thalamo-Cortical Network in Healthy Volunteers As a Model for Schizophrenia. International Journal of Neuropsychopharmacology, 2015, 18, pyv040.	2.1	93
53	Comparison of continuously acquired resting state and extracted analogues from active tasks. Human Brain Mapping, 2015, 36, 4053-4063.	3.6	26
54	P.1.i.037 Effects of norepinephrine transporter gene variants on protein binding in patients with ADHD using PET. European Neuropsychopharmacology, 2015, 25, S321-S322.	0.7	0

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55	The Norepinephrine Transporter in Attention-Deficit/Hyperactivity Disorder Investigated With Positron Emission Tomography. JAMA Psychiatry, 2014, 71, 1340.	11.0	44
56	Cerebral serotonin transporter asymmetry in females, males and male-to-female transsexuals measured by PET in vivo. Brain Structure and Function, 2014, 219, 171-183.	2.3	28
57	P.1.i.027 The influence of cross-sex hormone therapy on motor inhibition measured with the stop signal task and 7Tesla fMRI. European Neuropsychopharmacology, 2013, 23, S279.	0.7	0
58	P.1.e.008 Molecular connectivity in patients with unilateral temporal lobe epilepsy investigated with [18F]FDG PET. European Neuropsychopharmacology, 2012, 22, S196.	0.7	0