

Brian J Lopresti

List of Publications by Year in descending order

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97
papers

11,853
citations

81743

39
h-index

53109

85
g-index

101
all docs

101
docs citations

101
times ranked

10517
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging brain amyloid in Alzheimer's disease with Pittsburgh Compound-B. <i>Annals of Neurology</i> , 2004, 55, 306-319.	2.8	3,777
2	Frequent Amyloid Deposition Without Significant Cognitive Impairment Among the Elderly. <i>Archives of Neurology</i> , 2008, 65, 1509.	4.9	923
3	Post-mortem correlates of in vivo PiB-PET amyloid imaging in a typical case of Alzheimer's disease. <i>Brain</i> , 2008, 131, 1630-1645.	3.7	837
4	Kinetic Modeling of Amyloid Binding in Humans using PET Imaging and Pittsburgh Compound-B. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, 1528-1547.	2.4	622
5	Cortical Cholinergic Function Is More Severely Affected in Parkinsonian Dementia Than in Alzheimer Disease. <i>Archives of Neurology</i> , 2003, 60, 1745.	4.9	506
6	Simplified quantification of Pittsburgh Compound B amyloid imaging PET studies: a comparative analysis. <i>Journal of Nuclear Medicine</i> , 2005, 46, 1959-72.	2.8	398
7	Amyloid Deposition Begins in the Striatum of Presenilin-1 Mutation Carriers from Two Unrelated Pedigrees. <i>Journal of Neuroscience</i> , 2007, 27, 6174-6184.	1.7	358
8	Binding of the Positron Emission Tomography Tracer Pittsburgh Compound-B Reflects the Amount of Amyloid- β in Alzheimer's Disease Brain But Not in Transgenic Mouse Brain. <i>Journal of Neuroscience</i> , 2005, 25, 10598-10606.	1.7	357
9	The peripheral benzodiazepine receptor (Translocator protein 18kDa) in microglia: From pathology to imaging. <i>Progress in Neurobiology</i> , 2006, 80, 308-322.	2.8	336
10	Serotonin 1A Receptor Binding and Treatment Response in Late-Life Depression. <i>Neuropsychopharmacology</i> , 2004, 29, 2258-2265.	2.8	170
11	Molecular imaging of microglia/macrophages in the brain. <i>Glia</i> , 2013, 61, 10-23.	2.5	160
12	Radiologic Responses in Cynomolgus Macaques for Assessing Tuberculosis Chemotherapy Regimens. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4237-4244.	1.4	156
13	Development of Positron Emission Tomography 125 I-Amyloid Plaque Imaging Agents. <i>Seminars in Nuclear Medicine</i> , 2012, 42, 423-432.	2.5	155
14	Effects of estradiol and progesterone administration on human serotonin 2A receptor binding: a PET study. <i>Biological Psychiatry</i> , 2000, 48, 854-860.	0.7	152
15	Carbon 11 11 C-Labeled Pittsburgh Compound B and Carbon 11 11 C-Labeled (R)-PK11195 Positron Emission Tomographic Imaging in Alzheimer Disease. <i>Archives of Neurology</i> , 2009, 66, 60-7.	4.9	151
16	Reduced binding of [18F]altanserin to serotonin type 2A receptors in aging: persistence of effect after partial volume correction. <i>Brain Research</i> , 1998, 813, 167-171.	1.1	121
17	Imaging Alzheimer Pathology in Late-Life Depression With PET and Pittsburgh Compound-B. <i>Alzheimer Disease and Associated Disorders</i> , 2008, 22, 261-268.	0.6	119
18	PK11195 labels activated microglia in Alzheimer's disease and in vivo in a mouse model using PET. <i>Neurobiology of Aging</i> , 2009, 30, 1217-1226.	1.5	118

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19	Evaluation of voxel-based methods for the statistical analysis of PIB PET amyloid imaging studies in Alzheimer's disease. <i>NeuroImage</i> , 2006, 33, 94-102.	2.1	116
20	Impact of amyloid imaging on drug development in Alzheimer's disease. <i>Nuclear Medicine and Biology</i> , 2007, 34, 809-822.	0.3	115
21	PET Measures of Amphetamine-Induced Dopamine Release in Ventral versus Dorsal Striatum. <i>Neuropsychopharmacology</i> , 1999, 21, 694-709.	2.8	110
22	Consideration of Optimal Time Window for Pittsburgh Compound B PET Summed Uptake Measurements. <i>Journal of Nuclear Medicine</i> , 2009, 50, 348-355.	2.8	108
23	Cognitive correlates of alterations in acetylcholinesterase in Alzheimer's disease. <i>Neuroscience Letters</i> , 2005, 380, 127-132.	1.0	104
24	Gender-specific aging effects on the serotonin 1A receptor. <i>Brain Research</i> , 2001, 895, 9-17.	1.1	99
25	Small-molecule PET Tracers for Imaging Proteinopathies. <i>Seminars in Nuclear Medicine</i> , 2017, 47, 553-575.	2.5	91
26	In vivo assessment of amyloid β deposition in nondemented very elderly subjects. <i>Annals of Neurology</i> , 2013, 73, 751-761.	2.8	89
27	A Comparative Evaluation of the Dopamine D _{2/3} Agonist Radiotracer [¹¹ C]-N-Propyl-norapomorphine and Antagonist [¹¹ C]Raclopride to Measure Amphetamine-Induced Dopamine Release in the Human Striatum. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010, 333, 533-539.	1.3	78
28	Characterizing regional correlation, laterality and symmetry of amyloid deposition in mild cognitive impairment and Alzheimer's disease with Pittsburgh Compound B. <i>Journal of Neuroscience Methods</i> , 2008, 172, 277-282.	1.3	75
29	A comparison of the high-affinity peripheral benzodiazepine receptor ligands DAA1106 and (R)-PK11195 in rat models of neuroinflammation: implications for PET imaging of microglial activation. <i>Journal of Neurochemistry</i> , 2007, 102, 2118-2131.	2.1	72
30	Test-retest variability of serotonin 5-HT _{2A} receptor binding measured with positron emission tomography and [¹⁸ F]altanserin in the human brain. , 1998, 30, 380-392.		67
31	Relative ¹¹ C-PiB Delivery as a Proxy of Relative CBF: Quantitative Evaluation Using Single-Session ¹⁵ O-Water and ¹¹ C-PiB PET. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1199-1205.	2.8	62
32	Effect of S-equol and Soy Isoflavones on Heart and Brain. <i>Current Cardiology Reviews</i> , 2019, 15, 114-135.	0.6	56
33	Positron emission tomography imaging of peripheral benzodiazepine receptor binding in human immunodeficiency virus β infected subjects with and without cognitive impairment. <i>Journal of NeuroVirology</i> , 2006, 12, 262-271.	1.0	55
34	Cocaine Abuse in Humans Is Not Associated with Increased Microglial Activation: An 18-kDa Translocator Protein Positron Emission Tomography Imaging Study with [¹¹ C]PBR28. <i>Journal of Neuroscience</i> , 2014, 34, 9945-9950.	1.7	55
35	Analyses of [¹⁸ F]altanserin bolus injection PET data. II: Consideration of radiolabeled metabolites in humans. <i>Synapse</i> , 2001, 41, 11-21.	0.6	54
36	Two-year follow-up of amyloid deposition in patients with Alzheimer's disease. <i>Brain</i> , 2006, 129, 2805-2807.	3.7	54

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37	Validation of amyloid PET positivity thresholds in centiloids: a multisite PET study approach. <i>Alzheimer's Research and Therapy</i> , 2021, 13, 99.	3.0	53
38	The high affinity peripheral benzodiazepine receptor ligand DAA1106 binds specifically to microglia in a rat model of traumatic brain injury: Implications for PET imaging. <i>Experimental Neurology</i> , 2007, 207, 118-127.	2.0	51
39	Longitudinal changes in amyloid positron emission tomography and volumetric magnetic resonance imaging in the nondemented Down syndrome population. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2017, 9, 1-9.	1.2	49
40	Longitudinal in Vivo Positron Emission Tomography Imaging of Infected and Activated Brain Macrophages in a Macaque Model of Human Immunodeficiency Virus Encephalitis Correlates with Central and Peripheral Markers of Encephalitis and Areas of Synaptic Degeneration. <i>American Journal of Pathology</i> , 2008, 172, 1603-1616.	1.9	44
41	In Vivo Evidence for Low Striatal Vesicular Monoamine Transporter 2 (VMAT2) Availability in Cocaine Abusers. <i>American Journal of Psychiatry</i> , 2012, 169, 55-63.	4.0	44
42	Cell therapy for ARDS: efficacy of endobronchial versus intravenous administration and biodistribution of MAPCs in a large animal model. <i>BMJ Open Respiratory Research</i> , 2019, 6, e000308.	1.2	43
43	Direct Comparison of the Tau PET Tracers ¹⁸ F-Flortaucipir and ¹⁸ F-MK-6240 in Human Subjects. <i>Journal of Nuclear Medicine</i> , 2022, 63, 108-116.	2.8	39
44	PET imaging of brain macrophages using the peripheral benzodiazepine receptor in a macaque model of neuroAIDS. <i>Journal of Clinical Investigation</i> , 2004, 113, 981-989.	3.9	39
45	Effects of soy isoflavones on cognitive function: a systematic review and meta-analysis of randomized controlled trials. <i>Nutrition Reviews</i> , 2020, 78, 134-144.	2.6	38
46	Analyses of [¹⁸ F]altanserin bolus injection PET data. I: Consideration of radiolabeled metabolites in baboons. <i>Synapse</i> , 2001, 41, 1-10.	0.6	33
47	Sleep moderates the relationship between amyloid beta and memory recall. <i>Neurobiology of Aging</i> , 2018, 71, 142-148.	1.5	31
48	Radiosynthesis, <i>In Vitro</i> and <i>In Vivo</i> Evaluation of [¹⁸ F]CBD-2115 as a First-in-Class Radiotracer for Imaging 4R-Tauopathies. <i>ACS Chemical Neuroscience</i> , 2021, 12, 596-602.	1.7	29
49	Imaging of dopamine <i>D</i> _{2/3} agonist binding in cocaine dependence: A [¹¹ C]NPA positron emission tomography study. <i>Synapse</i> , 2011, 65, 1344-1349.	0.6	28
50	Nociceptin Receptors in Alcohol Use Disorders: A Positron Emission Tomography Study Using [¹¹ C]NOP-1A. <i>Biological Psychiatry</i> , 2018, 84, 708-714.	0.7	25
51	Positron emission tomography imaging of <i>D</i> _{2/3} agonist binding in healthy human subjects with the radiotracer [¹¹ C]N-propyl- <i>n</i> -orapomorphine: Preliminary evaluation and reproducibility studies. <i>Synapse</i> , 2009, 63, 574-584.	0.6	24
52	Alzheimer-Like Pattern of Hypometabolism Emerges with Elevated Amyloid- β Burden in Down Syndrome. <i>Journal of Alzheimer's Disease</i> , 2017, 61, 631-644.	1.2	23
53	Preventive immunization of aged and juvenile non-human primates to beta-amyloid. <i>Journal of Neuroinflammation</i> , 2012, 9, 84.	3.1	22
54	The use of Centiloids for applying [¹¹ C]PiB classification cutoffs across regional interest delineation methods. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 332-339.	1.2	22

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55	Peripheral inflammatory biomarkers predict the deposition and progression of amyloid- β^2 in cognitively unimpaired older adults. <i>Brain, Behavior, and Immunity</i> , 2021, 95, 178-189.	2.0	22
56	What Is T+? A Gordian Knot of Tracers, Thresholds, and Topographies. <i>Journal of Nuclear Medicine</i> , 2021, 62, 614-619.	2.8	21
57	Decreased Nociceptin Receptors Are Related to Resilience and Recovery in College Women Who Have Experienced Sexual Violence: Therapeutic Implications for Posttraumatic Stress Disorder. <i>Biological Psychiatry</i> , 2019, 85, 1056-1064.	0.7	19
58	Human Biodistribution and Dosimetry of the D2/3 Agonist 11C-N-Propylnorapomorphine (11C-NPA) Determined from PET. <i>Journal of Nuclear Medicine</i> , 2009, 50, 814-817.	2.8	17
59	Associations between NIH Toolbox Cognition Battery and <i>in vivo</i> brain amyloid and tau pathology in non-demented older adults. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12018.	1.2	17
60	Advances in PET Imaging of Degenerative, Cerebrovascular, and Traumatic Causes of Dementia. <i>Seminars in Nuclear Medicine</i> , 2016, 46, 57-87.	2.5	16
61	Decreased Vesicular Monoamine Transporter Type 2 Availability in the Striatum Following Chronic Cocaine Self-Administration in Nonhuman Primates. <i>Biological Psychiatry</i> , 2015, 77, 488-492.	0.7	15
62	Influence of apolipoprotein-E genotype on brain amyloid load and longitudinal trajectories. <i>Neurobiology of Aging</i> , 2020, 94, 111-120.	1.5	15
63	[18F]FDG, [11C]PIB, and [18F]AV-1451 PET Imaging of Neurodegeneration in Two Subjects With a History of Repetitive Trauma and Cognitive Decline. <i>Frontiers in Neurology</i> , 2019, 10, 831.	1.1	14
64	Predicting resistance to amyloid-beta deposition and cognitive resilience in the oldest-old. <i>Neurology</i> , 2020, 95, e984-e994.	1.5	14
65	Nociceptin Receptors Upregulated in Cocaine Use Disorder: A Positron Emission Tomography Imaging Study Using [¹¹ C]NOP-1A. <i>American Journal of Psychiatry</i> , 2019, 176, 468-476.	4.0	13
66	Comparison of longitudinal A β^2 in nondemented elderly and Down syndrome. <i>Neurobiology of Aging</i> , 2019, 73, 171-176.	1.5	13
67	P2-031 Amyloid deposits in transgenic PS1/APP mice do not bind the amyloid pet tracer, PIB, in the same manner as human brain amyloid. <i>Neurobiology of Aging</i> , 2004, 25, S232-S233.	1.5	12
68	Altered cerebellar and prefrontal cortex function in rhesus monkeys that previously self-administered cocaine. <i>Psychopharmacology</i> , 2014, 231, 4211-4218.	1.5	11
69	In vivo imaging in an ABSL-3 regional biocontainment laboratory. <i>Pathogens and Disease</i> , 2014, 71, 207-212.	0.8	10
70	Longitudinal Evaluation of Pulmonary Arterial Hypertension in a Rhesus Macaque (<i>Macaca mulatta</i>) Model of HIV Infection. <i>Comparative Medicine</i> , 2018, 68, 461-473.	0.4	10
71	Relationships Between Executive Control Circuit Activity, Amyloid Burden, and Education in Cognitively Healthy Older Adults. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1360-1371.	0.6	9
72	Acute Elevations in Cortisol Increase the <i>In Vivo</i> Binding of [11C]NOP-1A to Nociceptin Receptors: A Novel Imaging Paradigm to Study the Interaction Between Stress- and Antistress-Regulating Neuropeptides. <i>Biological Psychiatry</i> , 2020, 87, 570-576.	0.7	9

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73	Characterization of the Radiolabeled Metabolites of [¹⁸ F]Altanserin: Implications for Kinetic Modeling. , 1998, , 293-298.		8
74	Imaging phosphodiesterase ^{10a} availability in cocaine use disorder with [¹¹ C]IMA107 and PET. Synapse, 2019, 73, e22070.	0.6	7
75	Alzheimer TM s disease pathology in a community-based sample of older adults without dementia: The MYHAT neuroimaging study. Brain Imaging and Behavior, 2021, 15, 1355-1363.	1.1	7
76	Beyond monoamines: I. Novel targets and radiotracers for Positron emission tomography imaging in psychiatric disorders. Journal of Neurochemistry, 2023, 164, 364-400.	2.1	7
77	Amyloid deposition is associated with different patterns of hippocampal connectivity in men versus women. Neurobiology of Aging, 2019, 76, 141-150.	1.5	6
78	Development of a PET radioligand selective for cerebral amyloid angiopathy. Nuclear Medicine and Biology, 2021, 92, 85-96.	0.3	6
79	Human Biodistribution and Dosimetry of the PET Radioligand [¹¹ C]Flumazenil (FMZ). Molecular Imaging and Biology, 2012, 14, 115-122.	1.3	5
80	The Relationship of Current Cognitive Activity to Brain Amyloid Burden and Glucose Metabolism. American Journal of Geriatric Psychiatry, 2018, 26, 977-984.	0.6	5
81	An Effect of Education on Memory-Encoding Activation in Subjective Cognitive Decline. Journal of Alzheimer's Disease, 2021, 81, 1065-1078.	1.2	5
82	2- ¹⁸ F-Fluoroacetate: A Useful Tool for Assessing Gliosis in the Central Nervous System?. Journal of Nuclear Medicine, 2009, 50, 841-843.	2.8	4
83	Imaging beta-amyloid (A ²) burden in the brains of middle-aged individuals with alcohol-use disorders: a [¹¹ C]PIB PET study. Translational Psychiatry, 2021, 11, 257.	2.4	3
84	Association between lower body temperature and increased tau pathology in cognitively normal older adults. Neurobiology of Disease, 2022, 171, 105748.	2.1	3
85	Imaging the influence of red blood cell docosahexaenoic acid status on the expression of the 18KDa translocator protein in the brain: a [¹¹ C]PBR28 PET study in young healthy males. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, , .	1.1	2
86	Beyond monoamines: II. Novel applications for PET imaging in psychiatric disorders. Journal of Neurochemistry, 2023, 164, 401-443.	2.1	2
87	Imaging Inflammation. , 2005, , 445-461.		1
88	Test ^{retest} variability of serotonin 5-HT _{2A} receptor binding measured with positron emission tomography and [¹⁸ F]altanserin in the human brain. , 1998, 30, 380.		1
89	Brain health correlates of mobility-related confidence. Experimental Gerontology, 2022, 163, 111776.	1.2	1
90	O ₂ ³ ⁶ : PREDICTING RESILIENCY AGAINST AMYLOID ^B DEPOSITION, COGNITIVE IMPAIRMENT, AND THEIR COMBINATION IN THE OLDEST ^{OLD} . Alzheimer's and Dementia, 2018, 14, P619.	0.4	0

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91	ICâ€Pâ€210: COMPARISON OF IN VIVO [Fâ€18]AVâ€1451 OFFâ€TARGET RETENTION IN AFRICANâ€AMERICANS AND CAUCASIANS. Alzheimer's and Dementia, 2018, 14, P173.	0.4	0
92	P1â€421: COMPARISON OF STRIATAL LONGITUDINAL CHANGES IN AMYLOID DEPOSITION IN NONâ€DEMENTED ELDERLY AND DOWN SYNDROME. Alzheimer's and Dementia, 2018, 14, P467.	0.4	0
93	P1â€429: COMPARISON OF IN VIVO [Fâ€18]AVâ€1451 OFFâ€TARGET RETENTION IN AFRICAN AMERICANS AND CAUCASIANS. Alzheimer's and Dementia, 2018, 14, P473.	0.4	0
94	P4â€631: ALZHEIMER'S DISEASE PATHOLOGY IN A COMMUNITYâ€BASED SAMPLE OF OLDER ADULTS WITHOUT DEMENTIA: A POPULATIONâ€NEUROSCIENCE APPROACH. Alzheimer's and Dementia, 2019, 15, P1569.	0.4	0
95	Comparing Pathological Risk Factors for Dementia between Cognitively Normal Japanese and Americans. Brain Sciences, 2021, 11, 1180.	1.1	0
96	PET imaging of 5-HT1A receptors in late-life depression: Relationship to treatment response. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S323-S323.	2.4	0
97	The highâ€affinity peripheral benzodiazepine receptor ligand [11C]DAA1106 can be used to image microglia in animal models of Parkinson's disease and neuroinflammation in vivo using PET.. FASEB Journal, 2007, 21, A29.	0.2	0