Oliver H Lowry

List of Publications by Year
in descending order

88 papers	18,029 citations	41344 49 h-index	60623 81 g-index
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.	3.9	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.	3.3	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.	3.3	23
7	Effect of microgravity on metabolic enzymes of individual muscle fibers. FASEB Journal, 1990, 4, 55-63.	0.5	39
8	How to Succeed in Research Without Being a Genius. Annual Review of Biochemistry, 1990, 59, 1-28.	11.1	44
9	Distribution of the Glucose-1,6-Bisphosphate System in Brain and Retina. Journal of Neurochemistry, 1988, 50, 594-602.	3.9	12
10	Effect of Duchenne muscular dystrophy on enzymes of energy metabolism in individual muscle fibers. Metabolism: Clinical and Experimental, 1987, 36, 761-767.	3.4	43
11	Enzymatic fluorometric assay for myo-inositol trisphosphate. Analytical Biochemistry, 1987, 162, 562-568.	2.4	31
12	Change in energy reserves in different segments of the nephron during brief ischemia. Kidney International, 1987, 31, 1239-1247.	5.2	58
13	Distribution of Guanine Deaminase in Mouse Brain. Journal of Neurochemistry, 1985, 44, 1736-1740.	3.9	22
14	Distribution of Glucose- 1,6-Bisphosphate and IMP-Activated Glucose Bisphosphatase in Brain and Retina. Journal of Neurochemistry, 1985, 44, 1741-1746.	3.9	9
15	Branched-chain amino acid aminotransferase along the rabbit and rat nephron. Kidney International, 1985, 28, 114-117.	5.2	13
16	A method for branched-chain amino acid aminotransferase activity in microgram and nanogram tissue samples. Analytical Biochemistry, 1985, 146, 418-422.	2.4	8
17	Uptake of Exogenous Aspartate into Circumventricular Organs but Not Other Regions of Adult Mouse Brain. Journal of Neurochemistry, 1984, 42, 740-744.	3.9	22
18	Distribution of Three Enzymes of ?-Aminobutyric Acid Metabolism in Monkey Retina. Journal of Neurochemistry, 1984, 42, 1269-1273.	3.9	15

#	Article	IF	Citations
19	Distribution of Glycine, ?-Aminobutyric Acid, Glutamate Decarboxylase, and ?-Aminobutyric Acid Transaminase in Rabbit and Mudpuppy Retinas. Journal of Neurochemistry, 1984, 42, 1274-1280.	3.9	16
20	The heterogeneity of muscle. Carlsberg Research Communications, 1984, 49, 307-314.	1.8	2
21	Diversity of Metabolic Patterns in Human Brain Tumors: Enzymes of Energy Metabolism and Related Metabolites and Cofactors. Journal of Neurochemistry, 1983, 41, 994-1010.	3.9	90
22	Role of nicotinamide adenine dinucleotide in ethanol-induced depressions in testicular steroidogenesis. Biochemical Pharmacology, 1983, 32, 107-113.	4.4	16
23	Solving Problems That May Arise in Devising Highâ€Sensitivity Pyridine Nucleotide Analytical Systems^a. Transactions of the New York Academy of Sciences, 1983, 41, 97-102.	0.2	0
24	Uptake of Exogenous Glutamate and Aspartate by Circumventricular Organs but Not Other Regions of Brain. Journal of Neurochemistry, 1981, 36, 1774-1780.	3.9	69
25	Distribution of Cyclic Nucleotide Phosphodiesterase in Mouse Brain. Journal of Neurochemistry, 1981, 36, 1272-1278.	3.9	6
26	ENZYMOLOGICAL HETEROGENEITY OF HUMAN MUSCLE FIBERS. , 1980, , 3-18.		8
27	Measurement of 10âˆ’7 to 10âˆ’12 mol of potassium by stimulation of pyruvate kinase. Analytical Biochemistry, 1979, 92, 370-374.	2.4	23
28	Enzymes of glycogen metabolism and related metabolites in preimplantation mouse embryos. Developmental Biology, 1979, 72, 342-349.	2.0	16
29	Localization of glutamine accumulation and tubular reabsorption in rat nephron. Kidney International, 1978, 14, 406-413.	5.2	17
30	An improved enzymatic cycle for nicotinamide-adenine dinucleotide phosphate. Analytical Biochemistry, 1978, 89, 119-129.	2.4	66
31	The location of glutamine synthetase within the rat and rabbit nephron. Biochemical and Biophysical Research Communications, 1978, 82, 498-505.	2.1	59
32	Measurement of metabolites in single preimplantation embryos; a new means to study metabolic control in early embryos. Development (Cambridge), 1978, 43, 29-46.	2.5	34
33	Enzymic Assay of 10^{âˆ’7} to 10^{âˆ’14} Moles of Sucrose in Plant Tissues. Plant Physiology, 1977, 60, 379-383.	4.8	508
34	Measurement of nanogram quantities of protein by hydrolysis followed by reaction with orthophthalaldehyde or determination of glutamate. Analytical Biochemistry, 1976, 76, 502-523.	2.4	94
35	An enzymatic method for glycine. Analytical Biochemistry, 1975, 65, 232-240.	2.4	17
36	Stabilizing the alkali-generated fluorescent derivatives of NAD and NADP. Analytical Biochemistry, 1974, 59, 639-642.	2.4	32

#	Article	IF	Citations
37	An enzymatic cycling method for nicotinamide-adenine dinucleotide with malic and alcohol dehydrogenases. Analytical Biochemistry, 1973, 53, 86-97.	2.4	314
38	Distribution of Enzymes between Nucleus and Cytoplasm of Single Nerve Cell Bodies. Journal of Biological Chemistry, 1973, 248, 2044-2048.	3.4	64
39	The Distribution of Glutaminase Isoenzymes in the Various Structures of the Nephron in Normal, Acidotic, and Alkalotic Rat Kidney. Journal of Biological Chemistry, 1973, 248, 162-168.	3.4	298
40	The turnover of protein in discrete areas of rat brain. Biochemical Journal, 1972, 126, 351-359.	3.1	42
41	THE MEASUREMENT OF FREE AND N-ACETYLATED ASPARTIC ACIDS IN THE NERVOUS SYSTEM. Journal of Neurochemistry, 1966, 13, 779-783.	3.9	51
42	QUANTITATIVE METHODS FOR MEASURING THE HISTOCHEMICAL DISTRIBUTION OF ALANINE, GLUTAMATE AND GLUTAMINE IN BRAIN. Journal of Neurochemistry, 1966, 13, 785-793.	3.9	55
43	REGIONAL ENERGY RESERVES IN MOUSE BRAIN AND CHANGES WITH ISCHAEMIA AND ANAESTHESIA. Journal of Neurochemistry, 1966, 13, 185-195.	3.9	238
44	Kinetic Evidence for Multiple Binding Sites on Phosphofructokinase. Journal of Biological Chemistry, 1966, 241, 2268-2279.	3.4	316
45	Effects of Changes in Brain Metabolism on the Levels of Citric Acid Cycle Intermediates. Journal of Biological Chemistry, 1966, 241, 3997-4003.	3.4	376
46	SUBSTRATE CHANGES IN PERIPHERAL NERVE DURING ISCHAEMIA and WALLERIAN DEGENERATION. Journal of Neurochemistry, 1965, 12, 719-727.	3.9	88
47	PHOSPHOFRUCTOKINASE**Hess: Since this meeting was held, we have realized that in 1936, E. Negelein (Biochem. Z., 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. Naunyn-Schmiedeberg's Archives of Pharmacology, 1964, 248, 185-194.	3.0	83
50	The role of phosphofructokinase in metabolic regulation. Advances in Enzyme Regulation, 1964, 2, 265-274.	2.6	172
51	Effect of Ischemia on Known Substrates and Cofactors of the Glycolytic Pathway in Brain. Journal of Biological Chemistry, 1964, 239, 18-30.	3.4	2,085
52	The Relationships between Substrates and Enzymes of Glycolysis in Brain. Journal of Biological Chemistry, 1964, 239, 31-42.	3.4	513
53	Effects of Adenylic Acid on the Kinetics of Muscle Phosphorylase a. Journal of Biological Chemistry, 1964, 239, 1947-1953.	3.4	108
54	P-Fructokinase and the control of the citric acid cycle. Biochemical and Biophysical Research Communications, 1963, 13, 372-379.	2.1	272

#	Article	IF	Citations
55	[111] Measurement of pyridine nucleotides by enzymatic cycling. Methods in Enzymology, 1963, 6, 792-800.	1.0	9
56	Changes in Patterns of Enzymes of Carbohydrate Metabolism in the Developing Rat Liver. Journal of Biological Chemistry, 1963, 238, 2267-2273.	3.4	194
57	Phosphofructokinase and the Pasteur effect. Biochemical and Biophysical Research Communications, 1962, 7, 10-15.	2.1	522
58	The application of quantitative histochemistry to the pharmacology of the nervous system. Biochemical Pharmacology, 1962, 9, 173-180.	4.4	9
59	The Measurement of Pyridine Nucleotides by Enzymatic Cycling. Journal of Biological Chemistry, 1961, 236, 2746-2755.	3.4	452
60	The Stability of Pyridine Nucleotides. Journal of Biological Chemistry, 1961, 236, 2756-2759.	3.4	329
61	Quantitative Histochemistry of Retina. Journal of Biological Chemistry, 1961, 236, 2813-2820.	3.4	166
62	Flavin enzymes in liver and kidney of rats from birth to weaning. Journal of Cellular and Comparative Physiology, 1958, 52, 503-510.	1.8	23
63	THE QUANTITATIVE HISTOCHEMISTRY OF THE BRAIN. Journal of Biological Chemistry, 1958, 232, 979-993.	3.4	166
64	[17] Micromethods for the assay of enzymes. Methods in Enzymology, 1957, 4, 366-381.	1.0	124
65	ENZYME CONCENTRATIONS IN INDIVIDUAL NERVE CELL BODIES. , 1957, , 323-328.		32
66	THE FLUOROMETRIC MEASUREMENT OF PYRIDINE NUCLEOTIDES. Journal of Biological Chemistry, 1957, 224, 1047-1064.	3.4	504
67	QUANTITATIVE HISTOCHEMICAL CHANGES DURING THE DEVELOPMENT OF THE RAT CEREBRAL CORTEX. Journal of Neurochemistry, 1956, 1, 173-180.	3.9	116
68	MICRODETERMINATION OF PHOSPHOLIPIDES AND SPHINGOLIPIDES IN BRAIN. Journal of Biological Chemistry, 1956, 220, 661-675.	3.4	41
69	THE QUANTITATIVE HISTOCHEMISTRY OF THE RETINA. Journal of Biological Chemistry, 1956, 220, 879-892.	3.4	378
70	MICRODETERMINATION OF Î±-KETO ACIDS WITH SPECIAL REFERENCE TO MALIC, LACTIC, AND GLUTAMIC DEHYDROGENASES IN BRAIN. Journal of Biological Chemistry, 1956, 218, 897-909.	3.4	68
71	THE ANALYSIS OF SINGLE CELLS. Journal of Biological Chemistry, 1956, 222, 97-107.	3.4	150
72	MAST CELLS AS SOURCES OF TISSUE HISTAMINE. Journal of Experimental Medicine, 1955, 102, 307-318.	8.5	75

#	Article	IF	Citations
73	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. Journal of Biological Chemistry, 1955, 213, 635-646.	3.4	98
74	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. Journal of Biological Chemistry, 1954, 207, 1-17.	3.4	971
75	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. Journal of Biological Chemistry, 1954, 207, 19-37.	3.4	758
76	THE QUANTITATIVE HISTOCHEMISTRY OF BRAIN. Journal of Biological Chemistry, 1954, 207, 39-49.	3.4	167
77	THE QUANTITATIVE HISTOCHEMISTRY OF THE BRAIN. Journal of Histochemistry and Cytochemistry, 1953, 1, 420-428.	2.5	464
78	PTERINE OXIDASE. Journal of Biological Chemistry, 1949, 180, 399-410.	3.4	85
79	A MICRO PHOTOFLUOROMETER. Journal of Biological Chemistry, 1948, 173, 677-682.	3.4	33
80	THE DETERMINATION OF IRON IN SMALL VOLUMES OF BLOOD SERUM. Journal of Biological Chemistry, 1948, 174, 791-802.	3.4	17
81	THE DETERMINATION OF VITAMIN A AND CAROTENE IN SMALL QUANTITIES OF BLOOD SERUM. Journal of Biological Chemistry, 1946, 166, 177-188.	3.4	289
82	THE ADAPTATION OF THE BECKMAN SPECTROPHOTOMETER TO MEASUREMENTS ON MINUTE QUANTITIES OF BIOLOGICAL MATERIALS. Journal of Biological Chemistry, 1946, 163, 633-639.	3.4	144
83	THE DETERMINATION OF INORGANIC PHOSPHATE IN THE PRESENCE OF LABILE PHOSPHATE ESTERS. Journal of Biological Chemistry, 1946, 162, 421-428.	3.4	1,474
84	A METHOD FOR THE RAPID DETERMINATION OF ALKALINE PHOSPHATASE WITH FIVE CUBIC MILLIMETERS OF SERUM. Journal of Biological Chemistry, 1946, 164, 321-329.	3.4	2,653
85	THE DETERMINATION OF ASCORBIC ACID IN SMALL AMOUNTS OF BLOOD SERUM. Journal of Biological Chemistry, 1945, 160, 609-615.	3.4	160
86	THE DETERMINATION OF SERUM PROTEIN CONCENTRATION WITH A GRADIENT TUBE. Journal of Biological Chemistry, 1945, 159, 465-474.	3.4	133
87	HISTOCHEMICAL CHANGES ASSOCIATED WITH AGING. Journal of Biological Chemistry, 1942, 143, 257-269.	3.4	122
88	THE DETERMINATION OF COLLAGEN AND ELASTIN IN TISSUES, WITH RESULTS OBTAINED IN VARIOUS NORMAL TISSUES FROM DIFFERENT SPECIES. Journal of Biological Chemistry, 1941, 139, 795-804.	3.4	234