Valerie Treyer

List of Publications by Year in descending order

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		87843	45285
123	8,882	38	90
papers	citations	h-index	g-index
128	128	128	8348
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Rest/stress myocardial perfusion imaging by positron emission tomography with 18F-Flurpiridaz: A feasibility study in mice. Journal of Nuclear Cardiology, 2023, 30, 62-73.	1.4	4
2	[18F]FDG uptake of axillary lymph nodes after COVID-19 vaccination in oncological PET/CT: frequency, intensity, and potential clinical impact. European Radiology, 2022, 32, 508-516.	2.3	41
3	Splenic switch-off as a novel marker for adenosine response in nitrogen-13 ammonia PET myocardial perfusion imaging: Cross-validation against CMR using a hybrid PET/MR device. Journal of Nuclear Cardiology, 2022, 29, 1205-1214.	1.4	12
4	Heart–brain interactions in cardiac and brain diseases: why sex matters. European Heart Journal, 2022, 43, 3971-3980.	1.0	28
5	NEMA NU 2–2018 performance evaluation of a new generation 30-cm axial field-of-view Discovery MI PET/CT. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 3023-3032.	3.3	10
6	Low Subicular Volume as an Indicator of Dementia-Risk Susceptibility in Old Age. Frontiers in Aging Neuroscience, 2022, 14, 811146.	1.7	5
7	Lifestyle Affects Amyloid Burden and Cognition Differently in Men and Women. Annals of Neurology, 2022, 92, 451-463.	2.8	6
8	Quantification of perivascular inflammation does not provide incremental prognostic value over myocardial perfusion imaging and calcium scoring. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1806-1812.	3.3	17
9	Impact of PET data driven respiratory motion correction and BSREM reconstruction of 68Ga-DOTATATE PET/CT for differentiating neuroendocrine tumors (NET) and intrapancreatic accessory spleens (IPAS). Scientific Reports, 2021, 11, 2273.	1.6	15
10	Tauvid™: The First FDA-Approved PET Tracer for Imaging Tau Pathology in Alzheimer's Disease. Pharmaceuticals, 2021, 14, 110.	1.7	56
11	Age- and sex-dependent changes of resting amygdalar activity in individuals free of clinical cardiovascular disease. Journal of Nuclear Cardiology, 2021, 28, 427-432.	1.4	4
12	Whole-body parametric [18F]-FDG PET/CT improves interpretation of a distant lesion as venous embolus in a lung cancer patient. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2047-2048.	3.3	3
13	Physical activity is associated with lower cerebral beta-amyloid and cognitive function benefits from lifetime experience–a study in exceptional aging. PLoS ONE, 2021, 16, e0247225.	1.1	10
14	FDG-PET/CT: novel method for viability assessment of livers perfused ex vivo. Nuclear Medicine Communications, 2021, 42, 826-832.	0.5	2
15	A pilot study on lung cancer detection based on regional metabolic activity distribution in digital low-dose 18F-FDG PET. British Journal of Radiology, 2021, 94, 20200244.	1.0	1
16	The Interplay Between Postsynaptic Striatal D2/3 Receptor Availability, Adversity Exposure and Odd Beliefs: A [11C]-Raclopride PET Study. Schizophrenia Bulletin, 2021, 47, 1495-1508.	2.3	3
17	Potential Impact of Statins on Neuronal Stress Responses in Patients at Risk for Cardiovascular Disease. Journal of Personalized Medicine, 2021, 11, 261.	1.1	2
18	Regional brain mGlu5 receptor occupancy following single oral doses of mavoglurant as measured by [11C]-ABP688 PET imaging in healthy volunteers. NeuroImage, 2021, 230, 117785.	2.1	6

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19	Sex and age differences in the association of heart rate responses to adenosine and myocardial ischemia in patients undergoing myocardial perfusion imaging. Journal of Nuclear Cardiology, 2020, 27, 159-170.	1.4	11
20	Association between vertebral bone mineral density, myocardial perfusion, and long-term cardiovascular outcomes: A sex-specific analysis. Journal of Nuclear Cardiology, 2020, 27, 726-736.	1.4	7
21	Sex-dependent association between inflammation, neural stress responses, and impaired myocardial function. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2010-2015.	3.3	19
22	Artificial intelligence for detecting small FDG-positive lung nodules in digital PET/CT: impact of image reconstructions on diagnostic performance. European Radiology, 2020, 30, 2031-2040.	2.3	39
23	18F-FET PET for Diagnosis of Pseudoprogression of Brain Metastases in Patients With Non–Small Cell Lung Cancer. Clinical Nuclear Medicine, 2020, 45, 113-117.	0.7	17
24	The role of the metabotropic glutamate receptor 5 in nicotine addiction. CNS Spectrums, 2020, , 1-6.	0.7	3
25	Myocardial 18F-FDG Uptake Pattern for Cardiovascular Risk Stratification in Patients Undergoing Oncologic PET/CT. Journal of Clinical Medicine, 2020, 9, 2279.	1.0	14
26	Alzheimer's disease biomarker roadmap 2020: [18 F]flortaucipir. Alzheimer's and Dementia, 2020, 16, e039550.	0.4	0
27	Alzheimer's disease biomarker roadmap 2020: Secondâ€generation tau PET tracers. Alzheimer's and Dementia, 2020, 16, e039556.	0.4	1
28	Alzheimer's disease biomarker roadmap 2020: Fluid biomarkers. Alzheimer's and Dementia, 2020, 16, e039557.	0.4	2
29	Betaâ€amyloidâ€associated episodic memory variation correlates with subicular volume in nonâ€demented old aged individuals. Alzheimer's and Dementia, 2020, 16, e043904.	0.4	0
30	GABA and glutamate associate with evidence of preclinical Alzheimer disease in humans: A 7 Tesla MRSI and ¹¹ Câ€PIB PET study. Alzheimer's and Dementia, 2020, 16, e044175.	0.4	1
31	Alzheimer's disease biomarker roadmap 2020: Time for tau. Alzheimer's and Dementia, 2020, 16, e039549.	0.4	3
32	Microvascular dysfunction and sympathetic hyperactivity in women with supra-normal left ventricular ejection fraction (snLVEF). European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 3094-3106.	3.3	25
33	Functional Brain Network Connectivity Patterns Associated With Normal Cognition at Old-Age, Local β-amyloid, Tau, and APOE4. Frontiers in Aging Neuroscience, 2020, 12, 46.	1.7	21
34	APOE4 moderates effects of cortical iron on synchronized default mode network activity in cognitively healthy oldâ€aged adults. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12002.	1.2	23
35	Metabotropic glutamate receptor 5 in bulimia nervosa. Scientific Reports, 2020, 10, 6374.	1.6	11
36	Reduced uptake of [11C]â€ABP688, a PET tracer for metabolic glutamate receptor 5 in hippocampus and amygdala in Alzheimer's dementia. Brain and Behavior, 2020, 10, e01632.	1.0	14

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37	Radiation dosimetry of 18F-AzaFol: A first in-human use of a folate receptor PET tracer. EJNMMI Research, 2020, 10, 32.	1.1	23
38	Outcome analyses in patients with metastatic gastroenteropancreatic neuroendocrine tumors receiving peptide receptor radionuclide therapy with ⟨sup⟩177⟨ sup⟩Lu-DOTATATE â€" Impact of treatment order and combination on mortality Journal of Clinical Oncology, 2020, 38, 4606-4606.	0.8	0
39	Dynamic changes in cerebral and peripheral markers of glutamatergic signaling across the human sleep–wake cycle. Sleep, 2019, 42, .	0.6	20
40	Heart rate reserve is a long-term risk predictor in women undergoing myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 2032-2041.	3.3	12
41	Radiation dosimetry of [18F]-PSS232â€"a PET radioligand for imaging mGlu5 receptors in humans. EJNMMI Research, 2019, 9, 56.	1.1	2
42	Sex Differences in the Association between Inflammation and Ischemic Heart Disease. Thrombosis and Haemostasis, 2019, 119, 1471-1480.	1.8	22
43	Metabolic Activity in Central Neural Structures of Patients With Myocardial Injury. Journal of the American Heart Association, 2019, 8, e013070.	1.6	4
44	Quantification of intrathoracic fat adds prognostic value in women undergoing myocardial perfusion imaging. International Journal of Cardiology, 2019, 292, 258-264.	0.8	9
45	Association between resting amygdalar activity and abnormal cardiac function in women and men: a retrospective cohort study. European Heart Journal Cardiovascular Imaging, 2019, 20, 625-632.	0.5	24
46	Increased cerebral blood volume in small arterial vessels is aÂcorrelate of amyloid-β–related cognitive decline. Neurobiology of Aging, 2019, 76, 181-193.	1.5	10
47	Heart rate reserve during pharmacological stress is a significant negative predictor of impaired coronary flow reserve in women. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1257-1267.	3.3	18
48	Association between beta-adrenoceptor antagonist-induced sympathicolysis and severity of coronary artery disease as assessed by coronary computed tomography angiography (CCTA). International Journal of Cardiovascular Imaging, 2019, 35, 927-936.	0.7	1
49	Imaging glutamate redistribution after acute N-acetylcysteine administration: A simultaneous PET/MR study. Neurolmage, 2019, 184, 826-833.	2.1	16
50	Metabotropic glutamate receptor 5 binding in male patients with alcohol use disorder. Translational Psychiatry, 2018, 8, 17.	2.4	40
51	Low cortical iron and high entorhinal cortex volume promote cognitive functioning in the oldest-old. Neurobiology of Aging, 2018, 64, 68-75.	1.5	25
52	Simultaneous quantitative susceptibility mapping and Flutemetamol-PET suggests local correlation of iron and \hat{l}^2 -amyloid as an indicator of cognitive performance at high age. Neurolmage, 2018, 174, 308-316.	2.1	70
53	Brain amyloid burden and cerebrovascular disease are synergistically associated with neurometabolism in cognitively unimpaired older adults. Neurobiology of Aging, 2018, 63, 152-161.	1.5	16
54	A first-in-man PET study of [18F]PSS232, a fluorinated ABP688 derivative for imaging metabotropic glutamate receptor subtype 5. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1041-1051.	3.3	16

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55	Age- and sex-dependent changes in sympathetic activity of the left ventricular apex assessed by 18F-DOPA PET imaging. PLoS ONE, 2018, 13, e0202302.	1.1	29
56	Sex differences in the long-term prognostic value of 13N-ammonia myocardial perfusion positron emission tomography. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1964-1974.	3.3	21
57	Metabotropic glutamate receptor 5 neuroimaging in schizophrenia. Schizophrenia Research, 2017, 183, 95-101.	1.1	29
58	Hippocampal shape alterations are associated with regional ${\sf A}\hat{\sf I}^2$ load in cognitively normal elderly individuals. European Journal of Neuroscience, 2017, 45, 1241-1251.	1.2	9
59	[ICâ€Pâ€018]: NEUROIMAGINGâ€DEFINED AMYLOID AND CEREBROVASCULAR PATHOLOGY ARE ASSOCIATED WAS NEUROMETABOLIC SIGNATURE OF ALZHEIMER's DISEASE. Alzheimer's and Dementia, 2017, 13, P20.	/ITH A	0
60	Colocalization of cerebral iron with Amyloid beta in Mild Cognitive Impairment. Scientific Reports, 2016, 6, 35514.	1.6	147
61	MGluR5 binding as a specific biomarker for nicotine dependence and relapse in humans. European Neuropsychopharmacology, 2016, 26, S126.	0.3	O
62	Association of Long-Term Nicotine Abstinence With Normal Metabotropic Glutamate Receptor-5 Binding. Biological Psychiatry, 2016, 79, 474-480.	0.7	34
63	Regional Fluid-Attenuated Inversion Recovery (FLAIR) at 7 Tesla correlates with amyloid beta in hippocampus and brainstem of cognitively normal elderly subjects. Frontiers in Aging Neuroscience, 2014, 6, 240.	1.7	20
64	Smoking but not cocaine use is associated with lower cerebral metabotropic glutamate receptor 5 density in humans. Molecular Psychiatry, 2014, 19, 625-632.	4.1	47
65	Metabotropic glutamate receptor 5 binding in patients with obsessive-compulsive disorder. International Journal of Neuropsychopharmacology, 2014, 17, 1915-1922.	1.0	46
66	Cortical Amyloid Beta in Cognitively Normal Elderly Adults is Associated with Decreased Network Efficiency within the Cerebro-Cerebellar System. Frontiers in Aging Neuroscience, 2014, 6, 52.	1.7	26
67	Marked global reduction in mGluR5 receptor binding in smokers and ex-smokers determined by [$\sup 11$ /sup> C]ABP688 positron emission tomography. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 737-742.	3.3	100
68	Assessment of serotonin release capacity in the human brain using dexfenfluramine challenge and [18F]altanserin positron emission tomography. Neurolmage, 2012, 59, 3922-3932.	2.1	30
69	Low-Dose Computed Tomography Coronary Angiography With Prospective Electrocardiogram Triggering. Journal of the American College of Cardiology, 2011, 57, 332-336.	1.2	84
70	Assessment of successful incorporation of cages after cervical or lumbar intercorporal fusion with [(18)F]fluoride positron-emission tomography/computed tomography. European Spine Journal, 2011, 20, 640-648.	1.0	24
71	FDG uptake in vaginal tampons is caused by urinary contamination and related to tampon position. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 90-96.	3.3	6
72	Reduced Metabotropic Glutamate Receptor 5 Density in Major Depression Determined by [¹¹ C]ABP688 PET and Postmortem Study. American Journal of Psychiatry, 2011, 168, 727-734.	4.0	239

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73	New reconstruction algorithm allows shortened acquisition time for myocardial perfusion SPECT. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 750-757.	3.3	48
74	Ultrafast nuclear myocardial perfusion imaging on a new gamma camera with semiconductor detector technique: first clinical validation. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 773-778.	3.3	165
75	Feasibility of integrated CT-liver perfusion in routine FDG-PET/CT. Abdominal Imaging, 2010, 35, 528-536.	2.0	27
76	Nuclear Myocardial Perfusion Imaging with a Cadmium-Zinc-Telluride Detector Technique: Optimized Protocol for Scan Time Reduction. Journal of Nuclear Medicine, 2010, 51, 46-51.	2.8	195
77	Validation of CT Attenuation Correction for High-Speed Myocardial Perfusion Imaging Using a Novel Cadmium-Zinc-Telluride Detector Technique. Journal of Nuclear Medicine, 2010, 51, 1539-1544.	2.8	59
78	S.28.03 Abnormalities of glutamate and GABA systems in depression: novel findings from studies using MRS and PET. European Neuropsychopharmacology, 2010, 20, S207-S208.	0.3	1
79	First head-to-head comparison of effective radiation dose from low-dose 64-slice CT with prospective ECG-triggering versus invasive coronary angiography. Heart, 2009, 95, 1656-1661.	1.2	89
80	Stimulation-Induced Increases of Astrocytic Oxidative Metabolism in Rats and Humans Investigated with 1- ¹¹ C-Acetate. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 44-56.	2.4	43
81	Radiation dosimetry and biodistribution of 11C-ABP688 measured in healthy volunteers. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 766-770.	3.3	30
82	Time-course of "off-line―prefrontal rTMS effects — a PET study. NeuroImage, 2008, 42, 379-384.	2.1	90
83	Feasibility of low-dose coronary CT angiography: first experience with prospective ECG-gating. European Heart Journal, 2007, 29, 191-197.	1.0	479
84	Spatial Heterogeneity of Low-Grade Gliomas at the Capillary Level: A PET Study on Tumor Blood Flow and Amino Acid Uptake. Journal of Nuclear Medicine, 2007, 48, 1047-1052.	2.8	41
85	Evaluation of the Metabotropic Glutamate Receptor Subtype 5 Using PET and 11C-ABP688: Assessment of Methods. Journal of Nuclear Medicine, 2007, 48, 1207-1215.	2.8	68
86	Absolute Quantification of Myocardial Blood Flow with 13N-Ammonia and 3-Dimensional PET. Journal of Nuclear Medicine, 2007, 48, 1783-1789.	2.8	46
87	Objective and subjective comparison of standard 2-D and fully 3-D reconstructed data on a PET/CT system. Nuclear Medicine Communications, 2007, 28, 555-559.	0.5	23
88	Transient epileptic opercular syndrome. Seizure: the Journal of the British Epilepsy Association, 2007, 16, 276-282.	0.9	6
89	Quantitative evaluation of 11C-ABP688 as PET ligand for the measurement of the metabotropic glutamate receptor subtype 5 using autoradiographic studies and a beta-scintillator. Neurolmage, 2007, 35, 1086-1092.	2.1	37
90	P.1.e.012 Assessment of serotonin release capacity in the human brain using dexfenfluramine challenge and [18F]altanserin-PET. European Neuropsychopharmacology, 2007, 17, S287.	0.3	0

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91	Uptake of 18F-Fluorocholine, 18F-FET, and 18F-FDG in C6 Gliomas and Correlation with 131I-SIP(L19), a Marker of Angiogenesis. Journal of Nuclear Medicine, 2007, 48, 608-614.	2.8	36
92	Assessment of myocardial perfusion by dynamic O-15–labeled water PET imaging: Validation of a new fast factor analysis. Journal of Nuclear Cardiology, 2007, 14, 698-705.	1.4	13
93	Human PET studies of metabotropic glutamate receptor subtype 5 with 11C-ABP688. Journal of Nuclear Medicine, 2007, 48, 247-52.	2.8	121
94	Lateralized and frequency-dependent effects of prefrontal rTMS on regional cerebral blood flow. Neurolmage, 2006, 31, 641-648.	2.1	98
95	Radioimmunotherapy targeting the extra domain B of fibronectin in C6 rat gliomas: a preliminary study about the therapeutic efficacy of iodine-131-labeled SIP(L19). Nuclear Medicine and Biology, 2006, 33, 661-666.	0.3	29
96	F-18 FDG Whole-Body PET for the Assessment of Disease Activity in Patients With Rheumatoid Arthritis. Clinical Nuclear Medicine, 2006, 31, 386-390.	0.7	122
97	Selection of currently relevant words: an auditory verbal memory study using positron emission tomography. NeuroReport, 2006, 17, 323-327.	0.6	14
98	Uptake of 18F-fluorocholine, 18F-fluoro-ethyl-L-tyrosine and 18F-fluoro-2-deoxyglucose in F98 gliomas in the rat. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 673-682.	3.3	39
99	Effects of baseline task position on apparent activation in functional imaging of memory. Neuropsychologia, 2006, 44, 462-468.	0.7	4
100	Changes in Cerebral Glucose Metabolism after an Expedition to High Altitudes. High Altitude Medicine and Biology, 2006, 7, 28-38.	0.5	7
101	Diminishing Reciprocal Fairness by Disrupting the Right Prefrontal Cortex. Science, 2006, 314, 829-832.	6.0	910
102	Disruption of Right Prefrontal Cortex by Low-Frequency Repetitive Transcranial Magnetic Stimulation Induces Risk-Taking Behavior. Journal of Neuroscience, 2006, 26, 6469-6472.	1.7	434
103	Male subjects who could not perceive the pheromone 5a-androst-16-en-3-one, produced similar orbitofrontal changes on PET compared with perceptible phenylethyl alcohol (rose). Rhinology, 2006, 44, 278-82.	0.7	0
104	Exposure to pulse-modulated radio frequency electromagnetic fields affects regional cerebral blood flow. European Journal of Neuroscience, 2005, 21, 1000-1006.	1.2	131
105	The human orbitofrontal cortex monitors outcomes even when no reward is at stake. Neuropsychologia, 2005, 43, 316-323.	0.7	70
106	Processing content or location: Distinct brain activation in a memory task. Hippocampus, 2005, 15, 684-689.	0.9	13
107	Attention and Interhemispheric Transfer: A Behavioral and fMRI Study. Journal of Cognitive Neuroscience, 2005, 17, 113-123.	1.1	91
108	The Neural Basis of Altruistic Punishment. Science, 2004, 305, 1254-1258.	6.0	2,264

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109	Constant-infusion H(2)150 PET and acetazolamide challenge in the assessment of cerebral perfusion status. Journal of Nuclear Medicine, 2004, 45, 1344-50.	2.8	11
110	Quantitative cerebral H2 15O perfusion PET without arterial blood sampling, a method based on washout rate. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 572-580.	3.3	22
111	Nonconscious formation and reactivation of semantic associations by way of the medial temporal lobe. Neuropsychologia, 2003, 41, 863-876.	0.7	94
112	Active hippocampus during nonconscious memories. Consciousness and Cognition, 2003, 12, 31-48.	0.8	76
113	McLeod phenotype associated with a XK missense mutation without hematologic, neuromuscular, or cerebral involvement. Transfusion, 2003, 43, 928-938.	0.8	41
114	Glucocorticoid-induced impairment of declarative memory retrieval is associated with reduced blood flow in the medial temporal lobe. European Journal of Neuroscience, 2003, 17, 1296-1302.	1.2	290
115	Subcortical Loop Activation during Selection of Currently Relevant Memories. Journal of Cognitive Neuroscience, 2003, 15, 610-618.	1.1	46
116	Functional neuroimaging predicts individual memory outcome after amygdalohippocampectomy. NeuroReport, 2003, 14, 1197-1202.	0.6	26
117	Application of Oral Contrast Media in Coregistered Positron Emission Tomographyâ€"CT. American Journal of Roentgenology, 2002, 179, 477-481.	1.0	100
118	CT vs 68Ge attenuation correction in a combined PET/CT system: evaluation of the effect of lowering the CT tube current. European Journal of Nuclear Medicine and Molecular Imaging, 2002, 29, 346-350.	3.3	134
119	Electromagnetic fields, such as those from mobile phones, alter regional cerebral blood flow and sleep and waking EEG. Journal of Sleep Research, 2002, 11, 289-295.	1.7	269
120	Absolute Quantification of Cerebral Blood Flow with Magnetic Resonance, Reproducibility of the Method, and Comparison with H215O Positron Emission Tomography. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1149-1156.	2.4	93
121	Hierarchical visual processing is dependent on the oculomotor system. NeuroReport, 2000, 11, 241-248.	0.6	33
122	Selection of Currently Relevant Memories by the Human Posterior Medial Orbitofrontal Cortex. Journal of Neuroscience, 2000, 20, 5880-5884.	1.7	132
123	Early î'-Amyloid Accumulation in the Brain Is Associated With Blood T and B Cell Alterations. SSRN Electronic Journal, 0, , .	0.4	0