

# Dag Sehlin

## List of Publications by Year in Descending Order

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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.

48  
papers

1,410  
citations

23  
h-index

37  
g-index

52  
ext. papers

1,870  
ext. citations

6.5  
avg, IF

4.75  
L-index

#	Paper	IF	Citations
48	In vivo imaging of alpha-synuclein with antibody-based PET.. <i>Neuropharmacology</i> , <b>2022</b> , 208, 108985	5.5	1
47	Passive and receptor mediated brain delivery of an anti-GFAP nanobody.. <i>Nuclear Medicine and Biology</i> , <b>2022</b> ,	2.1	2
46	PET Imaging in Preclinical Anti-A $\beta$ Drug Development.. <i>Pharmaceutical Research</i> , <b>2022</b> , 1	4.5	0
45	Transferrin Receptor Binding BBB-Shuttle Facilitates Brain Delivery of Anti-A $\beta$ Affibodies.. <i>Pharmaceutical Research</i> , <b>2022</b> , 1	4.5	0
44	C-PIB and I-antibody PET provide differing estimates of brain amyloid-beta after therapeutic intervention. <i>Journal of Nuclear Medicine</i> , <b>2021</b> ,	8.9	4
43	Brain pharmacokinetics of two BBB penetrating bispecific antibodies of different size. <i>Fluids and Barriers of the CNS</i> , <b>2021</b> , 18, 26	7	9
42	Enhanced neprilysin-mediated degradation of hippocampal A $\beta$ 2 with a somatostatin peptide that enters the brain. <i>Theranostics</i> , <b>2021</b> , 11, 789-804	12.1	8
41	Pinpointing Brain TREM2 Levels in Two Mouse Models of Alzheimer[s Disease. <i>Molecular Imaging and Biology</i> , <b>2021</b> , 23, 665-675	3.8	9
40	The deletion causes early onset autosomal dominant Alzheimer[s disease by altering APP processing and increasing amyloid [fibril formation. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	7
39	Novel multivalent design of a monoclonal antibody improves binding strength to soluble aggregates of amyloid beta. <i>Translational Neurodegeneration</i> , <b>2021</b> , 10, 38	10.3	0
38	In vivo imaging of synaptic density with [C]UCB-J PET in two mouse models of neurodegenerative disease. <i>NeuroImage</i> , <b>2021</b> , 239, 118302	7.9	8
37	Chemical imaging of evolving amyloid plaque pathology and associated A $\beta$ peptide aggregation in a transgenic mouse model of Alzheimer[s disease. <i>Journal of Neurochemistry</i> , <b>2020</b> , 152, 602-616	6	8
36	SPECT imaging of distribution and retention of a brain-penetrating bispecific amyloid-[antibody in a mouse model of Alzheimer[s disease. <i>Translational Neurodegeneration</i> , <b>2020</b> , 9, 37	10.3	18
35	Fluorine-18-Labeled Antibody Ligands for PET Imaging of Amyloid-[in Brain. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 4460-4468	5.7	7
34	Extracellular vesicles from amyloid-[exposed cell cultures induce severe dysfunction in cortical neurons. <i>Scientific Reports</i> , <b>2020</b> , 10, 19656	4.9	8
33	Brain delivery of biologics using a cross-species reactive transferrin receptor 1 VNAR shuttle. <i>FASEB Journal</i> , <b>2020</b> , 34, 13272-13283	0.9	18
32	Long-Term Effects of Traumatic Brain Injury in a Mouse Model of Alzheimer[s Disease. <i>Journal of Alzheimer[s Disease</i> , <b>2019</b> , 72, 161-180	4.3	13

31	Heterogeneous drug tissue binding in brain regions of rats, Alzheimer[s patients and controls: impact on translational drug development. <i>Scientific Reports</i> , <b>2019</b> , 9, 5308	4.9	11
30	Engineered antibodies: new possibilities for brain PET?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2019</b> , 46, 2848-2858	8.8	27
29	Pyroglutamation of amyloid- $\beta$ -42 (A $\beta$ -42) followed by A $\beta$ -40 deposition underlies plaque polymorphism in progressing Alzheimer[s disease pathology. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 6719-6732	5.4	30
28	High detection sensitivity with antibody-based PET radioligand for amyloid beta in brain. <i>NeuroImage</i> , <b>2019</b> , 184, 881-888	7.9	25
27	Brain tissue A $\beta$ 2 levels are linked to shunt response in idiopathic normal pressure hydrocephalus. <i>Journal of Neurosurgery</i> , <b>2018</b> , 130, 121-129	3.2	18
26	Astroglial Responses to Amyloid-Beta Progression in a Mouse Model of Alzheimer[s Disease. <i>Molecular Imaging and Biology</i> , <b>2018</b> , 20, 605-614	3.8	31
25	The A $\beta$ protofibril selective antibody mAb158 prevents accumulation of A $\beta$ n astrocytes and rescues neurons from A $\beta$ induced cell death. <i>Journal of Neuroinflammation</i> , <b>2018</b> , 15, 98	10.1	24
24	Efficient clearance of A $\beta$ protofibrils in A $\beta$ PP-transgenic mice treated with a brain-penetrating bifunctional antibody. <i>Alzheimer[s Research and Therapy</i> , <b>2018</b> , 10, 49	9	28
23	Antibody-Based In Vivo PET Imaging Detects Amyloid- $\beta$ Reduction in Alzheimer Transgenic Mice After BACE-1 Inhibition. <i>Journal of Nuclear Medicine</i> , <b>2018</b> , 59, 1885-1891	8.9	23
22	Secretion and Uptake of $\beta$ Synuclein Via Extracellular Vesicles in Cultured Cells. <i>Cellular and Molecular Neurobiology</i> , <b>2018</b> , 38, 1539-1550	4.6	42
21	Blood-brain barrier integrity in a mouse model of Alzheimer[s disease with or without acute 3D6 immunotherapy. <i>Neuropharmacology</i> , <b>2018</b> , 143, 1-9	5.5	21
20	A bispecific Tribody PET radioligand for visualization of amyloid-beta protofibrils - a new concept for neuroimaging. <i>NeuroImage</i> , <b>2017</b> , 148, 55-63	7.9	28
19	Brain mGluR5 in mice with amyloid beta pathology studied with in vivo [C]ABP688 PET imaging and ex vivo immunoblotting. <i>Neuropharmacology</i> , <b>2017</b> , 113, 293-300	5.5	21
18	Delineating Amyloid Plaque Associated Neuronal Sphingolipids in Transgenic Alzheimer[s Disease Mice (tgArcSwe) Using MALDI Imaging Mass Spectrometry. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 347-355	5.7	46
17	Cationization increases brain distribution of an amyloid-beta protofibril selective F(ab) fragment. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 493, 120-125	3.4	17
16	Pharmacokinetics, biodistribution and brain retention of a bispecific antibody-based PET radioligand for imaging of amyloid- $\beta$ . <i>Scientific Reports</i> , <b>2017</b> , 7, 17254	4.9	23
15	Efficient and inexpensive transient expression of multispecific multivalent antibodies in Expi293 cells. <i>Biological Procedures Online</i> , <b>2017</b> , 19, 11	8.3	31
14	Bivalent Brain Shuttle Increases Antibody Uptake by Monovalent Binding to the Transferrin Receptor. <i>Theranostics</i> , <b>2017</b> , 7, 308-318	12.1	79

13	Antibody-based PET imaging of amyloid beta in mouse models of Alzheimer[s disease. <i>Nature Communications</i> , <b>2016</b> , 7, 10759	17.4	105
12	Accumulation of amyloid- $\beta$ by astrocytes result in enlarged endosomes and microvesicle-induced apoptosis of neurons. <i>Molecular Neurodegeneration</i> , <b>2016</b> , 11, 38	19	115
11	Increased Number of Plasma B Cells Producing Autoantibodies Against A $\beta$ 2 Protofibrils in Alzheimer[s Disease. <i>Journal of Alzheimer[s Disease</i> , <b>2015</b> , 48, 63-72	4.3	29
10	Perspectives on future Alzheimer therapies: amyloid- $\beta$ protofibrils - a new target for immunotherapy with BAN2401 in Alzheimer[s disease. <i>Alzheimer[s Research and Therapy</i> , <b>2014</b> , 6, 16	9	96
9	Increased inflammatory response in cytomegalovirus seropositive patients with Alzheimer[s disease. <i>PLoS ONE</i> , <b>2014</b> , 9, e96779	3.7	25
8	Apolipoprotein E increases cell association of amyloid- $\beta$ 40 through heparan sulfate and LRP1 dependent pathways. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , <b>2014</b> , 21, 76-87	2.7	10
7	Specific uptake of an amyloid- $\beta$ protofibril-binding antibody-tracer in A $\beta$ transgenic mouse brain. <i>Journal of Alzheimer[s Disease</i> , <b>2013</b> , 37, 29-40	4.3	43
6	Large aggregates are the major soluble A $\beta$ species in AD brain fractionated with density gradient ultracentrifugation. <i>PLoS ONE</i> , <b>2012</b> , 7, e32014	3.7	59
5	Heavy-chain complementarity-determining regions determine conformation selectivity of anti-a $\beta$ antibodies. <i>Neurodegenerative Diseases</i> , <b>2011</b> , 8, 117-23	2.3	17
4	Interference from heterophilic antibodies in amyloid- $\beta$ oligomer ELISAs. <i>Journal of Alzheimer[s Disease</i> , <b>2010</b> , 21, 1295-301	4.3	46
3	Sensitive detection of A $\beta$ protofibrils by proximity ligation--relevance for Alzheimer[s disease. <i>BMC Neuroscience</i> , <b>2010</b> , 11, 124	3.2	32
2	An amyloid-beta protofibril-selective antibody prevents amyloid formation in a mouse model of Alzheimer[s disease. <i>Neurobiology of Disease</i> , <b>2009</b> , 36, 425-34	7.5	66
1	Sensitive ELISA detection of amyloid-beta protofibrils in biological samples. <i>Journal of Neurochemistry</i> , <b>2007</b> , 103, 334-45	6	122