

Stina Syvnen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57
papers

1,803
citations

23
h-index

42
g-index

61
ext. papers

2,234
ext. citations

5.6
avg, IF

4.93
L-index

#	Paper	IF	Citations
57	On the rate and extent of drug delivery to the brain. <i>Pharmaceutical Research</i> , 2008 , 25, 1737-50	4.5	352
56	Species differences in blood-brain barrier transport of three positron emission tomography radioligands with emphasis on P-glycoprotein transport. <i>Drug Metabolism and Disposition</i> , 2009 , 37, 635-43	4.3	258
55	Antibody-based PET imaging of amyloid beta in mouse models of Alzheimer's disease. <i>Nature Communications</i> , 2016 , 7, 10759	17.4	105
54	Bivalent Brain Shuttle Increases Antibody Uptake by Monovalent Binding to the Transferrin Receptor. <i>Theranostics</i> , 2017 , 7, 308-318	12.1	79
53	Advances in PET imaging of P-glycoprotein function at the blood-brain barrier. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 225-37	5.7	54
52	Pharmacokinetic consequences of active drug efflux at the blood-brain barrier. <i>Pharmaceutical Research</i> , 2006 , 23, 705-17	4.5	53
51	Duration and degree of cyclosporin induced P-glycoprotein inhibition in the rat blood-brain barrier can be studied with PET. <i>NeuroImage</i> , 2006 , 32, 1134-41	7.9	50
50	Delineating Amyloid Plaque Associated Neuronal Sphingolipids in Transgenic Alzheimer's Disease Mice (tgArcSwe) Using MALDI Imaging Mass Spectrometry. <i>ACS Chemical Neuroscience</i> , 2017 , 8, 347-355	5.7	46
49	Specific uptake of an amyloid- β protofibril-binding antibody-tracer in A β P transgenic mouse brain. <i>Journal of Alzheimer's Disease</i> , 2013 , 37, 29-40	4.3	43
48	(R)-[¹¹ C]verapamil PET studies to assess changes in P-glycoprotein expression and functionality in rat blood-brain barrier after exposure to kainate-induced status epilepticus. <i>BMC Medical Imaging</i> , 2011 , 11, 1	2.9	38
47	(R)-[¹¹ C]PK11195 brain uptake as a biomarker of inflammation and antiepileptic drug resistance: evaluation in a rat epilepsy model. <i>Neuropharmacology</i> , 2014 , 85, 104-12	5.5	34
46	Astroglial Responses to Amyloid-Beta Progression in a Mouse Model of Alzheimer's Disease. <i>Molecular Imaging and Biology</i> , 2018 , 20, 605-614	3.8	31
45	Efficient and inexpensive transient expression of multispecific multivalent antibodies in Expi293 cells. <i>Biological Procedures Online</i> , 2017 , 19, 11	8.3	31
44	Pyroglutamation of amyloid- β 42 (A β 42) followed by A β 40 deposition underlies plaque polymorphism in progressing Alzheimer's disease pathology. <i>Journal of Biological Chemistry</i> , 2019 , 294, 6719-6732	5.4	30
43	A bispecific Tribody PET radioligand for visualization of amyloid-beta protofibrils - a new concept for neuroimaging. <i>NeuroImage</i> , 2017 , 148, 55-63	7.9	28
42	Efficient clearance of A β protofibrils in A β P-transgenic mice treated with a brain-penetrating bifunctional antibody. <i>Alzheimer's Research and Therapy</i> , 2018 , 10, 49	9	28
41	[¹¹ C]phenytoin revisited: synthesis by [¹¹ C]CO carbonylation and first evaluation as a P-gp tracer in rats. <i>EJNMMI Research</i> , 2012 , 2, 36	3.6	28

40	Engineered antibodies: new possibilities for brain PET?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 2848-2858	8.8	27
39	Probing amyloid- β pathology in transgenic Alzheimer's disease (tgArcSwe) mice using MALDI imaging mass spectrometry. <i>Journal of Neurochemistry</i> , 2016 , 138, 469-78	6	26
38	Using PET studies of P-gp function to elucidate mechanisms underlying the disposition of drugs. <i>Current Topics in Medicinal Chemistry</i> , 2010 , 10, 1799-809	3	26
37	High detection sensitivity with antibody-based PET radioligand for amyloid beta in brain. <i>NeuroImage</i> , 2019 , 184, 881-888	7.9	25
36	Altered GABAA receptor density and unaltered blood-brain barrier transport in a kainate model of epilepsy: an in vivo study using ¹¹ C-flumazenil and PET. <i>Journal of Nuclear Medicine</i> , 2012 , 53, 1974-83	8.9	24
35	Antibody-Based In Vivo PET Imaging Detects Amyloid- β Reduction in Alzheimer Transgenic Mice After BACE-1 Inhibition. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1885-1891	8.9	23
34	Pharmacokinetics, biodistribution and brain retention of a bispecific antibody-based PET radioligand for imaging of amyloid- β . <i>Scientific Reports</i> , 2017 , 7, 17254	4.9	23
33	Alteration in P-glycoprotein functionality affects intrabrain distribution of quinidine more than brain entry—a study in rats subjected to status epilepticus by kainate. <i>AAPS Journal</i> , 2012 , 14, 87-96	3.7	23
32	Pharmacokinetics of P-glycoprotein inhibition in the rat blood-brain barrier. <i>Journal of Pharmaceutical Sciences</i> , 2008 , 97, 5386-400	3.9	23
31	Intact blood-brain barrier transport of small molecular drugs in animal models of amyloid beta and alpha-synuclein pathology. <i>Neuropharmacology</i> , 2018 , 128, 482-491	5.5	23
30	Brain mGluR5 in mice with amyloid beta pathology studied with in vivo [¹¹ C]ABP688 PET imaging and ex vivo immunoblotting. <i>Neuropharmacology</i> , 2017 , 113, 293-300	5.5	21
29	Blood-brain barrier integrity in a mouse model of Alzheimer's disease with or without acute 3D6 immunotherapy. <i>Neuropharmacology</i> , 2018 , 143, 1-9	5.5	21
28	Combined PET and microdialysis for in vivo estimation of drug blood-brain barrier transport and brain unbound concentrations. <i>NeuroImage</i> , 2017 , 155, 177-186	7.9	20
27	[¹¹ C]quinidine and [¹¹ C]laniquidar PET imaging in a chronic rodent epilepsy model: impact of epilepsy and drug-responsiveness. <i>Nuclear Medicine and Biology</i> , 2013 , 40, 764-75	2.1	20
26	SPECT imaging of distribution and retention of a brain-penetrating bispecific amyloid- β antibody in a mouse model of Alzheimer's disease. <i>Translational Neurodegeneration</i> , 2020 , 9, 37	10.3	18
25	Brain delivery of biologics using a cross-species reactive transferrin receptor 1 VNAR shuttle. <i>FASEB Journal</i> , 2020 , 34, 13272-13283	0.9	18
24	Cationization increases brain distribution of an amyloid-beta protofibril selective F(ab) ₂ fragment. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 493, 120-125	3.4	17
23	Synthesis and preclinical evaluation of [¹¹ C]D617, a metabolite of (R)-[¹¹ C]verapamil. <i>Nuclear Medicine and Biology</i> , 2012 , 39, 530-9	2.1	15

22	Pharmacokinetic modeling of P-glycoprotein function at the rat and human blood-brain barriers studied with (R)-[¹¹ C]verapamil positron emission tomography. <i>EJNMMI Research</i> , 2012 , 2, 58	3.6	15
21	[¹¹ C]Flumazenil brain uptake is influenced by the blood-brain barrier efflux transporter P-glycoprotein. <i>EJNMMI Research</i> , 2012 , 2, 12	3.6	15
20	Long-Term Effects of Traumatic Brain Injury in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019 , 72, 161-180	4.3	13
19	Brain pharmacokinetics of two BBB penetrating bispecific antibodies of different size. <i>Fluids and Barriers of the CNS</i> , 2021 , 18, 26	7	9
18	Pinpointing Brain TREM2 Levels in Two Mouse Models of Alzheimer's Disease. <i>Molecular Imaging and Biology</i> , 2021 , 23, 665-675	3.8	9
17	Chemical imaging of evolving amyloid plaque pathology and associated A β peptide aggregation in a transgenic mouse model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2020 , 152, 602-616	6	8
16	Enhanced neprilysin-mediated degradation of hippocampal A β 2 with a somatostatin peptide that enters the brain. <i>Theranostics</i> , 2021 , 11, 789-804	12.1	8
15	In vivo imaging of synaptic density with [¹¹ C]UCB-J PET in two mouse models of neurodegenerative disease. <i>NeuroImage</i> , 2021 , 239, 118302	7.9	8
14	Simultaneous in vivo measurements of receptor density and affinity using [¹¹ C]flumazenil and positron emission tomography: comparison of full saturation and steady state methods. <i>NeuroImage</i> , 2011 , 57, 928-37	7.9	7
13	Fluorine-18-Labeled Antibody Ligands for PET Imaging of Amyloid- β in Brain. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 4460-4468	5.7	7
12	Blocking of efflux transporters in rats improves translational validation of brain radioligands. <i>EJNMMI Research</i> , 2020 , 10, 124	3.6	5
11	C-PIB and I-antibody PET provide differing estimates of brain amyloid-beta after therapeutic intervention. <i>Journal of Nuclear Medicine</i> , 2021 ,	8.9	4
10	Synthesis and preliminary preclinical evaluation of fluorine-18 labelled isatin-4-(4-methoxyphenyl)-3-thiosemicarbazone ([F] ¹⁸ FIMPTC) as a novel PET tracer of P-glycoprotein expression. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2018 , 3, 11	5.8	4
9	Brain Distribution of Drugs: Pharmacokinetic Considerations. <i>Handbook of Experimental Pharmacology</i> , 2020 , 1	3.2	3
8	Passive and receptor mediated brain delivery of an anti-GFAP nanobody.. <i>Nuclear Medicine and Biology</i> , 2022 ,	2.1	2
7	Advances in the development of new biomarkers for Alzheimer's disease.. <i>Translational Neurodegeneration</i> , 2022 , 11, 25	10.3	2
6	In vivo imaging of alpha-synuclein with antibody-based PET.. <i>Neuropharmacology</i> , 2022 , 208, 108985	5.5	1
5	In Vivo Studies of Drug BBB Transport: Translational Challenges and the Role of Brain Imaging. <i>Handbook of Experimental Pharmacology</i> , 2021 , 1	3.2	1

4	Wide-Ranging Effects on the Brain Proteome in a Transgenic Mouse Model of Alzheimer's Disease Following Treatment with a Brain-Targeting Somatostatin Peptide. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 2529-2541	5.7	1
3	PET Imaging in Preclinical Anti-AD Drug Development.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	0
2	Transferrin Receptor Binding BBB-Shuttle Facilitates Brain Delivery of Anti-Aβ Affibodies.. <i>Pharmaceutical Research</i> , 2022 , 1	4.5	0
1	Principles of PET and Its Role in Understanding Drug Delivery to the Brain. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2022 , 329-352	0.5	