

Anthony C Vernon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1103267/publications.pdf>

Version: 2024-02-01

73
papers

2,510
citations

218677

26
h-index

223800

46
g-index

86
all docs

86
docs citations

86
times ranked

3926
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain microglia in psychiatric disorders. <i>Lancet Psychiatry</i> , 2017, 4, 563-572.	7.4	208
2	Effect of Chronic Antipsychotic Treatment on Brain Structure: A Serial Magnetic Resonance Imaging Study with Ex Vivo and Postmortem Confirmation. <i>Biological Psychiatry</i> , 2011, 69, 936-944.	1.3	166
3	Synaptic density marker SV2A is reduced in schizophrenia patients and unaffected by antipsychotics in rats. <i>Nature Communications</i> , 2020, 11, 246.	12.8	148
4	Schizophrenia and Influenza at the Centenary of the 1918-1919 Spanish Influenza Pandemic: Mechanisms of Psychosis Risk. <i>Frontiers in Psychiatry</i> , 2020, 11, 72.	2.6	138
5	Non-invasive evaluation of nigrostriatal neuropathology in a proteasome inhibitor rodent model of Parkinson's disease. <i>BMC Neuroscience</i> , 2010, 11, 1.	1.9	137
6	Contrasting Effects of Haloperidol and Lithium on Rodent Brain Structure: A Magnetic Resonance Imaging Study with Postmortem Confirmation. <i>Biological Psychiatry</i> , 2012, 71, 855-863.	1.3	113
7	Reduced Cortical Volume and Elevated Astrocyte Density in Rats Chronically Treated With Antipsychotic Drugs—Linking Magnetic Resonance Imaging Findings to Cellular Pathology. <i>Biological Psychiatry</i> , 2014, 75, 982-990.	1.3	85
8	Behavioral, neuroanatomical, and molecular correlates of resilience and susceptibility to maternal immune activation. <i>Molecular Psychiatry</i> , 2021, 26, 396-410.	7.9	80
9	Microglial activation in the rat brain following chronic antipsychotic treatment at clinically relevant doses. <i>European Neuropsychopharmacology</i> , 2015, 25, 2098-2107.	0.7	77
10	Neuroprotective effects of metabotropic glutamate receptor ligands in a 6-hydroxydopamine rodent model of Parkinson's disease. <i>European Journal of Neuroscience</i> , 2005, 22, 1799-1806.	2.6	71
11	Evolution of a maternal immune activation (mIA) model in rats: Early developmental effects. <i>Brain, Behavior, and Immunity</i> , 2019, 75, 48-59.	4.1	66
12	Evolution of structural abnormalities in the rat brain following in utero exposure to maternal immune activation: A longitudinal in vivo MRI study. <i>Brain, Behavior, and Immunity</i> , 2017, 63, 50-59.	4.1	64
13	Dopamine, the antipsychotic molecule: A perspective on mechanisms underlying antipsychotic response variability. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 85, 146-159.	6.1	63
14	Interferon- β signaling in human iPSC-derived neurons recapitulates neurodevelopmental disorder phenotypes. <i>Science Advances</i> , 2020, 6, eaay9506.	10.3	56
15	Whole-brain ex-vivo quantitative MRI of the cuprizone mouse model. <i>PeerJ</i> , 2016, 4, e2632.	2.0	53
16	Subtype selective antagonism of substantia nigra pars compacta Group I metabotropic glutamate receptors protects the nigrostriatal system against 6-hydroxydopamine toxicity <i>in vivo</i> . <i>Journal of Neurochemistry</i> , 2007, 103, 1075-1091.	3.9	49
17	The brain's code and its canonical computational motifs. From sensory cortex to the default mode network: A multi-scale model of brain function in health and disease. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 55, 211-222.	6.1	48
18	Neurorestoration induced by the HDAC inhibitor sodium valproate in the lactacystin model of Parkinson's is associated with histone acetylation and up-regulation of neurotrophic factors. <i>British Journal of Pharmacology</i> , 2015, 172, 4200-4215.	5.4	46

#	ARTICLE	IF	CITATIONS
19	Evolution of Extra-Nigral Damage Predicts Behavioural Deficits in a Rat Proteasome Inhibitor Model of Parkinson's Disease. <i>PLoS ONE</i> , 2011, 6, e17269.	2.5	44
20	The Psychiatric Risk Gene NT5C2 Regulates Adenosine Monophosphate-Activated Protein Kinase Signaling and Protein Translation in Human Neural Progenitor Cells. <i>Biological Psychiatry</i> , 2019, 86, 120-130.	1.3	42
21	Neuroimaging for Lewy body disease: Is the in vivo molecular imaging of α -synuclein neuropathology required and feasible?. <i>Brain Research Reviews</i> , 2010, 65, 28-55.	9.0	39
22	From early adversities to immune activation in psychiatric disorders: the role of the sympathetic nervous system. <i>Clinical and Experimental Immunology</i> , 2019, 197, 319-328.	2.6	34
23	Selective Activation of Group III Metabotropic Glutamate Receptors by l-(+)-2-Amino-4-phosphonobutyric Acid Protects the Nigrostriatal System against 6-Hydroxydopamine Toxicity in Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 397-409.	2.5	32
24	Longitudinal in vivo maturational changes of metabolites in the prefrontal cortex of rats exposed to polyinosinic-polycytidylic acid in utero. <i>European Neuropsychopharmacology</i> , 2015, 25, 2210-2220.	0.7	32
25	Neuroadaptations to antipsychotic drugs: Insights from pre-clinical and human post-mortem studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 317-335.	6.1	31
26	Planar Airy beam light-sheet for two-photon microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 3927.	2.9	31
27	Simultaneous effects on parvalbumin-positive interneuron and dopaminergic system development in a transgenic rat model for sporadic schizophrenia. <i>Scientific Reports</i> , 2016, 6, 34946.	3.3	27
28	An investigation of regional cerebral blood flow and tissue structure changes after acute administration of antipsychotics in healthy male volunteers. <i>Human Brain Mapping</i> , 2018, 39, 319-331.	3.6	27
29	The relationship between synaptic density marker SV2A, glutamate and N-acetyl aspartate levels in healthy volunteers and schizophrenia: a multimodal PET and magnetic resonance spectroscopy brain imaging study. <i>Translational Psychiatry</i> , 2021, 11, 393.	4.8	27
30	Effects of Antipsychotic Drugs: Cross Talk Between the Nervous and Innate Immune System. <i>CNS Drugs</i> , 2020, 34, 1229-1251.	5.9	26
31	Haloperidol and olanzapine mediate metabolic abnormalities through different molecular pathways. <i>Translational Psychiatry</i> , 2013, 3, e208-e208.	4.8	24
32	Systemic α -synuclein injection triggers selective neuronal pathology as seen in patients with Parkinson's disease. <i>Molecular Psychiatry</i> , 2021, 26, 556-567.	7.9	24
33	Brain Morphometry and the Neurobiology of Levodopa-Induced Dyskinesias: Current Knowledge and Future Potential for Translational Pre-Clinical Neuroimaging Studies. <i>Frontiers in Neurology</i> , 2014, 5, 95.	2.4	23
34	Preclinical animal models of mental illnesses to translate findings from the bench to the bedside: Molecular brain mechanisms and peripheral biomarkers associated to early life stress or immune challenges. <i>European Neuropsychopharmacology</i> , 2022, 58, 55-79.	0.7	22
35	Additive neuroprotection by metabotropic glutamate receptor subtype-selective ligands in a rat Parkinson's model. <i>NeuroReport</i> , 2008, 19, 475-478.	1.2	21
36	Maternal immune activation primes deficiencies in adult hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 410-422.	4.1	20

#	ARTICLE	IF	CITATIONS
37	Neuroprotection and Functional Recovery Associated with Decreased Microglial Activation Following Selective Activation of mGluR2/3 Receptors in a Rodent Model of Parkinson's Disease. <i>Parkinson's Disease</i> , 2010, 2010, 1-12.	1.1	19
38	Normalizing the Abnormal: Do Antipsychotic Drugs Push the Cortex Into an Unsustainable Metabolic Envelope?. <i>Schizophrenia Bulletin</i> , 2020, 46, 484-495.	4.3	17
39	Viewpoint European COVID-19 exit strategy for people with severe mental disorders: Too little, but not yet too late. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 15-17.	4.1	17
40	Do levodopa treatments modify the morphology of the parkinsonian brain?. <i>Movement Disorders</i> , 2012, 27, 166-167.	3.9	16
41	Registration of challenging pre-clinical brain images. <i>Journal of Neuroscience Methods</i> , 2013, 216, 62-77.	2.5	16
42	Striatal Volume Increase After Six Weeks of Selective Dopamine D2/3 Receptor Blockade in First-Episode, Antipsychotic-Naïve Schizophrenia Patients. <i>Frontiers in Neuroscience</i> , 2020, 14, 484.	2.8	15
43	Chronic exposure to haloperidol and olanzapine leads to common and divergent shape changes in the rat hippocampus in the absence of grey-matter volume loss. <i>Psychological Medicine</i> , 2016, 46, 3081-3093.	4.5	14
44	Emerging Developments in Human Induced Pluripotent Stem Cell-Derived Microglia: Implications for Modelling Psychiatric Disorders With a Neurodevelopmental Origin. <i>Frontiers in Psychiatry</i> , 2020, 11, 789.	2.6	14
45	Application of Airy beam light sheet microscopy to examine early neurodevelopmental structures in 3D hiPSC-derived human cortical spheroids. <i>Molecular Autism</i> , 2021, 12, 4.	4.9	14
46	Selective activation of metabotropic glutamate receptor 7 induces inhibition of cellular proliferation and promotes astrocyte differentiation of ventral mesencephalon human neural stem/progenitor cells. <i>Neurochemistry International</i> , 2011, 59, 421-431.	3.8	12
47	Effects of chronic antipsychotic drug exposure on the expression of Translocator Protein and inflammatory markers in rat adipose tissue. <i>Psychoneuroendocrinology</i> , 2018, 95, 28-33.	2.7	12
48	Global brain volume reductions in a sub-chronic phencyclidine animal model for schizophrenia and their relationship to recognition memory. <i>Journal of Psychopharmacology</i> , 2019, 33, 1274-1287.	4.0	12
49	Region-specific and dose-specific effects of chronic haloperidol exposure on [3H]-flumazenil and [3H]-Ro15-4513 GABAA receptor binding sites in the rat brain. <i>European Neuropsychopharmacology</i> , 2020, 41, 106-117.	0.7	12
50	Sexually dimorphic neuroanatomical differences relate to ASD-relevant behavioral outcomes in a maternal autoantibody mouse model. <i>Molecular Psychiatry</i> , 2021, 26, 7530-7537.	7.9	12
51	MRI-guided histology of TDP-43 knock-in mice implicates parvalbumin interneuron loss, impaired neurogenesis and aberrant neurodevelopment in amyotrophic lateral sclerosis-frontotemporal dementia. <i>Brain Communications</i> , 2021, 3, fcb114.	3.3	11
52	Neuroanatomical and Microglial Alterations in the Striatum of Levodopa-Treated, Dyskinetic Hemi-Parkinsonian Rats. <i>Frontiers in Neuroscience</i> , 2020, 14, 567222.	2.8	10
53	Effects of chronic exposure to haloperidol, olanzapine or lithium on SV2A and NLGN synaptic puncta in the rat frontal cortex. <i>Behavioural Brain Research</i> , 2021, 405, 113203.	2.2	10
54	Characterization of gray matter atrophy following 6-hydroxydopamine lesion of the nigrostriatal system. <i>Neuroscience</i> , 2016, 334, 166-179.	2.3	9

#	ARTICLE	IF	CITATIONS
55	Magnetic resonance imaging and tensor-based morphometry in the MPTP non-human primate model of Parkinson's disease. <i>PLoS ONE</i> , 2017, 12, e0180733.	2.5	9
56	Characterization of the resting-state brain network topology in the 6-hydroxydopamine rat model of Parkinson's disease. <i>PLoS ONE</i> , 2017, 12, e0172394.	2.5	8
57	Inhibition of Maternal-to-Fetal Transfer of IgG Antibodies by FcRn Blockade in a Mouse Model of Arthrogryposis Multiplex Congenita. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2021, 8, .	6.0	7
58	A unique cerebellar pattern of microglia activation in a mouse model of encephalopathy of prematurity. <i>Glia</i> , 2022, 70, 1699-1719.	4.9	7
59	Attenuated transcriptional response to pro-inflammatory cytokines in schizophrenia iPSC-derived neural progenitor cells. <i>Brain, Behavior, and Immunity</i> , 2022, 105, 82-97.	4.1	7
60	Mice with Reduced Vesicular Monoamine Storage Content Display Nonmotor Features of Parkinson's Disease: Table 1.. <i>Journal of Neuroscience</i> , 2009, 29, 12842-12844.	3.6	6
61	Effects of Lithium on Magnetic Resonance Imaging Signal Might Not Preclude Increases in Brain Volume After Chronic Lithium Treatment. <i>Biological Psychiatry</i> , 2013, 74, e39-e40.	1.3	6
62	GABAA and NMDA receptor density alterations and their behavioral correlates in the gestational methylazoxymethanol acetate model for schizophrenia. <i>Neuropsychopharmacology</i> , 2022, 47, 687-695.	5.4	6
63	Mapping the impact of exposure to maternal immune activation on juvenile Wistar rat brain macro- and microstructure during early post-natal development. <i>Brain and Neuroscience Advances</i> , 2019, 3, 239821281988308.	3.4	3
64	Functional brain defects in a mouse model of a chromosomal t(1;11) translocation that disrupts DISC1 and confers increased risk of psychiatric illness. <i>Translational Psychiatry</i> , 2021, 11, 135.	4.8	3
65	287. Neuroadaptations to Chronic Ketamine Exposure: A Parallel Human and Mouse MRI Imaging Study. <i>Biological Psychiatry</i> , 2017, 81, S118.	1.3	1
66	Microglia and Psychiatric Disorders. , 2021, , 133-157.		1
67	Transvascular delivery of α -synuclein preformed fibrils, using the RVG9R delivery system, generates α -synuclein pathology in the duodenal myenteric plexus of non-transgenic rats. <i>Molecular Psychiatry</i> , 2021, 26, 365-365.	7.9	1
68	Brain volume in chronic ketamine users " relationship to sub-threshold psychotic symptoms and relevance to schizophrenia. <i>Psychopharmacology</i> , 2021, , 1.	3.1	1
69	Editorial: Cardiovascular and Physical Health in Severe Mental Illness. <i>Frontiers in Psychiatry</i> , 2021, 12, 760250.	2.6	1
70	Non-invasive MR Imaging of Neurodegeneration in a Rodent Model of Parkinson's Disease. <i>Methods in Molecular Biology</i> , 2011, 711, 487-510.	0.9	1
71	Cellular and molecular signatures of in vivo imaging measures of GABAergic neurotransmission in the human brain. <i>Communications Biology</i> , 2022, 5, 372.	4.4	1
72	Reply to: Lithium and the Expanding Brain. <i>Biological Psychiatry</i> , 2012, 72, e19.	1.3	0

#	ARTICLE	IF	CITATIONS
73	Corrigendum to: Normalizing the Abnormal: Do Antipsychotic Drugs Push the Cortex Into an Unsustainable Metabolic Envelope?. Schizophrenia Bulletin, 2020, , .	4.3	0