Stanley M Parsons

List of Publications by Year
in descending order

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115	3,220	182225	206121
papers	citations	30 h-index	51 g-index

116	116	116	1700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The impact of dopamine D2-like agonist/antagonist on [18F]VAT PET measurement of VAChT in the brain of nonhuman primates. European Journal of Pharmaceutical Sciences, 2020, 143, 105152.	1.9	4
2	Kinetics aspects of Gamma-hydroxybutyrate dehydrogenase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140376.	1.1	1
3	Kinetic modeling of [¹⁸F]V<scp>AT</scp>, a novel radioligand for positron emission tomography imaging vesicular acetylcholine transporter in nonâ€human primate brain. Journal of Neurochemistry, 2018, 144, 791-804.	2.1	21
4	Radiosynthesis and evaluation of a fluorine-18 labeled radioligand targeting vesicular acetylcholine transporter. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3425-3430.	1.0	2
5	Exploration of Sulfurâ€Containing Analogues for Imaging Vesicular Acetylcholine Transporter in the Brain. ChemMedChem, 2018, 13, 1978-1987.	1.6	3
6	Chiral resolution of serial potent and selective Ïƒ 1 ligands and biological evaluation of (â^')-[18 F] TZ3108 in rodent and the nonhuman primate brain. Bioorganic and Medicinal Chemistry, 2017, 25, 1533-1542.	1.4	4
7	Vesicular acetylcholine transporter defect underlies devastating congenital myasthenia syndrome. Neurology, 2017, 88, 1021-1028.	1.5	25
8	Synthesis, resolution, and in vitro evaluation of three vesicular acetylcholine transporter ligands and evaluation of the lead fluorine-18 radioligand in a nonhuman primate. Organic and Biomolecular Chemistry, 2017, 15, 5197-5209.	1.5	7
9	Kinetics modeling and occupancy studies of a novel C-11 PET tracer for VAChT in nonhuman primates. Nuclear Medicine and Biology, 2016, 43, 131-139.	0.3	13
10	Further validation to support clinical translation of [18F]FTC-146 for imaging sigma-1 receptors. EJNMMI Research, 2015, 5, 49.	1.1	23
11	Synthesis and biological characterization of a promising F-18 PET tracer for vesicular acetylcholine transporter. Bioorganic and Medicinal Chemistry, 2015, 23, 4699-4709.	1.4	34
12	In vitro and ex vivo characterization of (â^')-TZ659 as a ligand for imaging the vesicular acetylcholine transporter. European Journal of Pharmacology, 2015, 752, 18-25.	1.7	6
13	Radiosynthesis and in vivo evaluation of a novel Ïƒ1 selective PET ligand. MedChemComm, 2014, 5, 1669-1677.	3.5	3
14	Syntheses and Radiosyntheses of Two Carbon-11 Labeled Potent and Selective Radioligands for Imaging Vesicular Acetylcholine Transporter. Molecular Imaging and Biology, 2014, 16, 765-772.	1.3	8
15	In Vitro and In Vivo Characterization of Two C-11-Labeled PET Tracers for Vesicular Acetylcholine Transporter. Molecular Imaging and Biology, 2014, 16, 773-780.	1.3	10
16	Heteroaromatic and Aniline Derivatives of Piperidines As Potent Ligands for Vesicular Acetylcholine Transporter. Journal of Medicinal Chemistry, 2013, 56, 6216-6233.	2.9	24
17	Synthesis and evaluation of in vitro bioactivity for vesicular acetylcholine transporter inhibitors containing two carbonyl groups. Bioorganic and Medicinal Chemistry, 2012, 20, 4422-4429.	1.4	16
18	Synthesis and in Vitro Biological Evaluation of Carbonyl Group-Containing Analogues for Ïƒ₁ Receptors. Journal of Medicinal Chemistry, 2011, 54, 5362-5372.	2.9	15

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19	Improved isolation of proteins tagged with glutathione S-transferase. Protein Expression and Purification, 2011, 75, 161-164.	0.6	10
20	Search for the acetylcholine and vesamicol binding sites in vesicular acetylcholine transporter: the region around the lumenal end of the transport channel. Journal of Neurochemistry, 2010, 115, 984-993.	2.1	16
21	Synthesis andin VitroBiological Evaluation of Carbonyl Group-Containing Inhibitors of Vesicular Acetylcholine Transporter. Journal of Medicinal Chemistry, 2010, 53, 2825-2835.	2.9	25
22	Conformational Propensities of Peptides Mimicking Transmembrane Helix 5 and Motif C in Wild-Type and Mutant Vesicular Acetylcholine Transporters. ACS Chemical Neuroscience, 2010, 1, 381-390.	1.7	11
23	Possible Important Pair of Acidic Residues in Vesicular Acetylcholine Transporter. Biochemistry, 2010, 49, 3049-3059.	1.2	19
24	Equilibrium Binding and Transport by Vesicular Acetylcholine Transporter. Methods in Molecular Biology, 2010, 637, 181-219.	0.4	2
25	Multiple Protonation States of Vesicular Acetylcholine Transporter Detected by Binding of [³H]Vesamicol. Biochemistry, 2009, 48, 8965-8975.	1.2	9
26	Synthesis and in Vitro and in Vivo Evaluation of ¹⁸F-Labeled Positron Emission Tomography (PET) Ligands for Imaging the Vesicular Acetylcholine Transporter. Journal of Medicinal Chemistry, 2009, 52, 1358-1369.	2.9	48
27	Mutational and bioinformatics analysis of proline- and glycine-rich motifs in vesicular acetylcholine transporter. Journal of Neurochemistry, 2006, 98, 1551-1559.	2.1	17
28	Synthesis and in vitro evaluation of N-substituted aza-trozamicol analogs as vesicular acetylcholine transporter ligands. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2654-2657.	1.0	6
29	Synthesis and in vitro evaluation of new benzovesamicol analogues as potential imaging probes for the vesicular acetylcholine transporter. Bioorganic and Medicinal Chemistry, 2005, 13, 745-753.	1.4	38
30	Structural requirements for steady-state localization of the vesicular acetylcholine transporter. Journal of Neurochemistry, 2005, 94, 957-969.	2.1	26
31	Mutational and pH Analysis of Ionic Residues in Transmembrane Domains of Vesicular Acetylcholine Transporter. Biochemistry, 2005, 44, 7955-7966.	1.2	14
32	New transport assay demonstrates vesicular acetylcholine transporter has many alternative substrates. Neurochemistry International, 2005, 47, 243-247.	1.9	25
33	Choline is transported by vesicular acetylcholine transporter. Journal of Neurochemistry, 2004, 91, 766-768.	2.1	25
34	Acetylcholine Binding Site in the Vesicular Acetylcholine Transporterâ€. Biochemistry, 2004, 43, 11163-11174.	1.2	19
35	Transmembrane Reorientation of the Substrate-Binding Site in Vesicular Acetylcholine Transporterâ€. Biochemistry, 2004, 43, 8787-8793.	1.2	12
36	Reliable, Sensitive, Rapid and Quantitative Enzyme-Based Assay for Gamma-Hydroxybutyric Acid (GHB). Journal of Forensic Sciences, 2004, 49, 1-9.	0.9	24

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37	Specificity of the rat vesicular acetylcholine transporter. Neurochemical Research, 2003, 28, 473-476.	1.6	0
38	Diffusion pathways to critical cysteines in the vesicular acetylcholine transporter of Torpedo. Neurochemical Research, 2003, 28, 477-482.	1.6	0
39	Equilibrium Binding and Transport Studies. , 2003, 227, 155-178.		2
40	Microscopic kinetics and structureâ€“function analysis in the vesicular acetylcholine transporter. Neurochemistry International, 2002, 41, 285-289.	1.9	16
41	Modification of Cysteines Reveals Linkage to Acetylcholine and Vesamicol Binding Sites in the Vesicular Acetylcholine Transporter of Torpedo californica. Journal of Neurochemistry, 2002, 74, 1739-1748.	2.1	11
42	Kinetic Basis for Activation of CDK2/Cyclin A by Phosphorylation. Journal of Biological Chemistry, 2001, 276, 275-280.	1.6	60
43	Transport mechanisms in acetylcholine and monoamine storage. FASEB Journal, 2000, 14, 2423-2434.	0.2	162
44	A critical histidine in the vesicular acetylcholine transporter. Neurochemistry International, 2000, 36, 113-117.	1.9	5
45	Synthesis and biological characterization of stable and radioiodinated (Â±)-trans-2-hydroxy-3-P{4-(3-iodophenyl)piperidyl}-1,2,3,4-tetrahydronaphthalene (3â€²-IBVM). Nuclear Medicine and Biology, 2000, 27, 749-755.	0.3	14
46	Hydroxylated Decahydroquinolines as Ligands for the Vesicular Acetylcholine Transporter:â€‰ Synthesis and Biological Evaluation. Journal of Medicinal Chemistry, 1999, 42, 2862-2869.	2.9	18
47	Control of the binding of a vesamicol analog to the vesicular acetylcholine transporter. NeuroReport, 1999, 10, 2783-2786.	0.6	11
48	Substructure and responses of cholinergic synaptic vesicles in the atomic force microscope. Journal of Neuroscience Research, 1998, 52, 350-355.	1.3	15
49	Kinetic Parameters for the Vesicular Acetylcholine Transporter:Â Two Protons Are Exchanged for One Acetylcholineâ€. Biochemistry, 1998, 37, 13400-13410.	1.2	58
50	[7] Photoaffinity labeling of vesicular acetylcholine transporter from electric organ of Torpedo. Methods in Enzymology, 1998, 296, 99-116.	0.4	0
51	N-Hydroxyalkyl Derivatives of 3Î²-Phenyltropane and 1-Methylspiro[1H-indoline-3,4â€˜-piperidine]:Â Vesamicol Analogues with Affinity for Monoamine Transporters. Journal of Medicinal Chemistry, 1997, 40, 3905-3914.	2.9	28
52	Changes in the Elastic Properties of Cholinergic Synaptic Vesicles as Measured by Atomic Force Microscopy. Biophysical Journal, 1997, 72, 806-813.	0.2	151
53	Pharmacological characterization of the vesamicol analogue (+)-[]MIBT in primate brain. European Journal of Pharmacology, 1997, 338, 159-169.	1.7	12
54	Imaging of cholinergic terminals using the radiotracer [18F](+)-4-fluorobenzyltrozamicol: In vitro binding studies and positron emission tomography studies in nonhuman primates. , 1997, 25, 368-380.		45

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55	Purification of active synaptic vesicles from the electric organ of Torpedo californica and comparison to reserve vesicles. BBA - Proteins and Proteomics, 1996, 1292, 293-302.	2.1	8
56	Effect of veratridine on miniature endplate current amplitudes at the rat neuromuscular junction and acetylcholine uptake by Torpedo synaptic vesicles. Brain Research, 1995, 671, 267-274.	1.1	4
57	Vesamicol analogues as sigma ligands. Biochemical Pharmacology, 1995, 49, 791-797.	2.0	63
58	Effects of Internal pH on the Acetylcholine Transporter of Synaptic Vesicles. Journal of Neurochemistry, 1995, 64, 1137-1142.	2.1	17
59	18F-labelled vesamicol derivatives: Syntheses and preliminary in vivo small animal positron emission tomography evaluation. Nuclear Medicine and Biology, 1994, 21, 219-230.	0.3	32
60	Acetylcholine active transport by rat brain synaptic vesicles. NeuroReport, 1994, 5, 773-776.	0.6	16
61	Classical Noncholinergic Neurotransmitters and the Vesicular Transport System for Acetylcholine. Journal of Neurochemistry, 1993, 61, 22-28.	2.1	5
62	Photoaffinity labeling of the vesamicol receptor of cholinergic synaptic vesicles. Biochemistry, 1993, 32, 8596-8601.	1.2	13
63	Chapter 26. In Vivo Diagnostics for Alzheimer's Disease Based on the Acetylcholine Transporter. Annual Reports in Medicinal Chemistry, 1993, , 247-255.	0.5	5
64	Chapter 20: Acetylcholine transporter â€" vesamicol receptor pharmacology and structure. Progress in Brain Research, 1993, 98, 175-181.	0.9	22
65	Striatal D2/acetylcholine interactions. NeuroReport, 1993, 4, 1311-1314.	0.6	34
66	Acetylcholine Transport, Storage, And Release. International Review of Neurobiology, 1993, 35, 279-390.	0.9	177
67	Positron emission tomographic studies of central cholinergic nerve terminals. Neuroscience Letters, 1992, 136, 1-4.	1.0	44
68	A kinetic and allosteric model for the acetylcholine transporter-vesamicol receptor in synaptic vesicles. Biochemistry, 1992, 31, 5752-5762.	1.2	58
69	Linkage of the acetylcholine transporter-vesamicol receptor to proteoglycan synaptic vesicles. Biochemistry, 1992, 31, 5778-5784.	1.2	26
70	Photoaffinity labeling of the acetylcholine transporter. Biochemistry, 1992, 31, 5770-5777.	1.2	18
71	Purification of the vesamicol receptor. Biochemistry, 1992, 31, 5763-5769.	1.2	29
72	Binding and Active Transport of Large Analogues of Acetylcholine by Cholinergic Synaptic Vesicles In Vitro. Journal of Neurochemistry, 1992, 59, 695-700.	2.1	22

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73	Characterization of the P-Type and V-Type ATPases of Cholinergic Synaptic Vesicles and Coupling of Nucleotide Hydrolysis to Acetylcholine Transport. Journal of Neurochemistry, 1992, 58, 1211-1220.	2.1	35
74	The pharmacology of vesamicol: An inhibitor of the vesicular acetylcholine transporter. General Pharmacology, 1992, 23, 1017-1022.	0.7	58
75	Purification and Characterization of a Nonvesicular Vesamicol-Binding Protein from Electric Organ and Demonstration of a Related Protein in Mammalian Brain. Journal of Neurochemistry, 1991, 57, 509-519.	2.1	30
76	Persistent occultation of the vesamicol receptor. NeuroReport, 1990, 1, 22-25.	0.6	17
77	Reactivation of vanadate-inhibited enzymes with desferrioxamine B, a vanadium(V) chelator. Inorganica Chimica Acta, 1989, 163, 1-3.	1.2	17
78	Regulation of the Vesamicol Receptor in Cholinergic Synaptic Vesicles by Acetylcholine and an Endogenous Factor. Journal of Neurochemistry, 1989, 52, 913-920.	2.1	27
79	Purification and Subunit Composition of a Cholinergic Synaptic Vesicle Glycoprotein, Phosphointermediate-Forming ATPase. Journal of Neurochemistry, 1989, 53, 1345-1353.	2.1	15
80	Cholinergic Synaptic Vesicles Contain a V-Type and a P-Type ATPase. Journal of Neurochemistry, 1989, 53, 1354-1362.	2.1	48
81	Hydrodynamic Molecular Weight of Solubilized Cholinergic Synaptic Vesicle Glycoprotein ATPase. Journal of Neurochemistry, 1989, 52, 168-173.	2.1	9
82	Synthesis, in vitro acetylcholine-storage-blocking activities, and biological properties of derivatives and analogs of trans-2-(4-phenylpiperidino)cyclohexanol (vesamicol). Journal of Medicinal Chemistry, 1989, 32, 1217-1230.	2.9	236
83	Ganglioside Composition of Synaptic Vesicles from Torpedo Electric Organ. Journal of Neurochemistry, 1988, 51, 1465-1469.	2.1	29
84	Sidedness and chemical and kinetic properties of the vesamicol receptor of cholinergic synaptic vesicles. Biochemistry, 1988, 27, 5262-5267.	1.2	33
85	Cholinergic synaptic vesicle heterogeneity: evidence for regulation of acetylcholine transport. Biochemistry, 1988, 27, 5268-5274.	1.2	33
86	Complexity and Regulation in the Acetylcholine Storage System of Synaptic Vesicles. , 1988, , 325-335.		1
87	Acetylcholine Transport: Fundamental Properties and Effects of Pharmacologic Agents. Annals of the New York Academy of Sciences, 1987, 493, 220-233.	1.8	47
88	The vesicular acetylcholine transport system. Trends in Neurosciences, 1987, 10, 174-177.	4.2	158
89	The ATPase of cholinergic synaptic vesicles is associated with sugars. Neurochemistry International, 1986, 8, 249-253.	1.9	4
90	Stoichiometries of Acetylcholine Uptake, Release, and Drug Inhibition in Torpedo Synaptic Vesicles: Heterogeneity in Acetylcholine Transport and Storage. Journal of Neurochemistry, 1986, 46, 1207-1213.	2.1	44

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91	Acetylcholine Transport and Drug Inhibition Kinetics in Torpedo Synaptic Vesicles. Journal of Neurochemistry, 1986, 46, 1214-1218.	2.1	78
92	Uncoupling of Cholinergic Synaptic Vesicles by the Presynaptic Toxin Î²â€Bungarotoxin. Journal of Neurochemistry, 1986, 47, 1305-1311.	2.1	8
93	Selectivity and Regulation in the Phospholipase A₂â€Mediated Attack on Cholinergic Synaptic Vesicles by Î²â€Bungarotoxin. Journal of Neurochemistry, 1986, 47, 1312-1317.	2.1	12
94	Proton gradient linkage to active uptake of [3H]acetylcholine by Torpedo electric organ synaptic vesicles. Biochemistry, 1982, 21, 3037-3043.	1.2	137
95	Origin of the Bicarbonate Stimulation of Torpedo Electric Organ Synaptic Vesicle ATPase. Journal of Neurochemistry, 1982, 39, 1660-1668.	2.1	37
96	Uncoupling of acetylcholine uptake from the Torpedo cholinergic synaptic vesicle ATPase. Biochemical and Biophysical Research Communications, 1981, 103, 422-428.	1.0	20
97	Passive uptake of acetylcholine and other organic cations by synaptic vesicles from Torpedo electric organ. Biochemistry, 1980, 19, 4373-4379.	1.2	25
98	Bicarbonate stimulation of the Ca2+/Mg2+ ATPase of Torpedo electric organ synaptic vesicles. Biochemical and Biophysical Research Communications, 1980, 95, 1869-1874.	1.0	13
99	Bicarbonate and magnesium ion-ATP dependent stimulation of acetylcholine uptake by Torpedo electric organ synaptic vesicles. Biochemical and Biophysical Research Communications, 1980, 94, 305-312.	1.0	37
100	Nitrocellulose filter binding: Quantitation of the histidyl-tRNA-ATP phosphoribosyltransferase complex. Analytical Biochemistry, 1979, 92, 22-30.	1.1	9
101	CHARACTERIZATION OF HIGH AFFINITY CHOLINE UPTAKE BY TORPEDO CALIFORNICA T-SACS. Journal of Neurochemistry, 1979, 33, 1189-1194.	2.1	5
102	Liver alcohol dehydrogenase subunit equivalence studied by rapid sampling of alcohol product formed from sequentially bound [4Î±-3H]NADH. Archives of Biochemistry and Biophysics, 1979, 194, 439-448.	1.4	5
103	Specificity of association of a Ca2+Mg2+ ATPase with cholinergic synaptic vesicles from Torpedo electric organ. Biochemical and Biophysical Research Communications, 1979, 88, 1069-1076.	1.0	44
104	[25] Methods for the detection and quantitation of tRNA-protein interactions. Methods in Enzymology, 1979, 59, 322-332.	0.4	1
105	Rapid separation of 5-phospho-Î±-d-ribose-1-diphosphate from its metabolic derivatives. Analytical Biochemistry, 1978, 87, 636-640.	1.1	6
106	The amino terminal sequence of ATP-phosphoribosyltransferase, the first gene product of the histidine operon. Biochemical and Biophysical Research Communications, 1977, 78, 833-838.	1.0	3
107	Properties of the 5â€²-terminus of tRNAHis: Kinetics of polynucleotide kinase catalyzed exchange and effect of dephosphorylation on the aminoacylation reaction. Biochemical and Biophysical Research Communications, 1977, 78, 28-35.	1.0	4
108	Synergistic inhibition of ATP phosphoribosyltransferase by guanosine tetraphosphate and histidine. Biochemical and Biophysical Research Communications, 1977, 74, 172-177.	1.0	36

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109	Purification and characterization of a mutant ATP phosphoribosyltransferase hypersensitive to histidine feedback inhibition. Archives of Biochemistry and Biophysics, 1977, 181, 632-642.	1.4	10
110	Inhibition of ATP phosphoribosyltransferase by AMP and ADP in the absence and presence of histidine. Archives of Biochemistry and Biophysics, 1977, 181, 643-648.	1.4	37
111	Biosynthetic direction substrate kinetics and product inhibition studies on the first enzyme of histidine biosynthesis, adenosine triphosphate phosphoribosyltransferase. Archives of Biochemistry and Biophysics, 1976, 175, 677-686.	1.4	47
112	Reverse direction substrate kinetics and inhibition studies on the first enzyme of histidine biosynthesis, adenosine triphosphate phosphoribosyltransferase. Archives of Biochemistry and Biophysics, 1976, 175, 687-693.	1.4	22
113	A rapid assay for ribokinase. Analytical Biochemistry, 1976, 75, 660-663.	1.1	6
114	A sensitive assay for the reverse reaction of the first histidine biosynthetic enzyme. Analytical Biochemistry, 1975, 68, 236-241.	1.1	9
115	VAChT. The AFCS-nature Molecule Pages, 0, , .	0.2	1