

Oliver H Lowry

List of Publications by Year in descending order

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88
papers

18,029
citations

41258

49
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81
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91
all docs

91
docs citations

91
times ranked

4667
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic Analysis. , 1993, , .		315
2	A Collection of Metabolite Assays. , 1993, , 111-228.		24
3	A Collection of Enzyme Assays. , 1993, , 229-305.		3
4	Glucose Metabolism Assessed with 2-Deoxyglucose and the Effect of Glutamate in Subdivisions of Rat Hippocampal Slices. Journal of Neurochemistry, 1992, 59, 1915-1924.	2.1	7
5	Distribution in brain and retina of four enzymes of acetyl CoA synthesis in relation to choline acetyl transferase and acetylcholine esterase. Neurochemical Research, 1991, 16, 629-635.	1.6	11
6	Enzyme levels in cultured astrocytes, oligodendrocytes and Schwann cells, and neurons from the cerebral cortex and superior cervical ganglia of the rat. Neurochemical Research, 1991, 16, 991-999.	1.6	23
7	Effect of microgravity on metabolic enzymes of individual muscle fibers. FASEB Journal, 1990, 4, 55-63.	0.2	39
8	How to Succeed in Research Without Being a Genius. Annual Review of Biochemistry, 1990, 59, 1-28.	5.0	44
9	Distribution of the Glucose-1,6-Bisphosphate System in Brain and Retina. Journal of Neurochemistry, 1988, 50, 594-602.	2.1	12
10	Effect of Duchenne muscular dystrophy on enzymes of energy metabolism in individual muscle fibers. Metabolism: Clinical and Experimental, 1987, 36, 761-767.	1.5	43
11	Enzymatic fluorometric assay for myo-inositol trisphosphate. Analytical Biochemistry, 1987, 162, 562-568.	1.1	31
12	Change in energy reserves in different segments of the nephron during brief ischemia. Kidney International, 1987, 31, 1239-1247.	2.6	58
13	Distribution of Guanine Deaminase in Mouse Brain. Journal of Neurochemistry, 1985, 44, 1736-1740.	2.1	22
14	Distribution of Glucose- 1,6-Bisphosphate and IMP-Activated Glucose Bisphosphatase in Brain and Retina. Journal of Neurochemistry, 1985, 44, 1741-1746.	2.1	9
15	Branched-chain amino acid aminotransferase along the rabbit and rat nephron. Kidney International, 1985, 28, 114-117.	2.6	13
16	A method for branched-chain amino acid aminotransferase activity in microgram and nanogram tissue samples. Analytical Biochemistry, 1985, 146, 418-422.	1.1	8
17	Uptake of Exogenous Aspartate into Circumventricular Organs but Not Other Regions of Adult Mouse Brain. Journal of Neurochemistry, 1984, 42, 740-744.	2.1	22
18	Distribution of Three Enzymes of γ -Aminobutyric Acid Metabolism in Monkey Retina. Journal of Neurochemistry, 1984, 42, 1269-1273.	2.1	15

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19	Distribution of Glycine, γ -Aminobutyric Acid, Glutamate Decarboxylase, and γ -Aminobutyric Acid Transaminase in Rabbit and Mudpuppy Retinas. <i>Journal of Neurochemistry</i> , 1984, 42, 1274-1280.	2.1	16
20	The heterogeneity of muscle. <i>Carlsberg Research Communications</i> , 1984, 49, 307-314.	1.7	2
21	Diversity of Metabolic Patterns in Human Brain Tumors: Enzymes of Energy Metabolism and Related Metabolites and Cofactors. <i>Journal of Neurochemistry</i> , 1983, 41, 994-1010.	2.1	90
22	Role of nicotinamide adenine dinucleotide in ethanol-induced depressions in testicular steroidogenesis. <i>Biochemical Pharmacology</i> , 1983, 32, 107-113.	2.0	16
23	Solving Problems That May Arise in Devising High-Sensitivity Pyridine Nucleotide Analytical Systems. <i>Transactions of the New York Academy of Sciences</i> , 1983, 41, 97-102.	0.2	0
24	Uptake of Exogenous Glutamate and Aspartate by Circumventricular Organs but Not Other Regions of Brain. <i>Journal of Neurochemistry</i> , 1981, 36, 1774-1780.	2.1	69
25	Distribution of Cyclic Nucleotide Phosphodiesterase in Mouse Brain. <i>Journal of Neurochemistry</i> , 1981, 36, 1272-1278.	2.1	6
26	ENZYMOLOGICAL HETEROGENEITY OF HUMAN MUSCLE FIBERS. , 1980, , 3-18.		8
27	Measurement of 10^{-7} to 10^{-12} mol of potassium by stimulation of pyruvate kinase. <i>Analytical Biochemistry</i> , 1979, 92, 370-374.	1.1	23
28	Enzymes of glycogen metabolism and related metabolites in preimplantation mouse embryos. <i>Developmental Biology</i> , 1979, 72, 342-349.	0.9	16
29	Localization of glutamine accumulation and tubular reabsorption in rat nephron. <i>Kidney International</i> , 1978, 14, 406-413.	2.6	17
30	An improved enzymatic cycle for nicotinamide-adenine dinucleotide phosphate. <i>Analytical Biochemistry</i> , 1978, 89, 119-129.	1.1	66
31	The location of glutamine synthetase within the rat and rabbit nephron. <i>Biochemical and Biophysical Research Communications</i> , 1978, 82, 498-505.	1.0	59
32	Measurement of metabolites in single preimplantation embryos; a new means to study metabolic control in early embryos. <i>Development (Cambridge)</i> , 1978, 43, 29-46.	1.2	34
33	Enzymic Assay of 10^{-7} to 10^{-14} Moles of Sucrose in Plant Tissues. <i>Plant Physiology</i> , 1977, 60, 379-383.	2.3	508
34	Measurement of nanogram quantities of protein by hydrolysis followed by reaction with orthophthalaldehyde or determination of glutamate. <i>Analytical Biochemistry</i> , 1976, 76, 502-523.	1.1	94
35	An enzymatic method for glycine. <i>Analytical Biochemistry</i> , 1975, 65, 232-240.	1.1	17
36	Stabilizing the alkali-generated fluorescent derivatives of NAD and NADP. <i>Analytical Biochemistry</i> , 1974, 59, 639-642.	1.1	32

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37	An enzymatic cycling method for nicotinamide-adenine dinucleotide with malic and alcohol dehydrogenases. <i>Analytical Biochemistry</i> , 1973, 53, 86-97.	1.1	314
38	Distribution of Enzymes between Nucleus and Cytoplasm of Single Nerve Cell Bodies. <i>Journal of Biological Chemistry</i> , 1973, 248, 2044-2048.	1.6	64
39	The Distribution of Glutaminase Isoenzymes in the Various Structures of the Nephron in Normal, Acidotic, and Alkalotic Rat Kidney. <i>Journal of Biological Chemistry</i> , 1973, 248, 162-168.	1.6	298
40	The turnover of protein in discrete areas of rat brain. <i>Biochemical Journal</i> , 1972, 126, 351-359.	3.2	42
41	THE MEASUREMENT OF FREE AND N-ACETYLATED ASPARTIC ACIDS IN THE NERVOUS SYSTEM. <i>Journal of Neurochemistry</i> , 1966, 13, 779-783.	2.1	51
42	QUANTITATIVE METHODS FOR MEASURING THE HISTOCHEMICAL DISTRIBUTION OF ALANINE, GLUTAMATE AND GLUTAMINE IN BRAIN. <i>Journal of Neurochemistry</i> , 1966, 13, 785-793.	2.1	55
43	REGIONAL ENERGY RESERVES IN MOUSE BRAIN AND CHANGES WITH ISCHAEMIA AND ANAESTHESIA. <i>Journal of Neurochemistry</i> , 1966, 13, 185-195.	2.1	238
44	Kinetic Evidence for Multiple Binding Sites on Phosphofructokinase. <i>Journal of Biological Chemistry</i> , 1966, 241, 2268-2279.	1.6	316
45	Effects of Changes in Brain Metabolism on the Levels of Citric Acid Cycle Intermediates. <i>Journal of Biological Chemistry</i> , 1966, 241, 3997-4003.	1.6	376
46	SUBSTRATE CHANGES IN PERIPHERAL NERVE DURING ISCHAEMIA and WALLERIAN DEGENERATION. <i>Journal of Neurochemistry</i> , 1965, 12, 719-727.	2.1	88
47	PHOSPHOFRUCTOKINASE**Hess: Since this meeting was held, we have realized that in 1936, E. Negelein (<i>Biochem. Z.</i> , 287, 329 (1936)), published a method for the preparation of highly active and stable yeast PFK.. , 1965, , 63-64.		3
48	THE EFFECTS OF ALTERED BRAIN METABOLISM ON THE LEVELS OF KREBS CYCLE INTERMEDIATES**The work reported here was supported by Grants from the American Cancer Society (P-38) and the National Institutes of Health 5 T1 NB 5221 and 1F2-GM-19, 735.. , 1965, , 321-329.		8
49	A comparison of the kinetic properties of phosphofructokinase from bacterial, plant and animal sources. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1964, 248, 185-194.	1.4	83
50	The role of phosphofructokinase in metabolic regulation. <i>Advances in Enzyme Regulation</i> , 1964, 2, 265-274.	2.9	172
51	Effect of Ischemia on Known Substrates and Cofactors of the Glycolytic Pathway in Brain. <i>Journal of Biological Chemistry</i> , 1964, 239, 18-30.	1.6	2,085
52	The Relationships between Substrates and Enzymes of Glycolysis in Brain. <i>Journal of Biological Chemistry</i> , 1964, 239, 31-42.	1.6	513
53	Effects of Adenylic Acid on the Kinetics of Muscle Phosphorylase a. <i>Journal of Biological Chemistry</i> , 1964, 239, 1947-1953.	1.6	108
54	P-Fructokinase and the control of the citric acid cycle. <i>Biochemical and Biophysical Research Communications</i> , 1963, 13, 372-379.	1.0	272

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55	[111] Measurement of pyridine nucleotides by enzymatic cycling. <i>Methods in Enzymology</i> , 1963, 6, 792-800.	0.4	9
56	Changes in Patterns of Enzymes of Carbohydrate Metabolism in the Developing Rat Liver. <i>Journal of Biological Chemistry</i> , 1963, 238, 2267-2273.	1.6	194
57	Phosphofructokinase and the Pasteur effect. <i>Biochemical and Biophysical Research Communications</i> , 1962, 7, 10-15.	1.0	522
58	The application of quantitative histochemistry to the pharmacology of the nervous system. <i>Biochemical Pharmacology</i> , 1962, 9, 173-180.	2.0	9
59	The Measurement of Pyridine Nucleotides by Enzymatic Cycling. <i>Journal of Biological Chemistry</i> , 1961, 236, 2746-2755.	1.6	452
60	The Stability of Pyridine Nucleotides. <i>Journal of Biological Chemistry</i> , 1961, 236, 2756-2759.	1.6	329
61	Quantitative Histochemistry of Retina. <i>Journal of Biological Chemistry</i> , 1961, 236, 2813-2820.	1.6	166
62	Flavin enzymes in liver and kidney of rats from birth to weaning. <i>Journal of Cellular and Comparative Physiology</i> , 1958, 52, 503-510.	1.8	23
63	THE QUANTITATIVE HISTOCHEMISTRY OF THE BRAIN. <i>Journal of Biological Chemistry</i> , 1958, 232, 979-993.	1.6	166
64	[17] Micromethods for the assay of enzymes. <i>Methods in Enzymology</i> , 1957, 4, 366-381.	0.4	124
65	ENZYME CONCENTRATIONS IN INDIVIDUAL NERVE CELL BODIES. , 1957, , 323-328.		32
66	THE FLUOROMETRIC MEASUREMENT OF PYRIDINE NUCLEOTIDES. <i>Journal of Biological Chemistry</i> , 1957, 224, 1047-1064.	1.6	504
67	QUANTITATIVE HISTOCHEMICAL CHANGES DURING THE DEVELOPMENT OF THE RAT CEREBRAL CORTEX. <i>Journal of Neurochemistry</i> , 1956, 1, 173-180.	2.1	116
68	MICRODETERMINATION OF PHOSPHOLIPIDES AND SPHINGOLIPIDES IN BRAIN. <i>Journal of Biological Chemistry</i> , 1956, 220, 661-675.	1.6	41
69	THE QUANTITATIVE HISTOCHEMISTRY OF THE RETINA. <i>Journal of Biological Chemistry</i> , 1956, 220, 879-892.	1.6	378
70	MICRODETERMINATION OF $\hat{\pm}$ -KETO ACIDS WITH SPECIAL REFERENCE TO MALIC, LACTIC, AND GLUTAMIC DEHYDROGENASES IN BRAIN. <i>Journal of Biological Chemistry</i> , 1956, 218, 897-909.	1.6	68
71	THE ANALYSIS OF SINGLE CELLS. <i>Journal of Biological Chemistry</i> , 1956, 222, 97-107.	1.6	150
72	MAST CELLS AS SOURCES OF TISSUE HISTAMINE. <i>Journal of Experimental Medicine</i> , 1955, 102, 307-318.	4.2	75

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73	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. <i>Journal of Biological Chemistry</i> , 1955, 213, 635-646.	1.6	98
74	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. <i>Journal of Biological Chemistry</i> , 1954, 207, 1-17.	1.6	971
75	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. <i>Journal of Biological Chemistry</i> , 1954, 207, 19-37.	1.6	758
76	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. <i>Journal of Biological Chemistry</i> , 1954, 207, 39-49.	1.6	167
77	THE QUANTITATIVE HISTOCHEMISTRY OF THE BRAIN. <i>Journal of Histochemistry and Cytochemistry</i> , 1953, 1, 420-428.	1.3	464
78	PTERINE OXIDASE. <i>Journal of Biological Chemistry</i> , 1949, 180, 399-410.	1.6	85
79	A MICRO PHOTOFUOROMETER. <i>Journal of Biological Chemistry</i> , 1948, 173, 677-682.	1.6	33
80	THE DETERMINATION OF IRON IN SMALL VOLUMES OF BLOOD SERUM. <i>Journal of Biological Chemistry</i> , 1948, 174, 791-802.	1.6	17
81	THE DETERMINATION OF VITAMIN A AND CAROTENE IN SMALL QUANTITIES OF BLOOD SERUM. <i>Journal of Biological Chemistry</i> , 1946, 166, 177-188.	1.6	289
82	THE ADAPTATION OF THE BECKMAN SPECTROPHOTOMETER TO MEASUREMENTS ON MINUTE QUANTITIES OF BIOLOGICAL MATERIALS. <i>Journal of Biological Chemistry</i> , 1946, 163, 633-639.	1.6	144
83	THE DETERMINATION OF INORGANIC PHOSPHATE IN THE PRESENCE OF LABILE PHOSPHATE ESTERS. <i>Journal of Biological Chemistry</i> , 1946, 162, 421-428.	1.6	1,474
84	A METHOD FOR THE RAPID DETERMINATION OF ALKALINE PHOSPHATASE WITH FIVE CUBIC MILLIMETERS OF SERUM. <i>Journal of Biological Chemistry</i> , 1946, 164, 321-329.	1.6	2,653
85	THE DETERMINATION OF ASCORBIC ACID IN SMALL AMOUNTS OF BLOOD SERUM. <i>Journal of Biological Chemistry</i> , 1945, 160, 609-615.	1.6	160
86	THE DETERMINATION OF SERUM PROTEIN CONCENTRATION WITH A GRADIENT TUBE. <i>Journal of Biological Chemistry</i> , 1945, 159, 465-474.	1.6	133
87	HISTOCHEMICAL CHANGES ASSOCIATED WITH AGING. <i>Journal of Biological Chemistry</i> , 1942, 143, 257-269.	1.6	122
88	THE DETERMINATION OF COLLAGEN AND ELASTIN IN TISSUES, WITH RESULTS OBTAINED IN VARIOUS NORMAL TISSUES FROM DIFFERENT SPECIES. <i>Journal of Biological Chemistry</i> , 1941, 139, 795-804.	1.6	234