

David Matuskey

List of Publications by Year in descending order

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83
papers

3,125
citations

218592

26
h-index

182361

51
g-index

85
all docs

85
docs citations

85
times ranked

3975
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging synaptic density in the living human brain. <i>Science Translational Medicine</i> , 2016, 8, 348ra96.	5.8	343
2	Lower synaptic density is associated with depression severity and network alterations. <i>Nature Communications</i> , 2019, 10, 1529.	5.8	277
3	Imaging robust microglial activation after lipopolysaccharide administration in humans with PET. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12468-12473.	3.3	265
4	Kinetic evaluation and test-retest reproducibility of [¹¹ C]UCB-J, a novel radioligand for positron emission tomography imaging of synaptic vesicle glycoprotein 2A in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 2041-2052.	2.4	143
5	Synaptic Changes in Parkinson Disease Assessed with in vivo Imaging. <i>Annals of Neurology</i> , 2020, 87, 329-338.	2.8	112
6	Ketamine-induced reduction in mGluR5 availability is associated with an antidepressant response: an [¹¹ C]ABP688 and PET imaging study in depression. <i>Molecular Psychiatry</i> , 2018, 23, 824-832.	4.1	108
7	Altered metabotropic glutamate receptor 5 markers in PTSD: In vivo and postmortem evidence. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8390-8395.	3.3	107
8	Biological markers of the effects of intravenous methylphenidate on improving inhibitory control in cocaine-dependent patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 14455-14459.	3.3	85
9	PET imaging of synaptic density: A new tool for investigation of neuropsychiatric diseases. <i>Neuroscience Letters</i> , 2019, 691, 44-50.	1.0	85
10	Effects of age, BMI and sex on the glial cell marker TSPO – a multicentre [¹¹ C]PBR28 HRRT PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 2329-2338.	3.3	70
11	Dopamine D3 receptor alterations in cocaine-dependent humans imaged with [¹¹ C](+)PHNO. <i>Drug and Alcohol Dependence</i> , 2014, 139, 100-105.	1.6	63
12	First-in-Human Evaluation of [¹⁸ F]-SynVesT-1, a Radioligand for PET Imaging of Synaptic Vesicle Glycoprotein 2A. <i>Journal of Nuclear Medicine</i> , 2021, 62, 561-567.	2.8	60
13	Multimodal Investigation of Network Level Effects Using Intrinsic Functional Connectivity, Anatomical Covariance, and Structure-to-Function Correlations in Unmedicated Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2018, 43, 1119-1127.	2.8	57
14	PTSD is associated with neuroimmune suppression: evidence from PET imaging and postmortem transcriptomic studies. <i>Nature Communications</i> , 2020, 11, 2360.	5.8	56
15	Cerebellar and Prefrontal Cortical Alterations in PTSD: Structural and Functional Evidence. <i>Chronic Stress</i> , 2018, 2, 247054701878639.	1.7	51
16	Reductions in Brain 5-HT1B Receptor Availability in Primarily Cocaine-Dependent Humans. <i>Biological Psychiatry</i> , 2014, 76, 816-822.	0.7	50
17	The effects of methylphenidate on resting-state striatal, thalamic and global functional connectivity in healthy adults. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1177-1191.	1.0	47
18	Elevated Dopamine D2/3 Receptor Availability in Obese Individuals: A PET Imaging Study with [¹¹ C](+)PHNO. <i>Neuropsychopharmacology</i> , 2016, 41, 3042-3050.	2.8	47

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19	Metabotropic Glutamate Receptor 5 and Glutamate Involvement in Major Depressive Disorder: A Multimodal Imaging Study. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 449-456.	1.1	47
20	A single-center, open-label positron emission tomography study to evaluate brivaracetam and levetiracetam synaptic vesicle glycoprotein 2A binding in healthy volunteers. <i>Epilepsia</i> , 2019, 60, 958-967.	2.6	45
21	Age-related changes in binding of the D2/3 receptor radioligand [¹¹ C](+)PHNO in healthy volunteers. <i>NeuroImage</i> , 2016, 130, 241-247.	2.1	43
22	Prefrontal cortical response to emotional faces in individuals with major depressive disorder in remission. <i>Psychiatry Research - Neuroimaging</i> , 2012, 202, 30-37.	0.9	42
23	A multistudy analysis of the effects of early cocaine abstinence on sleep. <i>Drug and Alcohol Dependence</i> , 2011, 115, 62-66.	1.6	41
24	Parametric Imaging and Test-Retest Variability of [¹¹ C](+)-PHNO Binding to D ₂ /D ₃ Dopamine Receptors in Humans on the High-Resolution Research Tomograph PET Scanner. <i>Journal of Nuclear Medicine</i> , 2014, 55, 960-966.	2.8	38
25	Partial-volume correction increases estimated dopamine D2-like receptor binding potential and reduces adult age differences. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 822-833.	2.4	38
26	Kappa-opioid receptors, dynorphin, and cocaine addiction: a positron emission tomography study. <i>Neuropsychopharmacology</i> , 2019, 44, 1720-1727.	2.8	36
27	First-in-Human Assessment of [¹¹ C]-LSN3172176, an M1 Muscarinic Acetylcholine Receptor PET Radiotracer. <i>Journal of Nuclear Medicine</i> , 2021, 62, 553-560.	2.8	35
28	Age-Related Change in 5-HT ₆ Receptor Availability in Healthy Male Volunteers Measured with [¹¹ C]-GSK215083 PET. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1445-1450.	2.8	34
29	In vivo evidence for dysregulation of mGluR5 as a biomarker of suicidal ideation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11490-11495.	3.3	34
30	Regional and source-based patterns of [¹¹ C](+)-PHNO binding potential reveal concurrent alterations in dopamine D ₂ and D ₃ receptor availability in cocaine-use disorder. <i>NeuroImage</i> , 2017, 148, 343-351.	2.1	32
31	Imaging of Synaptic Density in Neurodegenerative Disorders. <i>Journal of Nuclear Medicine</i> , 2022, 63, 60S-67S.	2.8	29
32	Binding of the synaptic vesicle radiotracer [¹¹ C]UCB-J is unchanged during functional brain activation using a visual stimulation task. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1067-1079.	2.4	28
33	Sex differences in amphetamine-induced dopamine release in the dorsolateral prefrontal cortex of tobacco smokers. <i>Neuropsychopharmacology</i> , 2019, 44, 2205-2211.	2.8	27
34	Age Effects on Serotonin Receptor 1B as Assessed by PET. <i>Journal of Nuclear Medicine</i> , 2012, 53, 1411-1414.	2.8	26
35	A preliminary study of dopamine D2/3 receptor availability and social status in healthy and cocaine dependent humans imaged with [¹¹ C](+)PHNO. <i>Drug and Alcohol Dependence</i> , 2015, 154, 167-173.	1.6	25
36	Imaging the effect of ketamine on synaptic density (SV2A) in the living brain. <i>Molecular Psychiatry</i> , 2022, 27, 2273-2281.	4.1	25

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37	Assessment of test-retest reproducibility of [18F]SynVesT-1, a novel radiotracer for PET imaging of synaptic vesicle glycoprotein 2A. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1327-1338.	3.3	23
38	Positron emission tomography imaging of the $\hat{1}^3$ -aminobutyric acid system. <i>Neuroscience Letters</i> , 2019, 691, 35-43.	1.0	22
39	Social status and demographic effects of the kappa opioid receptor: a PET imaging study with a novel agonist radiotracer in healthy volunteers. <i>Neuropsychopharmacology</i> , 2019, 44, 1714-1719.	2.8	22
40	Methylphenidate remediates error-preceding activation of the default mode brain regions in cocaine-addicted individuals. <i>Psychiatry Research - Neuroimaging</i> , 2013, 214, 116-121.	0.9	21
41	The effects of methylphenidate on cerebral activations to salient stimuli in healthy adults.. <i>Experimental and Clinical Psychopharmacology</i> , 2014, 22, 154-165.	1.3	21
42	Testâ€“retest reliability of the novel 5-HT1B receptor PET radioligand [11C]P943. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 468-477.	3.3	20
43	PET Imaging of Pancreatic Dopamine D ₂ and D ₃ Receptor Density with ¹¹ C-(+)-PHNO in Type 1 Diabetes. <i>Journal of Nuclear Medicine</i> , 2020, 61, 570-576.	2.8	19
44	Simplified Quantification of ¹¹ C-UCB-J PET Evaluated in a Large Human Cohort. <i>Journal of Nuclear Medicine</i> , 2021, 62, 418-421.	2.8	19
45	Preliminary evidence concerning the pattern and magnitude of cognitive dysfunction in major depressive disorder using cogstate measures. <i>Journal of Affective Disorders</i> , 2017, 218, 82-85.	2.0	18
46	Identifying brain networks in synaptic density PET (11C-UCB-J) with independent component analysis. <i>NeuroImage</i> , 2021, 237, 118167.	2.1	18
47	In vivo 5-HT6 and 5-HT2A receptor availability in antipsychotic treated schizophrenia patients vs. unmedicated healthy humans measured with [11C]GSK215083 PET. <i>Psychiatry Research - Neuroimaging</i> , 2020, 295, 111007.	0.9	17
48	Looking Back at the Next 40 Years of ASD Neuroscience Research. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 4333-4353.	1.7	17
49	Testing the effects of the GLP-1 receptor agonist exenatide on cocaine self-administration and subjective responses in humans with cocaine use disorder. <i>Drug and Alcohol Dependence</i> , 2021, 221, 108614.	1.6	16
50	Gray matter volume correlates of global positive alcohol expectancy in nonâ€“dependent adult drinkers. <i>Addiction Biology</i> , 2014, 19, 895-906.	1.4	15
51	Multimodal investigation of dopamine D2/D3 receptors, default mode network suppression, and cognitive control in cocaine-use disorder. <i>Neuropsychopharmacology</i> , 2021, 46, 316-324.	2.8	14
52	Measuring the effects of ketamine on mGluR5 using [¹⁸ F]FPEB and PET. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2254-2264.	2.4	13
53	Reproducibility of the correlative triad among aging, dopamine receptor availability, and cognition.. <i>Psychology and Aging</i> , 2019, 34, 921-932.	1.4	13
54	The Effect of Treatment with Guanfacine, an Alpha2 Adrenergic Agonist, on Dopaminergic Tone in Tobacco Smokers: An [11C]FLB457 PET Study. <i>Neuropsychopharmacology</i> , 2018, 43, 1052-1058.	2.8	12

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55	Imaging the Enzyme 11 β -Hydroxysteroid Dehydrogenase Type 1 with PET: Evaluation of the Novel Radiotracer ¹¹ C-AS2471907 in Human Brain. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1140-1146.	2.8	11
56	First in-human PET study and kinetic evaluation of [¹⁸ F]AS2471907 for imaging 11 β -hydroxysteroid dehydrogenase type 1. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 695-704.	2.4	10
57	Kinetic Modeling and Testâ€“Retest Reproducibility of ¹¹ C-EKAP and ¹¹ C-FEKAP, Novel Agonist Radiotracers for PET Imaging of the μ -Opioid Receptor in Humans. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1636-1642.	2.8	10
58	Effect of age on brain metabotropic glutamate receptor subtype 5 measured with [18F]FPEB PET. <i>NeuroImage</i> , 2021, 238, 118217.	2.1	10
59	PET Imaging of Synaptic Vesicle Protein 2A. , 2021, , 993-1019.		10
60	Imaging brain cortisol regulation in PTSD with a target for 11 β -hydroxysteroid dehydrogenase type 1. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	10
61	A single-day paradigm of self-regulated human cocaine administration. <i>Pharmacology Biochemistry and Behavior</i> , 2012, 103, 95-101.	1.3	9
62	Body Mass Index and Age Effects on Brain 11 β -Hydroxysteroid Dehydrogenase Type 1: a Positron Emission Tomography Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 1124-1131.	1.3	9
63	Tobacco Smoking in People Is Not Associated with Altered 18-kDa Translocator Protein Levels: A PET Study. <i>Journal of Nuclear Medicine</i> , 2020, 61, 1200-1204.	2.8	8
64	Human adult and adolescent biodistribution and dosimetry of the synaptic vesicle glycoprotein 2A radioligand 11C-UCB-J. <i>EJNMMI Research</i> , 2020, 10, 83.	1.1	8
65	Evaluation of (â€“â€“ ¹⁸ F ₂) ¹⁸ F ₂ specific binding: Implications for reference region approaches. <i>Synapse</i> , 2018, 72, e22016.	0.6	7
66	Binge alcohol use is not associated with alterations in striatal dopamine receptor binding or dopamine release. <i>Drug and Alcohol Dependence</i> , 2019, 205, 107627.	1.6	7
67	Imaging Pituitary Vasopressin 1B Receptor in Humans with the PET Radiotracer ¹¹ C-TASP699. <i>Journal of Nuclear Medicine</i> , 2022, 63, 609-614.	2.8	7
68	A Case Series on the Heightened Autonomic Response due to Guanfacine and Amphetamine Interaction. <i>Journal of Clinical Psychopharmacology</i> , 2015, 35, 197-199.	0.7	6
69	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
70	Recently Abstinent Smokers Exhibit Mood-Associated Dopamine Dysfunction in the Ventral Striatum Compared to Nonsmokers: A [11C]-(+)-PHNO PET Study. <i>Nicotine and Tobacco Research</i> , 2022, 24, 745-752.	1.4	5
71	Assessment of transient dopamine responses to smoked cannabis. <i>Drug and Alcohol Dependence</i> , 2021, 227, 108920.	1.6	4
72	Late-life onset bipolar disorder presenting as a case of pseudo-dementia: a case discussion and review of literature. <i>Yale Journal of Biology and Medicine</i> , 2013, 86, 235-44.	0.2	4

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73	389. In Vivo Evidence of Lower Synaptic Density in Depression and Associated Mood and Cognitive Deficits: A [¹¹ C]UCB-J PET Imaging Study. <i>Biological Psychiatry</i> , 2017, 81, S159.	0.7	3
74	Memory Reconsolidation for Treatment-Resistant Aggression and Self-Injurious Behaviors. <i>Journal of Clinical Psychopharmacology</i> , 2015, 35, 104-105.	0.7	1
75	Investigating Age Related Associations of Metabotropic Glutamate Receptor 5 Density Using [¹⁸ F]FPEB and PET. <i>American Journal of Geriatric Psychiatry</i> , 2017, 25, S96-S97.	0.6	1
76	Editorial. <i>Neuroscience Letters</i> , 2019, 691, 1-2.	1.0	1
77	Further in vivo characterization of [¹¹ C]α(+)-αPHNO uptake into a retina-like region of interest in humans. <i>Synapse</i> , 2020, 74, e22135.	0.6	1
78	Dopamine D2/3 receptor availability in cocaine use disorder individuals with obesity as measured by [¹¹ C]PHNO PET. <i>Drug and Alcohol Dependence</i> , 2021, 220, 108514.	1.6	1
79	Nicotine patch alters patterns of cigarette smoking-induced dopamine release: Patterns relate to biomarkers associated with treatment response. <i>Nicotine and Tobacco Research</i> , 2022, , .	1.4	1
80	Relationships between dopamine D2/3 receptor availability and social-environmental factors in humans. <i>Neuroscience Letters</i> , 2022, 771, 136463.	1.0	1
81	Psychiatric Hospitalizations Before and After Firearm Reform in Connecticut. <i>Psychiatric Services</i> , 2021, 72, 617-617.	1.1	0
82	Imaging the Effect of Ketamine on Synaptic (SV2A) Density. <i>Biological Psychiatry</i> , 2021, 89, S35.	0.7	0
83	D3 Receptors and PET Imaging. <i>Current Topics in Behavioral Neurosciences</i> , 2022, , .	0.8	0