Peter F Nixon

List of Publications by Year
in descending order

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67	2,018	218677	254184
papers	citations	26 h-index	43 g-index

68	68	68	1152
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Choroid Plexus Dysfunction: The Initial Event in the Pathogenesis of Wernickeâ€™s Encephalopathy and Ethanol Intoxication. Alcoholism: Clinical and Experimental Research, 2008, 32, 1513-1523.	2.4	18
2	Glutamate Export at the Choroid Plexus in Health, Thiamin Deficiency, and Ethanol Intoxication: Review and Hypothesis. Alcoholism: Clinical and Experimental Research, 2008, 32, 1339-1349.	2.4	12
3	Thiamin nutrition and catalysis-induced instability of thiamin diphosphate. British Journal of Nutrition, 2006, 96, 636-8.	2.3	26
4	Quantitative description of the interaction between folate and the folate-binding protein from cow's milk. Biochemical Journal, 2004, 382, 215-221.	3.7	15
5	Dietary Interactions Influence the Effects of Bovine Folate-Binding Protein on the Bioavailability of Tetrahydrofolates in Rats. Journal of Nutrition, 2003, 133, 489-495.	2.9	9
6	Tetrahydrofolates Are Greatly Stabilized by Binding to Bovine Milk Folate-Binding Protein. Journal of Nutrition, 2002, 132, 2690-2694.	2.9	55
7	Congenital Lactic Acidosis: Evaluation of the Properties of the A199T Natural Variant of Human Pyruvate Dehydrogenase E1Î± by in Vitro Mutation. Molecular Genetics and Metabolism, 2001, 72, 269-272.	1.1	3
8	Siteâ€directed mutagenesis of the ionizable groups in the active site of Zymomonas mobilis pyruvate decarboxylase. FEBS Journal, 2001, 268, 3558-3565.	0.2	33
9	Glucose induced IEG expression in the thiamin-deficient rat brain11Published on the World Wide Web 3 January 2001.. Brain Research, 2001, 892, 218-227.	2.2	18
10	Mutagenesis at Asp27 of pyruvate decarboxylase from Zymomonas mobilis. FEBS Journal, 2000, 267, 6493-6500.	0.2	18
11	Effects of Deletions at the Carboxyl Terminus ofZymomonas mobilisPyruvate Decarboxylase on the Kinetic Properties and Substrate Specificityâ€. Biochemistry, 2000, 39, 9430-9437.	2.5	19
12	Glucose loading precipitates acute encephalopathy in thiamin-deficient rats. Metabolic Brain Disease, 1999, 14, 1-20.	2.9	26
13	Aspartate-27 and glutamate-473 are involved in catalysis by Zymomonas mobilis pyruvate decarboxylase. Biochemical Journal, 1999, 339, 255-260.	3.7	31
14	Aspartate-27 and glutamate-473 are involved in catalysis by Zymomonas mobilis pyruvate decarboxylase. Biochemical Journal, 1999, 339, 255.	3.7	14
15	Changes in the hippocampus induced by glucose in thiamin deficient rats detected by MRI. Brain Research, 1998, 791, 347-351.	2.2	23
16	Heterologous expression of human transketolase. International Journal of Biochemistry and Cell Biology, 1998, 30, 369-378.	2.8	16
17	Properties and functions of the thiamin diphosphate dependent enzyme transketolase. International Journal of Biochemistry and Cell Biology, 1998, 30, 1297-1318.	2.8	218
18	Identification of the catalytic glutamate in the E1 component of human pyruvate dehydrogenase. FEBS Letters, 1998, 437, 273-277.	2.8	23

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19	The Role of His113 and His114 in Pyruvate Decarboxylase from Zymomonas Mobilis. FEBS Journal, 1997, 248, 63-71.	0.2	46
20	Molecular Evolutionary Analysis of the Thiamine-Diphosphate-Dependent Enzyme, Transketolase. Journal of Molecular Evolution, 1997, 44, 552-572.	1.8	48
21	The role of residues glutamate-50 and phenylalanine-496 in Zymomonas mobilis pyruvate decarboxylase. Biochemical Journal, 1996, 315, 745-751.	3.7	40
22	MRI demonstration of impairment of the blood-CSF barrier by glucose administration to the thiamin-deficient rat brain. Magnetic Resonance Imaging, 1995, 13, 555-561.	1.8	22
23	Effect of chronic alcohol ingestion on hepatic folate distribution in the rat. Biochemical Pharmacology, 1994, 47, 1561-1566.	4.4	40
24	Application of high field localisedin vivo1H MRS to study biochemical changes in the thiamin deficient rat brain under glucose load. NMR in Biomedicine, 1993, 6, 324-328.	2.8	21
25	Reconstitution of holotransketolase is by a thiamin-diphosphate-magnesium complex. FEBS Journal, 1993, 218, 261-265.	0.2	14
26	Chromosomal location of the human transketolase gene. Cytogenetic and Genome Research, 1992, 61, 274-275.	1.1	9
27	Nucleotide and predicted amino acid sequence of a cDNA clone encoding part of human transketolase. Biochemical and Biophysical Research Communications, 1992, 183, 1159-1166.	2.1	22
28	High control coefficient of transketolase in the nonoxidative pentose phosphate pathway of human erythrocytes: NMR, antibody, and computer simulation studies. Biochemistry, 1992, 31, 12792-12798.	2.5	32
29	Inhibition of transketolase and pyruvate decarboxylase by omeprazole. Biochemical Pharmacology, 1992, 44, 177-179.	4.4	17
30	Gel chromatographic evaluation of the binding constant for the interaction of thiamin diphosphate with magnesium ion. Journal of Chromatography A, 1992, 609, 83-87.	3.7	5
31	In thiamine deficiency, activation of erythrocyte transketolase by thiamine in vivo exceeds activation by cofactor in vitro. Clinica Chimica Acta, 1991, 202, 39-45.	1.1	3
32	The Stability of Thiamine and Thiamine Tetrahydrofurfuryl Disulfide Added to Table Wines.. Journal of Nutritional Science and Vitaminology, 1991, 37, 201-206.	0.6	2
33	Interactions of Methotrexate, Trimetrexate and Piritrexim with Human and L. casei Dihydrofolate Reductases â€" Steady State Inhibition Constants and Dissociation Rates. Pteridines, 1991, 3, 123-124.	0.5	0
34	Modulation of Pteroylpolyglutamate Concentration and Length in Response to Altered Folate Nutrition in a Comprehensive Range of Rat Tissues. Journal of Nutrition, 1990, 120, 476-484.	2.9	27
35	Reply to the Letter of Tamura et al.. Journal of Nutrition, 1990, 120, 1427-1428.	2.9	0
36	Survival After Unexpected High Serum Methotrexate Concentrations in a Patient with Osteogenic Sarcoma. Drug Safety, 1990, 5, 447-454.	3.2	19

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37	Progression of neurological disease in thiamin-deficient rats is enhanced by ethanol. Alcohol, 1990, 7, 493-501.	1.7	35
38	The relationship between erythrocyte transketolase activity and the â€˜TPP effectâ€™ in Wernicke's encephalopathy and other thiamine deficiency states. Clinica Chimica Acta, 1990, 192, 89-98.	1.1	21
39	Interactions with hemoglobin: A source of error in measurements of transketolase activity in hemolysates. Clinica Chimica Acta, 1989, 180, 265-275.	1.1	3
40	Biochemical Aspects of the Pathogenesis of the Wernickeâ€Korsakoff Syndrome. Australian Drug and Alcohol Review, 1988, 7, 75-77.	0.1	5
41	Direct experimental evidence for competitive inhibition of dihydrofolate reductase by methotrexate. Biochemical Pharmacology, 1988, 37, 535-539.	4.4	13
42	Thermodynamic characterization of the interactions of methotrexate with dihydrofolate reductase by quantitative affinity chromatography. Biochemical Pharmacology, 1988, 37, 541-545.	4.4	8
43	Effects of acetaldehyde upon catalysis by human erythrocyte transketolase. Biochemical Pharmacology, 1988, 37, 2100-2101.	4.4	8
44	The Wernickeâ€Korsakoff syndrome: a reappraisal in Queensland with special reference to prevention. Medical Journal of Australia, 1987, 147, 561-565.	1.7	26
45	Measurement of Michaelis constant for human erythrocyte transketolase and thiamin diphosphate. Analytical Biochemistry, 1987, 160, 78-87.	2.4	45
46	An erythrocyte transketolase isoenzyme pattern associated with the Wernicke-Korsakoff syndrome. European Journal of Clinical Investigation, 1984, 14, 278-281.	3.4	74
47	Stimulation of erythrocyte transketolase by added thiamin diphosphate is pH dependent. Clinica Chimica Acta, 1984, 137, 81-86.	1.1	4
48	Variants of transketolase from human erythrocytes. Clinica Chimica Acta, 1983, 130, 349-356.	1.1	44
49	[74] Enzymic preparations of radiolabeled +-l-5-methyltetrahydrofolate and +-l-formyltetrahydrofolate. Methods in Enzymology, 1980, 66, 547-553.	1.0	5
50	An inverse relationship of rat liver folate polyglutamate chain length to nutritional folate sufficiency. Biochimica Et Biophysica Acta - General Subjects, 1980, 633, 258-268.	2.4	26
51	Folates of rat tissue. Biochimica Et Biophysica Acta - General Subjects, 1979, 585, 128-133.	2.4	22
52	THE URINARY MELANOGEN CYSTEINYLDOPA IN MELANOMA AND IN SUNTANNING: AUSTRALIAN EXPERIENCE. ANZ Journal of Surgery, 1978, 48, 17-21.	0.7	10
53	Clinical pharmacology in Australia. Clinical Pharmacology and Therapeutics, 1974, 16, 545-553.	4.7	0
54	The Turnover of Folate Coenzymes in Murine Lymphoma Cells. Journal of Biological Chemistry, 1973, 248, 5932-5936.	3.4	42

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55	Effective Absorption and Utilization of Oral Formyltetrahydrofolate in Man. New England Journal of Medicine, 1972, 286, 175-179.	27.0	95
56	Impaired utilization of serum folate in pernicious anemia. Journal of Clinical Investigation, 1972, 51, 1431-1439.	8.2	31
57	[179] Separation and identification of folate coenzymes on DEAE-sephadex. Methods in Enzymology, 1971, 18, 661-663.	1.0	17
58	KINETIC STUDIES OF THE REACTION MECHANISM OF DIHYDROFOLATE REDUCTASE. Annals of the New York Academy of Sciences, 1971, 186, 119-130.	3.8	18
59	DISCUSSION PAPER: KINETIC INVESTIGATION OF THE REACTION MECHANISM OF DIHYDROFOLATE REDUCTASE FROM L1210 CELLS. Annals of the New York Academy of Sciences, 1971, 186, 131-142.	3.8	3
60	Enzymic preparations of radiolabeled (+)-l-5-methyltetrahydrofolate and (+)-l-5-formyltetrahydrofolate. Analytical Biochemistry, 1971, 43, 162-172.	2.4	38
61	DISCUSSION PAPER: KINETIC INVESTIGATION OF THE REACTION MECHANISM OF DIHYDROFOLATE REDUCTASE FROM L1210 CELLS. Annals of the New York Academy of Sciences, 1971, 186, 131-142.	3.8	11
62	Transport characteristics of folates in cerebrospinal fluid; a study utilizing doubly labeled 5-methyltetrahydrofolate and 5-formyltetrahydrofolate. Journal of Clinical Investigation, 1971, 50, 1301-1308.	8.2	94
63	Intestinal folate absorption. Journal of Clinical Investigation, 1971, 50, 1910-1916.	8.2	28
64	Inhibition of peptide chain initiation in Escherichia coli by hydroxylamine. Reaction of hydroxylamine with folate coenzymes. Biochemistry, 1970, 9, 4833-4838.	2.5	14
65	Interrelationships of vitamin B12 and folate in man. American Journal of Medicine, 1970, 48, 555-561.	1.5	43
66	Effect of substrate decomposition on the spectrophotometric assay of dihydrofolate reductase. Analytical Biochemistry, 1967, 21, 178-189.	2.4	245
67	The cobamide-dependent ribonucleoside triphosphate reductase of lactobacilli. Biochemical and Biophysical Research Communications, 1965, 20, 439-445.	2.1	46