

Stephen H Pasternak

List of Publications by Year in descending order

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54
papers

2,057
citations

394421

19
h-index

243625

44
g-index

58
all docs

58
docs citations

58
times ranked

2933
citing authors

#	ARTICLE	IF	CITATIONS
1	Ataxia in prion protein (PrP)-deficient mice is associated with upregulation of the novel PrP-like protein doppel. <i>Journal of Molecular Biology</i> , 1999, 292, 797-817.	4.2	479
2	Presenilin-1, Nicastrin, Amyloid Precursor Protein, and β -Secretase Activity Are Co-localized in the Lysosomal Membrane. <i>Journal of Biological Chemistry</i> , 2003, 278, 26687-26694.	3.4	269
3	The effects of oxytocin on social cognition and behaviour in frontotemporal dementia. <i>Brain</i> , 2011, 134, 2493-2501.	7.6	116
4	The role of the endosomal/ lysosomal system in amyloid-beta production and the pathophysiology of Alzheimer's disease: Reexamining the spatial paradox from a lysosomal perspective. <i>Journal of Alzheimer's Disease</i> , 2003, 6, 53-65.	2.6	107
5	Four-pool modeling of proton exchange processes in biological systems in the presence of MRI-paramagnetic chemical exchange saturation transfer (PARACEST) agents. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1197-1206.	3.0	106
6	Ambroxol as a novel disease-modifying treatment for Parkinson's disease dementia: protocol for a single-centre, randomized, double-blind, placebo-controlled trial. <i>BMC Neurology</i> , 2019, 19, 20.	1.8	92
7	Oxytocin for frontotemporal dementia. <i>Neurology</i> , 2015, 84, 174-181.	1.1	83
8	The Amyloid Precursor Protein is rapidly transported from the Golgi apparatus to the lysosome and where it is processed into beta-amyloid. <i>Molecular Brain</i> , 2014, 7, 54.	2.6	60
9	Rapid and Direct Transport of Cell Surface APP to the Lysosome defines a novel selective pathway. <i>Molecular Brain</i> , 2010, 3, 11.	2.6	59
10	Amyloid and Alzheimer's Disease: Inside and Out. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 286-298.	0.5	56
11	Oligomeric aggregates of amyloid β peptide 1-42 activate ERK/MAPK in SH-SY5Y cells via the $\alpha 7$ nicotinic receptor. <i>Neurochemistry International</i> , 2009, 55, 796-801.	3.8	47
12	MliSR: Molecular Interactions in Super-Resolution Imaging Enables the Analysis of Protein Interactions, Dynamics and Formation of Multi-protein Structures. <i>PLoS Computational Biology</i> , 2015, 11, e1004634.	3.2	47
13	A paramagnetic chemical exchange-based MRI probe metabolized by cathepsin D: design, synthesis and cellular uptake studies. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2560.	2.8	43
14	Nicastrin is a resident lysosomal membrane protein. <i>Biochemical and Biophysical Research Communications</i> , 2003, 300, 615-618.	2.1	40
15	Reduced Hippocampal Glutamate and Posterior Cingulate N-Acetyl Aspartate in Mild Cognitive Impairment and Alzheimer's Disease Is Associated with Episodic Memory Performance and White Matter Integrity in the Cingulum: A Pilot Study. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1385-1405.	2.6	37
16	Depressive Symptoms Negatively Impact Montreal Cognitive Assessment Performance: A Memory Clinic Experience. <i>Canadian Journal of Neurological Sciences</i> , 2016, 43, 513-517.	0.5	36
17	Arf6 controls beta-amyloid production by regulating macropinocytosis of the Amyloid Precursor Protein to lysosomes. <i>Molecular Brain</i> , 2015, 8, 41.	2.6	29
18	Quantitative image analysis for developing microstructural descriptions of heterogeneous materials. <i>Chemical Engineering Science</i> , 1987, 42, 1989-2004.	3.8	28

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19	Tyrosine Binding Protein Sites Regulate the Intracellular Trafficking and Processing of Amyloid Precursor Protein through a Novel Lysosome-Directed Pathway. <i>PLoS ONE</i> , 2016, 11, e0161445.	2.5	25
20	Acute-Onset Anterograde Amnesia Caused by Isolated Bilateral Fornix Infarction. <i>Canadian Journal of Neurological Sciences</i> , 2013, 40, 738-739.	0.5	17
21	Detection of Active Caspase-3 in Mouse Models of Stroke and Alzheimer's Disease with a Novel Dual Positron Emission Tomography/Fluorescent Tracer [⁶⁸ Ga]Ga-TC3-OGDOTA. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-17.	0.8	17
22	A dual magnetic resonance imaging/fluorescent contrast agent for Cathepsin D detection. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 127-139.	0.8	15
23	Characteristics of the Ontario Neurodegenerative Disease Research Initiative cohort. <i>Alzheimer's and Dementia</i> , 2023, 19, 226-243.	0.8	15
24	Amino-Terminal β -Amyloid Antibody Blocks β -Amyloid-Mediated Inhibition of the High-Affinity Choline Transporter CHT. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 361.	2.9	14
25	Contribution of rare variant associations to neurodegenerative disease presentation. <i>Npj Genomic Medicine</i> , 2021, 6, 80.	3.8	14
26	Unravelling the Mechanism of TrkA-Induced Cell Death by Macropinocytosis in Medulloblastoma Daoy Cells. <i>Molecular and Cellular Biology</i> , 2016, 36, 2596-2611.	2.3	13
27	Post-mortem 7 Tesla MRI detection of white matter hyperintensities: A multidisciplinary voxel-wise comparison of imaging and histological correlates. <i>NeuroImage: Clinical</i> , 2020, 27, 102340.	2.7	13
28	Increased levels of Stress-inducible phosphoprotein-1 accelerates amyloid- β deposition in a mouse model of Alzheimer's disease. <i>Acta Neuropathologica Communications</i> , 2020, 8, 143.	5.2	13
29	Characterization of ovarian cancer-derived extracellular vesicles by surface-enhanced Raman spectroscopy. <i>Analyst</i> , 2021, 146, 7194-7206.	3.5	13
30	Detection and Differentiation of Frontotemporal Dementia and Related Disorders From Alzheimer Disease Using the Montreal Cognitive Assessment. <i>Alzheimer Disease and Associated Disorders</i> , 2016, 30, 258-263.	1.3	12
31	Multilevel, ultra-large-volume epidural blood patch for the treatment of neurocognitive decline associated with spontaneous intracranial hypotension: case report. <i>Journal of Neurosurgery</i> , 2018, 129, 205-210.	1.6	12
32	The fibroblast growth factor receptor substrate 3 adapter is a developmentally regulated microtubule-associated protein expressed in migrating and differentiated neurons. <i>Journal of Neurochemistry</i> , 2010, 112, 924-939.	3.9	11
33	MRI-visible perivascular space volumes, sleep duration and daytime dysfunction in adults with cerebrovascular disease. <i>Sleep Medicine</i> , 2021, 83, 83-88.	1.6	11
34	Prolonged In Vivo Retention of a Cathepsin D Targeted Optical Contrast Agent in a Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 48, 73-87.	2.6	10
35	Differential regulation of the high-affinity choline transporter by wild-type and Swedish mutant amyloid precursor protein. <i>Journal of Neurochemistry</i> , 2015, 134, 769-782.	3.9	9
36	Structural Brain Magnetic Resonance Imaging to Rule Out Comorbid Pathology in the Assessment of Alzheimer's Disease Dementia: Findings from the Ontario Neurodegenerative Disease Research Initiative (ONDRI) Study and Clinical Trials Over the Past 10 Years. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 747-757.	2.6	9

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37	Financial capacity in frontotemporal dementia and related presentations. <i>Journal of Neurology</i> , 2019, 266, 1698-1707.	3.6	8
38	Association of apolipoprotein E variation with cognitive impairment across multiple neurodegenerative diagnoses. <i>Neurobiology of Aging</i> , 2021, 105, 378.e1-378.e9.	3.1	8
39	An Aspartyl Cathepsin Targeted PET Agent: Application in an Alzheimer's Disease Mouse Model. <i>Journal of Alzheimer's Disease</i> , 2018, 61, 1241-1252.	2.6	7
40	Ultrafiltration and Injection of Islet Regenerative Stimuli Secreted by Pancreatic Mesenchymal Stromal Cells. <i>Stem Cells and Development</i> , 2021, 30, 247-264.	2.1	7
41	Association between Montreal Cognitive Assessment Sub-Item Scores and Corresponding Cognitive Test Performance in Patients with Frontotemporal Dementia and Related Disorders. <i>Dementia and Geriatric Cognitive Disorders</i> , 2017, 43, 170-179.	1.5	6
42	Microvessel stenosis, enlarged perivascular spaces, and fibrinogen deposition are associated with ischemic periventricular white matter hyperintensities. <i>Brain Pathology</i> , 2022, 32, e13017.	4.1	6
43	Microstructural Models for Diffusive Transport in Porous Polymers. <i>ACS Symposium Series</i> , 1987, , 16-33.	0.5	5
44	Imaging the Intracellular Trafficking of APP with Photoactivatable GFP. <i>Journal of Visualized Experiments</i> , 2015, , e53153.	0.3	5
45	Regional Lipid Expression Abnormalities Identified Using MALDI IMS Correspond to MRI-Defined White Matter Hyperintensities within Post-mortem Human Brain Tissues. <i>Analytical Chemistry</i> , 2021, 93, 2652-2659.	6.5	5
46	The extracellular domain of CD11d regulates its cell surface expression. <i>Journal of Leukocyte Biology</i> , 2009, 86, 851-862.	3.3	4
47	Neuropathology of Perry Syndrome: Evidence of Medullary and Hypothalamic Involvement. <i>Movement Disorders Clinical Practice</i> , 2021, 8, 713-716.	1.5	3
48	Targeted copy number variant identification across the neurodegenerative disease spectrum. <i>Molecular Genetics & Genomic Medicine</i> , 0, , .	1.2	3
49	Case Report of a 63-Year-Old Patient With Alzheimer Disease and a Novel Presenilin 2 Mutation. <i>Alzheimer Disease and Associated Disorders</i> , 2019, 33, 166-169.	1.3	2
50	The Predictive Value of Endpoint Quaking-Induced Conversion in Creutzfeldt-Jakob Disease. <i>Canadian Journal of Neurological Sciences</i> , 2019, 46, 595-598.	0.5	1
51	Disentangling Reversal-learning Impairments in Frontotemporal Dementia and Alzheimer Disease. <i>Cognitive and Behavioral Neurology</i> , 2022, Publish Ahead of Print, .	0.9	1
52	P1-067: AMBROXOL AS PHARMACOLOGICAL CHAPERONE TARGETING GBA1 AS A DISEASE MODIFYING TREATMENT FOR PARKINSON'S DISEASE DEMENTIA: A PHASE 2 RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL. <i>Alzheimer's and Dementia</i> , 2018, 14, P296.	0.8	0
53	Comparison of Behavior-Related Features in the MMSE Sentence in Behavioral Variant Frontotemporal Dementia and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 733153.	3.4	0
54	Neuroinflammatory and Neurodegenerative Markers in Non-Hodgkin's Lymphoma and Hematologic Malignancies with Central Nervous System Involvement. <i>Blood</i> , 2008, 112, 2829-2829.	1.4	0