

Keith F Tipton

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

5,310
citations

136950

32
h-index

91884

69
g-index

75
all docs

75
docs citations

75
times ranked

5405
citing authors

#	ARTICLE	IF	CITATIONS
1	The therapeutic potential of monoamine oxidase inhibitors. <i>Nature Reviews Neuroscience</i> , 2006, 7, 295-309.	10.2	1,163
2	Advances in Our Understanding of the Mechanisms of the Neurotoxicity of MPTP and Related Compounds. <i>Journal of Neurochemistry</i> , 1993, 61, 1191-1206.	3.9	538
3	[9] Effects of pH on enzymes. <i>Methods in Enzymology</i> , 1979, 63, 183-234.	1.0	204
4	The nature of the electrophoretically separable multiple forms of rat liver monoamine oxidase. <i>Biochemical Journal</i> , 1973, 135, 173-186.	3.7	195
5	A kinetic evaluation of monoamine oxidase activity in rat liver mitochondrial outer membranes. <i>Biochemical Journal</i> , 1974, 139, 645-652.	3.7	191
6	ExplorEnz: the primary source of the IUBMB enzyme list. <i>Nucleic Acids Research</i> , 2009, 37, D593-D597.	14.5	180
7	Monoamine Oxidases: Certainties and Uncertainties. <i>Current Medicinal Chemistry</i> , 2004, 11, 1965-1982.	2.4	175
8	Inhibition of monoamine oxidase by amphetamine and related compounds. <i>Biochemical Pharmacology</i> , 1976, 25, 2073-2077.	4.4	167
9	Assessment of Enzyme Inhibition: A Review with Examples from the Development of Monoamine Oxidase and Cholinesterase Inhibitory Drugs. <i>Molecules</i> , 2017, 22, 1192.	3.8	156
10	Interactions of monoamine oxidase with substrates and inhibitors. <i>Medicinal Research Reviews</i> , 1989, 9, 45-89.	10.5	144
11	Monoamine oxidase inhibitors and the cheese effect. <i>Neurochemical Research</i> , 1993, 18, 1145-1149.	3.3	142
12	Highly reactive oxygen species: detection, formation, and possible functions. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 2067-2079.	5.4	133
13	Clinically available iron chelators induce neuroprotection in the 6-OHDA model of Parkinson's disease after peripheral administration. <i>Journal of Neural Transmission</i> , 2011, 118, 223-231.	2.8	122
14	The nature of the inhibition of rat liver monoamine oxidase types A and B by the acetylenic inhibitors clorgyline, l-deprenyl and pargyline. <i>Biochemical Pharmacology</i> , 1982, 31, 3555-3561.	4.4	117
15	Multi-Target Directed Donepezil-Like Ligands for Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2016, 10, 205.	2.8	111
16	The reaction pathway of membrane-bound rat liver mitochondrial monoamine oxidase. <i>Biochemical Journal</i> , 1973, 135, 735-750.	3.7	105
17	90 years of monoamine oxidase: some progress and some confusion. <i>Journal of Neural Transmission</i> , 2018, 125, 1519-1551.	2.8	99
18	Fifty-five years of enzyme classification: advances and difficulties. <i>FEBS Journal</i> , 2014, 281, 583-592.	4.7	94

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19	The development of monoamine oxidase in rat liver and brain. FEBS Letters, 1976, 64, 227-229.	2.8	82
20	The neurotoxicity of 1-methyl-4-phenyl-1,2,3,6,-tetrahydropyridine (mptp) and its relevance to parkinson's disease. Neurochemistry International, 1987, 11, 359-373.	3.8	77
21	Standards for Reporting Enzyme Data: The STRENDA Consortium: What it aims to do and why it should be helpful. Perspectives in Science, 2014, 1, 131-137.	0.6	65
22	The Effect of pH on the Kinetics of Beef-Liver Fructose Bisphosphatase. FEBS Journal, 1975, 58, 567-574.	0.2	61
23	Kinetic studies of bovine liver carbamoyl phosphate synthetase. Biochemical Journal, 1974, 141, 807-816.	3.7	59
24	Monoaminergic and Histaminergic Strategies and Treatments in Brain Diseases. Frontiers in Neuroscience, 2016, 10, 541.	2.8	46
25	The Allosteric Properties of Beef-Liver Fructose Bisphosphatase. FEBS Journal, 1975, 58, 575-585.	0.2	45
26	Drug interactions. Drug Metabolism Reviews, 2009, 41, 486-527.	3.6	45
27	Product inhibition studies on bovine liver carbamoyl phosphate synthetase. Biochemical Journal, 1974, 141, 817-824.	3.7	38
28	STRENDA DB: enabling the validation and sharing of enzyme kinetics data. FEBS Journal, 2018, 285, 2193-2204.	4.7	38
29	Deuterium isotope effect of phenelzine on the inhibition of rat liver mitochondrial mono amine oxidase activity. Biochemical Pharmacology, 1989, 38, 4245-4251.	4.4	36
30	Negatively co-operative ligand binding. Biochemical Journal, 1973, 133, 837-842.	3.7	35
31	Galactosyltransferase 4 is a major control point for glycan branching in <i>N</i> -linked glycosylation. Journal of Cell Science, 2014, 127, 5014-26.	2.0	35
32	A Knowledge-Based System for Display and Prediction of O-Glycosylation Network Behaviour in Response to Enzyme Knockouts. PLoS Computational Biology, 2016, 12, e1004844.	3.2	34
33	Pig liver pyruvate carboxylase. Purification, properties and cation specificity. Biochemical Journal, 1974, 139, 297-310.	3.7	33
34	6-Hydroxydopamine: a far from simple neurotoxin. Journal of Neural Transmission, 2020, 127, 213-230.	2.8	32
35	Determination of the absolute concentrations of mono amine oxidase A and B in human tissues. Biochemical Pharmacology, 1989, 38, 901-905.	4.4	28
36	Enzyme nomenclature and classification: the state of the art. FEBS Journal, 2023, 290, 2214-2231.	4.7	28

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37	The oxidation of adrenaline and noradrenaline by the two forms of monoamine oxidase from human and rat brain. <i>Neurochemistry International</i> , 1986, 8, 493-500.	3.8	27
38	The Purification and Properties of Pig-Liver Catechol-O-Methyl Transferase. <i>FEBS Journal</i> , 1978, 88, 439-444.	0.2	26
39	Mixed substrate experiments with human brain monoamine oxidase. <i>Biochemical Pharmacology</i> , 1974, 23, 1937-1944.	4.4	25
40	The turnover of the A- AND B-forms of monoamine oxidase in rat liver. <i>Biochemical Pharmacology</i> , 1980, 29, 891-895.	4.4	25
41	Is the oxidation of milacemide by monoamine oxidase a major factor in its anticonvulsant actions?. <i>Biochemical Pharmacology</i> , 1991, 41, 1731-1737.	4.4	25
42	Pig liver pyruvate carboxylase. The reaction pathway for the carboxylation of pyruvate. <i>Biochemical Journal</i> , 1974, 139, 311-320.	3.7	24
43	A kinetic analysis of enzyme systems involving four substrates. <i>Biochemical Journal</i> , 1974, 141, 789-805.	3.7	24
44	Eliciting Possible Reaction Equations and Metabolic Pathways Involving Orphan Metabolites. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 2335-2349.	5.4	23
45	Functional Group and Substructure Searching as a Tool in Metabolomics. <i>PLoS ONE</i> , 2008, 3, e1537.	2.5	22
46	Mechanistic aspects of the Fenton reaction under conditions approximated to the extracellular fluid. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 28-34.	3.5	22
47	First-in-class thyrotropin-releasing hormone (TRH)-based compound binds to a pharmacologically distinct TRH receptor subtype in human brain and is effective in neurodegenerative models. <i>Neuropharmacology</i> , 2015, 89, 193-203.	4.1	18
48	Species differences in the interactions of the anticonvulsant milacemide and some analogues with monoamine oxidase-B. <i>Biochemical Pharmacology</i> , 1995, 50, 317-324.	4.4	15
49	Parameter Reliability and Understanding Enzyme Function. <i>Molecules</i> , 2022, 27, 263.	3.8	15
50	Oxidative stress induces apoptosis in C6 glioma cells: Involvement of mitogen-activated protein kinases and nuclear factor kappa B. <i>Neurotoxicity Research</i> , 2001, 3, 397-409.	2.7	14
51	Kinetic behavior and reversible inhibition of monoamine oxidases—enzymes that many want dead. <i>International Review of Neurobiology</i> , 2011, 100, 43-64.	2.0	13
52	Kinetic mechanism and enzyme function*. <i>Biochemical Society Transactions</i> , 1980, 8, 242-245.	3.4	12
53	Monoamine Oxidase Assays. <i>Current Protocols in Toxicology</i> / Editorial Board, Mahin D Maines (editor-in-chief) [et al], 2006, 30, Unit4.21.	1.1	10
54	The Role of Acetyl-CoA in the Reaction Pathway of Pig-Liver Pyruvate Carboxylase. <i>FEBS Journal</i> , 1974, 47, 549-554.	0.2	9

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55	Pig liver pyruvate carboxylase. The reaction pathway for the decarboxylation of oxaloacetate. <i>Biochemical Journal</i> , 1974, 139, 321-329.	3.7	9
56	The interactions of milacemide with monoamine oxidase. <i>Biochemical Pharmacology</i> , 1994, 47, 617-623.	4.4	9
57	Tracing metabolic pathways from enzyme data. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1364-1371.	2.3	8
58	Theobromine and related methylxanthines as inhibitors of Primary Amine Oxidase. <i>Journal of Food Biochemistry</i> , 2019, 43, e12697.	2.9	8
59	THE PURIFICATION AND PROPERTIES OF PIG BRAIN CATECHOL-o-METHYLTRANSFERASE. <i>Journal of Neurochemistry</i> , 1979, 32, 1525-1529.	3.9	7
60	Interactions of the neurotoxin MPTP and its demethylated derivative (PTP) with monoamine oxidase-B. <i>Neurochemical Research</i> , 1992, 17, 791-796.	3.3	7
61	Species Differences in the Selective Inhibition of Monoamine Oxidase (1-methyl-2-phenylethyl)hydrazine and its Potentiation by Cyanide. <i>Neurochemical Research</i> , 2007, 32, 1783-1790.	3.3	7
62	A mechanism for bistability in glycosylation. <i>PLoS Computational Biology</i> , 2018, 14, e1006348.	3.2	6
63	Interactions of the neurotoxin 6-hydroxydopamine with glyceraldehyde-3-phosphate dehydrogenase. <i>Toxicology Letters</i> , 2002, 128, 197-206.	0.8	5
64	The sulphhydryl groups of ox brain and liver glutamate dehydrogenase preparations and the effects of oxidation on their inhibitor sensitivities. <i>Neurochemical Research</i> , 1991, 16, 773-780.	3.3	4
65	Reflections on 60 years of publication of the <i>Journal of Neurochemistry</i> . <i>Journal of Neurochemistry</i> , 2016, 139, 7-16.	3.9	4
66	The application of bathophenanthroline for the determination of free iron in parallel with hROS in microdialysis samples. <i>Journal of Neuroscience Methods</i> , 2020, 331, 108530.	2.5	4
67	Continuous monitoring of highly reactive oxygen radicals during in vivo microdialysis. <i>Journal of Neuroscience Methods</i> , 2015, 251, 1-6.	2.5	3
68	Determination of amines, amine metabolites and some amine metabolizing enzymes by high performance liquid chromatography. <i>Biomedical Chromatography</i> , 1990, 4, 229-233.	1.7	2
69	Elucidation of Metabolic Pathways from Enzyme Classification Data. <i>Methods in Molecular Biology</i> , 2014, 1083, 173-186.	0.9	1
70	Monoamine Oxidases and Their Inhibitors. , 2020, , 1-12.		0
71	Monoamine Oxidases and Their Inhibitors. , 2021, , 994-1004.		0