State of Oxidation-Reduction and State of Binding in the Disclosed by Equilibration with Extracellular Lactate/Py Perfused Rat Liver

FEBS Journal

27, 301-317

DOI: 10.1111/j.1432-1033.1972.tb01840.x

Citation Report

#	Article	IF	CITATIONS
1	Oxidation in the NADP system and release of GSSG from hemoglobin-free perfused rat liver during peroxidatic oxidation of glutathione by hydroperoxides. FEBS Letters, 1972, 27, 171-175.	2.8	243
2	Effect of carbohydrates upon fluorescence of reduced pyridine nucleotides from perifused isolated pancreatic islets. Diabetologia, 1973, 9, 477-482.	6.3	82
3	Carbon-Dioxide Concentration and the Distribution of Monocarboxylate and H+ Ions between Intracellular and Extracellular Spaces of Hemoglobin-Free Perfused Rat Liver. FEBS Journal, 1973, 38, 247-258.	0.2	29
4	Rate-Limiting Factors in Ethanol Oxidation by Isolated Rat-Liver Parenchymal Cells. Effect of Ethanol concentration, Fructose, Pyruvate and Pyrazole. FEBS Journal, 1973, 40, 275-282.	0.2	125
5	Aminopropyl glass and its p -phenylene diisothiocyanate derivative, a new support in solid-phase Edman degradation of peptides and proteins. FEBS Letters, 1973, 35, 97-102.	2.8	156
6	Effects of hormones on cyclic AMP release in perfused rat livers. FEBS Letters, 1973, 32, 73-77.	2.8	50
7	Effects of membrane depolarization on nicotinamide nucleotide fluorescence in brain slices. Biochemical Journal, 1973, 136, 999-1009.	3.1	76
8	Optimizing the sensitivity of enzyme systems to perturbations from equilibrium. Journal of Theoretical Biology, 1974, 47, 163-176.	1.7	2
9	Thermodynamic relationships between the oxidation-reduction reactions and the ATP synthesis in suspensions of isolated pigeon heart mitochondria. Archives of Biochemistry and Biophysics, 1974, 160, 412-421.	3.0	129
10	Mitochondrial function under hypoxic conditions: The steady states of cytochrome a+a3 and their relation to mitochondrial energy states. Biochimica Et Biophysica Acta - Bioenergetics, 1974, 368, 298-310.	1.0	135
11	Metabolic effects of acetaldehyde in the intact rat brain cortex and its subcellular fractions. Brain Research, 1974, 70, 301-312.	2.2	17
12	Activation of glycogenolysis in perfused rat livers by glucagon and metabolic inhibitors. Biochimica Et Biophysica Acta - General Subjects, 1974, 362, 469-479.	2.4	43
13	Regulation of fructose metabolism in the perfused rat liverInterrelation with inorganic phosphate, glucose, ketone body and ethanol metabolism. Biochimica Et Biophysica Acta - General Subjects, 1974, 343, 1-16.	2.4	50
14	Optical measurement of the catalase-hydrogen peroxide intermediate (Compound I) in the liver of anaesthetized rats and its implication to hydrogen peroxide production <i>in situ</i> . Biochemical Journal, 1975, 146, 67-77.	3.7	112
15	Activation of Pyruvate Dehydrogenase during Metabolism of Ammonium Ions in Hemoglobin-Free Perfused Rat Liver. FEBS Journal, 1975, 52, 421-431.	0.2	86
16	Effect of Insulin on Albumin Production and Incorporation of ¹⁴ Câ€leucine into Proteins in Isolated Parenchymal Liver Cells from Normal Rats Acta Physiologica Scandinavica, 1975, 94, 236-243.	2.2	16
17	A versatile time-sharing multichannel spectrophotometer, reflectometer, and fluorometer. Analytical Biochemistry, 1975, 66, 498-514.	2.4	241
18	Epidermal nicotinamide adenine dinucleotides in psoriasis and neurodermatitis (Lichen Simplex) Tj ETQq $1\ 1\ 0.78$	4314 rgB1	「Qverlock 10

#	Article	IF	CITATIONS
19	Intracellular PH: Measurement, Control, and Metabolic Interrelationships. CRC Critical Reviews in Clinical Laboratory Sciences, 1975, 6, 101-143.	1.0	73
20	Effects of alpha-ketomonocarboxylic acids upon insulin secretion and metabolism of isolated pancreatic islets. Naunyn-Schmiedeberg's Archives of Pharmacology, 1975, 291, 405-420.	3.0	37
21	Effect of Glucagon on Cyclic AMP, Albumin Metabolism and Incorporation of ¹⁴ Câ€Leucine into Proteins in Isolated Parenchymal Rat Liver Cells. Acta Physiologica Scandinavica, 1976, 97, 457-469.	2.2	15
22	The investigation of critical parameters in the glycolytic response of single living cells by rapid microspectrofluorometric analysis. Mikrochimica Acta, 1976, 65, 249-261.	5.0	4
23	Pyridine nucleotide distributions and enzyme mass action ratios in hepatocytes from fed and starved rats. Archives of Biochemistry and Biophysics, 1977, 184, 222-236.	3.0	205
24	Effect of ethanol and lactate on the basal and glucagonactivated cyclic amp formation in isolated hepatocytes. FEBS Letters, 1977, 75, 291-294.	2.8	27
25	Parallel evolution of pairs of dehydrogenase isoenzymes. Journal of Molecular Evolution, 1978, 11, 57-66.	1.8	9
26	Some effects of glucose concentration and anoxia on glycolysis and metabolite concentrations in the perfused liver of fetal guinea pig. Biochimica Et Biophysica Acta - General Subjects, 1978, 538, 106-119.	2.4	6
27	Interaction of ethanol oxidation with glucuronidation in isolated hepatocytes. Biochemical Pharmacology, 1978, 27, 2583-2588.	4.4	69
28	[3] The use of perfusion of liver and other organs for the study of microsomal electron-transport and cytochrome P-450 systems. Methods in Enzymology, 1978, 52, 48-59.	1.0	209
29	Energy-dependent regulation of the steady-state concentrations of the components of the lactate dehydrogenase reaction in liver. FEBS Letters, 1980, 119, 317-322.	2.8	22
30	The function of energy-dependent redox reactions in cell metabolism. FEBS Letters, 1980, 117, K106-K120.	2.8	34
31	Quantitative evaluation of electrophoretic allo- and isozyme patterns. FEBS Letters, 1980, 115, 319-324.	2.8	80
32	The glutamate dehydrogenase system and the redox state of mitochondrial free nicotinamide adenine dinucleotide in myocardium. FEBS Letters, 1981, 128, 356-360.	2.8	35
33	Relationship of the reduction-oxidation state to protein degradation in skeletal and atrial muscle. Archives of Biochemistry and Biophysics, 1982, 217, 191-201.	3.0	48
34	MICROSPECTROFLUOROMETRIC APPROACH TO THE STUDY OF FREE/BOUND NAD(P)H RATIO AS METABOLIC INDICATOR IN VARIOUS CELL TYPES. Photochemistry and Photobiology, 1982, 36, 585-593.	2.5	119
35	Compartmentation of Fatty Acid Oxidation in Liver Cells. FEBS Journal, 1983, 131, 215-222.	0.2	20
36	Relationship between kinetics of liver alcohol dehydrogenase and alcohol metabolism. Pharmacology Biochemistry and Behavior, 1983, 18, 223-227.	2.9	49

#	ARTICLE	IF	CITATIONS
37	Zonal redox changes as a cause of selective perivenular hepatotoxicity of alcohol. Pharmacology Biochemistry and Behavior, 1983, 18, 449-454.	2.9	21
38	Rat liver alcohol dehydrogenase. Analytical Biochemistry, 1983, 133, 350-361.	2.4	30
39	Human liver cytosolic malate dehydrogenase: Purification, kinetic properties, and role in ethanol metabolism. Archives of Biochemistry and Biophysics, 1983, 225, 621-629.	3.0	16
40	Subcellular origin of the surface fluorescence of reduced nicotinamide nucleotides in the isolated perfused rat heart. Basic Research in Cardiology, 1984, 79, 49-58.	5.9	112
41	The inhibitory effect of testosterone on the development of metabolic tolerance to ethanol. Alcohol, 1984, 1, 283-291.	1.7	4
42	Rate-determining factors for ethanol metabolism in fasted and castrated male rats. Biochemical Pharmacology, 1984, 33, 2623-2628.	4.4	12
43	Mitochondrialâ€"Microsomal interactions in vitro: Use of microsomal 7-ethyoxycoumarin O-deethylase to study succinate-stimulated malate efflux from mitochondria. Archives of Biochemistry and Biophysics, 1984, 233, 345-353.	3.0	8
44	Compartmentation of high-energy phosphates in resting and working rat skeletal muscle. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 764, 117-124.	1.0	15
45	Effect of Age on Metabolic Tolerance and Hepatomegaly following Chronic Ethanol Administration. Alcoholism: Clinical and Experimental Research, 1984, 8, 528-534.	2.4	19
47	Effect of redox potential on protein degradation in perfused rat heart. American Journal of Physiology - Endocrinology and Metabolism, 1985, 248, E726-E731.	3.5	2
48	ETHANOL METABOLISM BY THE LIVER. Drug Metabolism and Drug Interactions, 1985, 5, 113-58.	0.3	4
49	Dependence of ethanol-induced redox shift on hepatic oxygen tensions prevailing in vivo. Alcohol, 1985, 2, 163-167.	1.7	41
50	Investigation of the carbohydrate metabolism of normal and neoplastic hepatocytes using 2,6-dichlorophenolindophenol as a probe for NAD(P)H production measured by voltammetry. Biochimica Et Biophysica Acta - Molecular Cell Research, 1985, 847, 90-95.	4.1	6
51	Inhibitory effect of propylthiouracil on the development of metabolic tolerance to ethanol. Biochemical Pharmacology, 1985, 34, 2377-2383.	4.4	10
52	Regulation of palmitoylcarnitine oxidation in isolated rat liver mitochondria. Role of the redox state of NAD(H). Lipids and Lipid Metabolism, 1986, 875, 293-300.	2.6	67
53	Pyruvate attenuation of hypoxia damage in isolated working guinea-pig heart. Journal of Molecular and Cellular Cardiology, 1986, 18, 423-438.	1.9	56
54	[34] Reflectance spectrophotometric and surface fluorometric methods for measuring the redox state of nicotinamide nucleotides and flavins in intact tissues. Methods in Enzymology, 1986, 123, 311-320.	1.0	17
55	The content of NADH in rat skeletal muscle at rest and after cyanide poisoning. Biochemical Journal, 1986, 239, 245-248.	3.7	29

#	Article	IF	CITATIONS
56	H ₂ O ₂ Formation During Nucleotide Degradation in the Hypoxic Rat Liver: a Quantitative Approach. Free Radical Research Communications, 1986, 1, 289-295.	1.8	12
57	Linear relationships between mitochondrial forces and cytoplasmic flows argue for the organized energy-coupled nature of cellular metabolism. FEBS Letters, 1987, 224, 201-207.	2.8	26
58	Metabolic control of coronary blood flow. Progress in Cardiovascular Diseases, 1987, 29, 369-387.	3.1	98
59	pH control of hepatic glutamine degradation. Role of transport. FEBS Journal, 1987, 166, 483-488.	0.2	40
60	Synergistic effects of hypoxia and fasting on harmol elimination in the isolated perfused rat liver. Biochemical Pharmacology, 1988, 37, 1207-1212.	4.4	11
61	Parameters controlling opine formation during muscular activity and environmental hypoxia. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1989, 159, 617-628.	1.5	25
62	Defining hypoxia: a systems view of VO2, glycolysis, energetics, and intracellular PO2. Journal of Applied Physiology, 1990, 68, 833-842.	2.5	383
63	Mechanism of fatty acid effect on myocardial oxygen consumption. A phosphorus NMR study. Biochimica Et Biophysica Acta - Bioenergetics, 1990, 1019, 73-80.	1.0	22
64	Influence of ammonia, octanoate, quinolinate and hypoxic conditions on NAD(P)H fluorescence of hippocampal slices. Neurochemistry International, 1991, 18, 323-329.	3.8	1
65	Oxidation and reduction of 4-hydroxyalkenals catalyzed by isozymes of human alcohol dehydrogenase. Biochemistry, 1991, 30, 2514-2518.	2.5	72
66	The importance of alcohol dehydrogenase in regulation of ethanol metabolism in rat liver cells. Biochemical Journal, 1991, 278, 659-665.	3.7	22
67	NADH fluorescence and oxygen uptake responses of hybridoma cultures to substrate pulse and step changes. Biotechnology and Bioengineering, 1991, 37, 141-159.	3.3	57
68	Intracranial pressure and brain redox balance in rabbits. Canadian Journal of Anaesthesia, 1991, 38, 654-659.	1.6	15
69	Proton NMR observation of redox potential in liver. Biochemistry, 1992, 31, 11159-11165.	2.5	12
70	Effects of acute alcohol intoxication on gluconeogenesis and its hormonal responsiveness in isolated, perfused rat liver. Biochemical Pharmacology, 1992, 44, 1617-1624.	4.4	20
71	The effects of ethanol concentration on glycero-3-phosphate accumulation in the perfused rat liver. A reassessment of ethanol-induced inhibition of glycolysis using 31P-NMR spectroscopy and HPLC. FEBS Journal, 1992, 205, 187-194.	0.2	18
73	Type-2 astrocytes have much greater susceptibility to heat stress than type-1 astrocytes. Journal of Neuroscience Research, 1994, 38, 196-201.	2.9	9
74	Modulating hypoxia-induced hepatocyte injury by affecting intracellular redox state. Biochimica Et Biophysica Acta - Molecular Cell Research, 1995, 1269, 153-161.	4.1	75

#	Article	IF	Citations
75	Abolition of the inhibitory effect of ethanol oxidation on gluconeogenesis from lactate by asparagine or low concentrations of ammonia. Biochimica Et Biophysica Acta - General Subjects, 1995, 1244, 303-310.	2.4	6
76	Markers of cellular dysoxia during orthotopic liver transplantation in pigs. Intensive Care Medicine, 1998, 24, 268-275.	8.2	7
77	Regulation of NO-elicited pulmonary artery relaxation and guanylate cyclase activation by NADH oxidase and SOD. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H1535-H1542.	3.2	14
78	Relation of NADH/NAD to contraction in vascular smooth muscle. Molecular and Cellular Biochemistry, 1999, 194, 283-290.	3.1	12
79	Redox environment of the cell as viewed through the redox state of the glutathione disulfide/glutathione couple. Free Radical Biology and Medicine, 2001, 30, 1191-1212.	2.9	3,895
80	Human class IV alcohol dehydrogenase: kinetic mechanism, functional roles and medical relevance. Chemico-Biological Interactions, 2003, 143-144, 219-227.	4.0	44
81	Human $17\hat{l}^2$ -hydroxysteroid dehydrogenases types 1, 2, and 3 catalyze bi-directional equilibrium reactions, rather than unidirectional metabolism, in HEK-293 cells. Archives of Biochemistry and Biophysics, 2004, 429, 50-59.	3.0	57
82	Rise of Coenzyme Aâ€Glutathione Mixed Disulfide during Hydroperoxide Metabolism in Perfused Rat Liver. FEBS Journal, 1982, 127, 575-578.	0.2	25
83	Determination of oxidized and reduced nicotinamide adenine dinucleotide in cell monolayers using a single extraction procedure and a spectrophotometric assay. Analytical Biochemistry, 2005, 338, 131-135.	2.4	29
84	Conformational Dependence of Intracellular NADH on Metabolic State Revealed by Associated Fluorescence Anisotropy*♦. Journal of Biological Chemistry, 2005, 280, 25119-25126.	3.4	251
85	Pyridine Nucleotide Redox Abnormalities in Diabetes. Antioxidants and Redox Signaling, 2007, 9, 931-942.	5.4	74
86	Biological Redox Systems and Oxidative Stress. Cellular and Molecular Life Sciences, 2007, 64, 2181-2188.	5. 4	44
87	Determination of the cytosolic free NAD/NADH ratio in <i>Saccharomyces cerevisiae</i> under steadyâ€state and highly dynamic conditions. Biotechnology and Bioengineering, 2008, 100, 734-743.	3.3	109
88	Detailed kinetics and regulation of mammalian NAD-linked isocitrate dehydrogenase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1641-1651.	2.3	37
89	ETHANOL METABOLISM IN THE LIVER. Acta Pharmacologica Et Toxicologica, 1975, 36, 1-51.	0.0	9
90	Preferential utilization of NADPH as the endogenous electron donor for NAD(P)H:quinone oxidoreductase 1 (NQO1) in intact pulmonary arterial endothelial cells. Free Radical Biology and Medicine, 2009, 46, 25-32.	2.9	20
91	Establishment of steady-state metabolism of ethanol in perfused rat liver: the quantitative analysis using kinetic mechanism-based rate equations of alcohol dehydrogenase. Alcohol, 2010, 44, 541-551.	1.7	13
92	Free [NADH]/[NAD+] regulates sirtuin expression. Archives of Biochemistry and Biophysics, 2011, 512, 24-29.	3.0	43

#	Article	IF	CITATIONS
93	Imaging Cytosolic NADH-NAD+ Redox State with a Genetically Encoded Fluorescent Biosensor. Cell Metabolism, 2011, 14, 545-554.	16.2	431
94	Genetically Encoded Fluorescent Sensors for Intracellular NADH Detection. Cell Metabolism, 2011, 14, 555-566.	16.2	247
95	Ethanol Metabolism by HeLa Cells Transduced With Human Alcohol Dehydrogenase Isoenzymes: Control of the Pathway by Acetaldehyde Concentration. Alcoholism: Clinical and Experimental Research, 2011, 35, 28-38.	2.4	19
96	Oxidation of methanol, ethylene glycol, and isopropanol with human alcohol dehydrogenases and the inhibition by ethanol and 4-methylpyrazole. Chemico-Biological Interactions, 2011, 191, 26-31.	4.0	32
97	Cytosolic NADPH balancing in Penicillium chrysogenum cultivated on mixtures of glucose and ethanol. Applied Microbiology and Biotechnology, 2011, 89, 63-72.	3.6	9
98	Inhibition of human alcohol and aldehyde dehydrogenases by cimetidine and assessment of its effects on ethanol metabolism. Chemico-Biological Interactions, 2013, 202, 275-282.	4.0	16
99	Inhibition of human alcohol and aldehyde dehydrogenases by acetaminophen: Assessment of the effects on first-pass metabolism of ethanol. Alcohol, 2013, 47, 559-565.	1.7	29
100	Bangâ€Bang Model for Regulation of Local Blood Flow. Microcirculation, 2013, 20, 455-483.	1.8	29
101	From identification of fluorescent flavoproteins to mitochondrial redox indicators in intact tissues. Journal of Innovative Optical Health Sciences, 2014, 07, 1350058.	1.0	6
102	NADH-dependent biosensor in Saccharomyces cerevisiae: principle and validation at the single cell level. AMB Express, 2014, 4, 81.	3.0	26
103	Redox Pioneer: Professor Helmut Sies. Antioxidants and Redox Signaling, 2014, 21, 2459-2468.	5.4	17
104	Non-stationary 13C metabolic flux analysis of Chinese hamster ovary cells in batch culture using extracellular labeling highlights metabolic reversibility and compartmentation. BMC Systems Biology, 2014, 8, 50.	3.0	57
105	Mitochondria and Energy Metabolism: Networks, Mechanisms, and Control. Series in Cellular and Clinical Imaging, 2014, , 3-40.	0.2	1
106	The Redox Code. Antioxidants and Redox Signaling, 2015, 23, 734-746.	5.4	474
107	Inhibition of human alcohol and aldehyde dehydrogenases by aspirin and salicylate: Assessment of the effects on first-pass metabolism of ethanol. Biochemical Pharmacology, 2015, 95, 71-79.	4.4	22
108	Steadyâ€State Metabolism of Ethanol in Perfused Rat Livers Treated with Cyanamide: Quantitative Analysis of Acetaldehyde Effects on the Metabolic Flux Rates. Alcoholism: Clinical and Experimental Research, 2015, 39, 798-807.	2.4	4
109	Genetically encoded probes for NAD+/NADH monitoring. Free Radical Biology and Medicine, 2016, 100, 32-42.	2.9	36
110	Exposure Memory and Lung Regeneration. Annals of the American Thoracic Society, 2016, 13, S452-S461.	3.2	8

#	Article	IF	CITATIONS
111	Role of NAD+/NADH redox ratio in cell metabolism. Archives of Biochemistry and Biophysics, 2016, 595, 176-180.	3.0	9
112	Glutathione in metastases: From mechanisms to clinical applications. Critical Reviews in Clinical Laboratory Sciences, 2016, 53, 253-267.	6.1	47
113	Oxidative Stress. Annual Review of Biochemistry, 2017, 86, 715-748.	11.1	2,180
114	The Central Role of Amino Acids in Cancer Redox Homeostasis: Vulnerability Points of the Cancer Redox Code. Frontiers in Oncology, 2017, 7, 319.	2.8	79
115	Eight Kinetically Stable but Thermodynamically Activated Molecules that Power Cell Metabolism. Chemical Reviews, 2018, 118, 1460-1494.	47.7	194
116	Redox Paradox: A Novel Approach to Therapeutics-Resistant Cancer. Antioxidants and Redox Signaling, 2018, 29, 1237-1272.	5.4	93
117	Mitochondrial network responses in oxidative physiology and disease. Free Radical Biology and Medicine, 2018, 116, 31-40.	2.9	39
118	Equations to Support Redox Experimentation. Methods in Molecular Biology, 2019, 1990, 183-195.	0.9	2
119	Stability and sub-cellular localization of DNA polymerase \hat{l}^2 is regulated by interactions with NQO1 and XRCC1 in response to oxidative stress. Nucleic Acids Research, 2019, 47, 6269-6286.	14.5	19
120	Considerations of the importance of redox state for reactive nitrogen species action. Journal of Experimental Botany, 2019, 70, 4323-4331.	4.8	23
121	Oxidative stress and antioxidants in the pathophysiology of malignant melanoma. Biological Chemistry, 2019, 400, 589-612.	2.5	76
122	Signaling and Regulation Through the NAD ⁺ and NADP ⁺ Networks. Antioxidants and Redox Signaling, 2019, 30, 857-874.	5.4	15
123	An engineered enzyme that targets circulating lactate to alleviate intracellular NADH:NAD+ imbalance. Nature Biotechnology, 2020, 38, 309-313.	17.5	86
124	Nitric oxide, other reactive signalling compounds, redox, and reductive stress. Journal of Experimental Botany, 2021, 72, 819-829.	4.8	22
125	Uncovering the Invisible: Mono-ADP-ribosylation Moved into the Spotlight. Cells, 2021, 10, 680.	4.1	23
126	The Role of Alcohol Dehydrogenase in Drug Metabolism: Beyond Ethanol Oxidation. AAPS Journal, 2021, 23, 20.	4.4	22
127	Analysis of Cellular Electron Transport Systems in Liver and Other Organs by Absorbance and Fluorescence Techniques. Methods of Biochemical Analysis, 1980, 26, 285-325.	0.2	22
128	Energetic Aspects of Transport of ADP and ATP Through the Mitochondrial Membrane. Novartis Foundation Symposium, 1975, , 105-124.	1.1	13

#	Article	IF	CITATIONS
129	Electrochemical Aspects of Metabolism. , 1985, , 347-380.		7
130	Effect of Lactate and Pyruvate on Cerebrocortical Microcirculation and NAD/NADH Redox State. Advances in Experimental Medicine and Biology, 1984, 180, 159-167.	1.6	5
131	Redox Scanning in the Study of Metabolic Zonation of Liver. , 1986, , 185-207.		9
132	Rate-Limiting Steps in Ethanol Metabolism and Approaches to Changing These Rates Biochemically. Advances in Experimental Medicine and Biology, 1975, 56, 77-109.	1.6	47
133	Effect of Acute and Chronic Administration of Ethanol on the Redox States of Brain and Liver. , 1979 , , $191-247$.		6
134	Organ Absorbance and Fluorescence Spectrophotometry and its Application to Oxygen-Dependent Parameters. Advances in Experimental Medicine and Biology, 1978, 94, 119-125.	1.6	2
135	Rate-Determining Factors for Ethanol Metabolism in Vivo during Fasting. , 1980, 132, 489-496.		14
136	Live-Cell Imaging of Cytosolic NADH–NAD+ Redox State Using a Genetically Encoded Fluorescent Biosensor. Methods in Molecular Biology, 2014, 1071, 83-95.	0.9	47
137	Control of alcohol metabolism. , 1994, 71, 311-322.		4
138	An electrochemical description of metabolism. , 1995, , 134-158.		12
139	Interactions between Mitochondria and Cytoplasm in Isolated Hepatocytes. Current Topics in Cellular Regulation, 1992, 33, 309-328.	9.6	16
140	High-Resolution Fluorescence and Phase Microscopy in Conjunction with Micromanipulation for in Situ Study of Metabolism in Living Cells. , 1989 , , $87-98$.		2
141	REDOX COMPARTMENTATION; A SURVEY WITH EMPHASIS ON CURRENT PROBLEMS. , 1977, , 47-64.		8
142	The interaction between the cytosolic pyridine nucleotide redox potential and gluconeogenesis from lactate/pyruvate in isolated rat hepatocytes. Implications for investigations of hormone action Journal of Biological Chemistry, 1985, 260, 12748-12753.	3.4	63
143	Evolution of duplicated lactate dehydrogenase isozymes in salmon. Abortive ternary complex formation and breakdown Journal of Biological Chemistry, 1977, 252, 5708-5715.	3.4	8
144	A comparison of the effects of glucose and acetylcholine on insulin release and intermediary metabolism in rat pancreatic islets Journal of Biological Chemistry, 1979, 254, 3921-3929.	3.4	34
145	Characteristics of Ethanol and Acetaldehyde Oxidation on Flavin and Pyridine Nucleotide Fluorescence Changes in Perfused Rat Liver. Journal of Biological Chemistry, 1974, 249, 7956-7963.	3.4	44
146	Rat liver cytosolic malate dehydrogenase: purification, kinetic properties, role in control of free cytosolic NADH concentration. Analysis of control of ethanol metabolism using computer simulation Journal of Biological Chemistry, 1982, 257, 14217-14225.	3.4	38

#	ARTICLE	IF	CITATIONS
147	Mitochondrial dysfunction remodels one-carbon metabolism in human cells. ELife, 2016, 5, .	6.0	332
149	Evaluation of Glucose Metabolism in Vitro: Altered Competence of Intermediary Metabolism as an Index of Hepatotoxicity., 1994,, 152-163.		2
150	Metabolic interventions against complex I deficiency in MELAS syndrome. , 1997, , 291-296.		13
151	Coupled Processes in Mitochondria. , 1983, , 1-59.		0
152	Metabolic interventions against complex I deficiency in MELAS syndrome. Molecular and Cellular Biochemistry, 1997, 174, 291-6.	3.1	11
153	NADH inhibition of SIRT1 links energy state to transcription during time-restricted feeding. Nature Metabolism, 2021, 3, 1621-1632.	11.9	26
154	Cancer cells depend on environmental lipids for proliferation when electron acceptors are limited. Nature Metabolism, 2022, 4, 711-723.	11.9	29
155	Reactive oxygen, nitrogen, and sulfur species cellular crosstalk. , 2024, , 247-271.		0
156	Metabolic priming by multiple enzyme systems supports glycolysis, HIF1α stabilisation, and human cancer cell survival in early hypoxia. EMBO Journal, 2024, 43, 1545-1569.	7.8	O