Francesca Zanderigo

List of Publications by Year
in descending order

73	1,586	394421 19	330143 37
papers	citations	h-index	g-index

75	75	75	1995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain 5-HT1A Receptor PET Binding, Cortisol Responses to Stress, and the Familial Transmission of Suicidal Behavior. International Journal of Neuropsychopharmacology, 2022, 25, 36-45.	2.1	7
2	Serotonin 1A Receptor Binding of [11C]CUMI-101 in Bipolar Depression Quantified using Positron Emission Tomography: Relationship to Psychopathology and Antidepressant Response. International Journal of Neuropsychopharmacology, 2022, , .	2.1	2
3	Sourceâ€toâ€Target Automatic Rotating Estimation (STARE) â€“ A publiclyâ€available, bloodâ€free quantification approach for PET tracers with irreversible kinetics: Theoretical framework and validation for [18F]FDG. NeuroImage, 2022, 249, 118901.	4.2	3
4	Serotonin transporter binding in major depressive disorder: impact of serotonin system anatomy. Molecular Psychiatry, 2022, 27, 3417-3424.	7.9	5
5	P313. Relationships Between Depression, Suicidal Ideation, and Neuroinflammation as Measured Using Positron Emission Tomography with [11C]ER-176. Biological Psychiatry, 2022, 91, S214.	1.3	0
6	Neuroinflammation and Acute Psychopathology. Biological Psychiatry, 2022, 91, S54.	1.3	0
7	Ventral prefrontal serotonin 1A receptor binding: a neural marker of vulnerability for mood disorder and suicidal behavior?. Molecular Psychiatry, 2022, 27, 4136-4143.	7.9	4
8	Large-scale network dynamics in neural response to emotionally negative stimuli linked to serotonin 1A binding in major depressive disorder. Molecular Psychiatry, 2021, 26, 2393-2401.	7.9	11
9	Nondisplaceable Binding Is a Potential Confounding Factor in ¹¹C-PBR28 Translocator Protein PET Studies. Journal of Nuclear Medicine, 2021, 62, 412-417.	5.0	10
10	Examining the relationship between gray matter volume and a continuous measure of bipolarity in unmedicated unipolar and bipolar depression. Journal of Affective Disorders, 2021, 280, 105-113.	4.1	2
11	Real-Time Positron Emission Tomography Evaluation of Topotecan Brain Kinetics after Ultrasound-Mediated Bloodâ€“Brain Barrier Permeability. Pharmaceutics, 2021, 13, 405.	4.5	7
12	In Vivo Serotonin Transporter Binding Correlates With Ecological Momentary Assessment of Daily Stressors in Suicide Attempters in Serotonin-Specific Atlas-Defined Brain Regions. Biological Psychiatry, 2021, 89, S87.	1.3	0
13	Deficits of white matter axial diffusivity in bipolar disorder relative to major depressive disorder: No relationship to cerebral perfusion or body mass index. Bipolar Disorders, 2020, 22, 296-302.	1.9	16
14	Ecological Momentary Assessment Daily Stress Reports Correlate With Cortical Morphology in Adult Major Depressive Disorder. Biological Psychiatry, 2020, 87, S387.	1.3	1
15	Guidelines for the content and format of PET brain data in publications and archives: A consensus paper. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1576-1585.	4.3	47
16	Lipocalin-2 is an anorexigenic signal in primates. ELife, 2020, 9, .	6.0	27
17	In vivo PET Imaging of [11C]CIMBI-5, a 5-HT2AR Agonist Radiotracer in Nonhuman Primates. Journal of Pharmacy and Pharmaceutical Sciences, 2019, 22, 352-364.	2.1	5
18	Brain serotonin transporter binding, plasma arachidonic acid and depression severity: A positron emission tomography study of major depression. Journal of Affective Disorders, 2019, 257, 495-503.	4.1	22

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19	Altered amygdala subregion-related circuits in treatment-naÃ¯ve post-traumatic stress disorder comorbid with major depressive disorder. European Neuropsychopharmacology, 2019, 29, 1092-1101.	0.7	19
20	S84. PET Quantification of Serotonin Transporter Binding in Major Depressive Disorder. Biological Psychiatry, 2019, 85, S329.	1.3	0
21	F121. Examining the Relationship Between a Continuous Measure of Bipolarity and Gray Matter Volume in Unmedicated Individuals With Unipolar and Bipolar Depression. Biological Psychiatry, 2019, 85, S260.	1.3	0
22	Accuracy and reliability of [11C]PBR28 specific binding estimated without the use of a reference region. NeuroImage, 2019, 188, 102-110.	4.2	18
23	F105. Neural Correlates of Risk and Resilience in Individuals With Family History of Mood Disorder. Biological Psychiatry, 2019, 85, S253-S254.	1.3	0
24	Quantifying Brain [¹⁸F]FDG Uptake Noninvasively by Combining Medical Health Records and Dynamic PET Imaging Data. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 2576-2582.	6.3	10
25	Quantification of Positron Emission Tomography Data Using Simultaneous Estimation of the Input Function: Validation with Venous Blood and Replication of Clinical Studies. Molecular Imaging and Biology, 2019, 21, 926-934.	2.6	16
26	Resting regional brain activity correlates of verbal learning deficit in major depressive disorder. Psychiatry Research - Neuroimaging, 2019, 283, 96-103.	1.8	4
27	[11C]Harmine Binding to Brain Monoamine Oxidase A: Test-Retest Properties and Noninvasive Quantification. Molecular Imaging and Biology, 2018, 20, 667-681.	2.6	13
28	175. Cognitive Behavioral Therapy for Depression and the Neural Correlates of Emotion Regulation: Prediction of Treatment Outcome and Longitudinal Effects. Biological Psychiatry, 2018, 83, S71.	1.3	0
29	196. Polyunsaturated Fatty Acid Supplementation is Related to White Matter Integrity and Glucose Uptake in Major Depressive Disorder. Biological Psychiatry, 2018, 83, S79.	1.3	0
30	Higher 5-HT1A autoreceptor binding as an endophenotype for major depressive disorder identified in high risk offspring â€“ A pilot study. Psychiatry Research - Neuroimaging, 2018, 276, 15-23.	1.8	19
31	In vivo relationship between serotonin 1A receptor binding and gray matter volume in the healthy brain and in major depressive disorder. Brain Structure and Function, 2018, 223, 2609-2625.	2.3	14
32	Non-invasive estimation of [11C]PBR28 binding potential. NeuroImage, 2018, 169, 278-285.	4.2	23
33	[¹¹C]arachidonic acid incorporation measurement in human brain: Optimization for clinical use. Synapse, 2018, 72, e22018.	1.2	8
34	Pattern recognition of magnetic resonance imaging-based gray matter volume measurements classifies bipolar disorder and major depressive disorder. Journal of Affective Disorders, 2018, 227, 498-505.	4.1	60
35	Longitudinal effects of cognitive behavioral therapy for depression on the neural correlates of emotion regulation. Psychiatry Research - Neuroimaging, 2018, 271, 82-90.	1.8	33
36	In vivo evaluation of [11C]TMI, a COX-2 selective PET tracer, in baboons. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3592-3595.	2.2	23

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37	Likelihood estimation of drug occupancy for brain PET studies. NeuroImage, 2018, 178, 255-265.	4.2	14
38	Kappa opioid receptor binding in major depression: A pilot study. Synapse, 2018, 72, e22042.	1.2	26
39	In Vivo Brain Imaging, Biodistribution, and Radiation Dosimetry Estimation of [11C]Celecoxib, a COX-2 PET Ligand, in Nonhuman Primates. Molecules, 2018, 23, 1929.	3.8	20
40	Statistical evaluation of test-retest studies in PET brain imaging. EJNMMI Research, 2018, 8, 13.	2.5	22
41	Radiosynthesis and in vivo evaluation of [11 C]MOV as a PET imaging agent for COX-2. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2432-2435.	2.2	10
42	Radiosynthesis and in Vivo Evaluation of [11C]A1070722, a High Affinity GSK-3 PET Tracer in Primate Brain. ACS Chemical Neuroscience, 2017, 8, 1697-1703.	3.5	16
43	598. White Matter Correlates of Suicidal Ideation in Depressed Patients. Biological Psychiatry, 2017, 81, S242.	1.3	0
44	In vivo evaluation of [18 F]FECIMBI-36, an agonist 5-HT 2A/2C receptor PET radioligand in nonhuman primate. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 21-23.	2.2	11
45	Utility of Molecular and Structural Brain Imaging to Predict Progression from Mild Cognitive Impairment to Dementia. Journal of Alzheimer's Disease, 2017, 60, 939-947.	2.6	6
46	Estimation of the binding potential BPND without a reference region or blood samples for brain PET studies. NeuroImage, 2017, 146, 121-131.	4.2	10
47	A hybrid deconvolution approach for estimation of in vivo non-displaceable binding for brain PET targets without a reference region. PLoS ONE, 2017, 12, e0176636.	2.5	5
48	Lack of association between the serotonin transporter and serotonin 1A receptor: an in vivo PET imaging study in healthy adults. Psychiatry Research - Neuroimaging, 2016, 255, 81-86.	1.8	8
49	Effects of common anesthetic agents on [18F]flumazenil binding to the GABAA receptor. EJNMMI Research, 2016, 6, 80.	2.5	9
50	Toward Noninvasive Quantification of Brain Radioligand Binding by Combining Electronic Health Records and Dynamic PET Imaging Data. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 1271-1282.	6.3	8
51	Non-invasive quantification of brain [¹⁸F]-FDG uptake by combining medical health records and dynamic PET imaging data. , 2015, 2015, 2243-6.		2
52	Estimation of in vivo nonspecific binding in positron emission tomography studies without requiring a reference region. NeuroImage, 2015, 108, 234-242.	4.2	19
53	Model-Free Quantification of Dynamic PET Data Using Nonparametric Deconvolution. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1368-1379.	4.3	7
54	Noninvasive Blood-Free Full Quantification of Positron Emission Tomography Radioligand Binding. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 148-156.	4.3	11

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55	Combining brain imaging data with electronic health records to non-invasively quantify [¹¹C]DASB binding. , 2014, , .		2
56	Brain Serotonin 1A Receptor Binding as a Predictor of Treatment Outcome in Major Depressive Disorder. Biological Psychiatry, 2013, 74, 760-767.	1.3	84
57	Reference Region Approaches in PET: a Comparative Study on Multiple Radioligands. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 888-897.	4.3	80
58	Brain tissue selection procedures for image derived input functions derived using independent components analysis. , 2012, 2012, 5987-90.		1
59	Assessment of clinical data of nonlinear stochastic deconvolution versus block-circulant singular value decomposition for quantitative dynamic susceptibility contrast magnetic resonance imaging. Magnetic Resonance Imaging, 2011, 29, 927-936.	1.8	6
60	Automatic selection of arterial input function on dynamic contrast-enhanced MR images. Computer Methods and Programs in Biomedicine, 2011, 104, e148-e157.	4.7	51
61	Simultaneous Estimation of Input Functions: An Empirical Study. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 816-826.	4.3	50
62	Robust Fitting of [¹¹C]-WAY-100635 PET Data. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1366-1372.	4.3	0
63	In Vivo Quantification of Human Serotonin 1A Receptor Using ¹¹C-CUMI-101, an Agonist PET Radiotracer. Journal of Nuclear Medicine, 2010, 51, 1892-1900.	5.0	80
64	Higher Serotonin 1A Binding in a Second Major Depression Cohort: Modeling and Reference Region Considerations. Biological Psychiatry, 2010, 68, 170-178.	1.3	148
65	A voxel-based clustering approach for the automatic selection of testing regions in the simultaneous estimation of input functions in PET. NeuroImage, 2010, 52, S176.	4.2	5
66	Empirical Bayesian estimation in graphical analysis: a voxel-based approach for the determination of the volume of distribution in PET studies. Nuclear Medicine and Biology, 2010, 37, 443-451.	0.6	14
67	A data adaptive approach to the robust fitting of PET data: Application to group and test-retest analysis. , 2009, , .		0
68	A new method for assessing PET-MRI coregistration. Proceedings of SPIE, 2009, , .	0.8	13
69	Nonlinear Stochastic Regularization to Characterize Tissue Residue Function in Bolus-Tracking MRI: Assessment and Comparison With SVD, Block-Circulant SVD, and Tikhonov. IEEE Transactions on Biomedical Engineering, 2009, 56, 1287-1297.	4.2	36
70	Modeling Considerations for In Vivo Quantification of the Dopamine Transporter using [¹¹C]PE2I and Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1332-1345.	4.3	36
71	Glucose Prediction Algorithms from Continuous Monitoring Data: Assessment of Accuracy via Continuous Glucose Error-Grid Analysis. Journal of Diabetes Science and Technology, 2007, 1, 645-651.	2.2	42
72	Glucose Concentration can be Predicted Ahead in Time From Continuous Glucose Monitoring Sensor Time-Series. IEEE Transactions on Biomedical Engineering, 2007, 54, 931-937.	4.2	285

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73	Continuous glucose monitoring and hypo/hyperglycaemia prediction. Diabetes Research and Clinical Practice, 2006, 74, S160-S163.	2.8	20