

David F Wilson

List of Publications by Year in descending order

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265
papers

10,988
citations

25423

59
h-index

45040

94
g-index

267
all docs

267
docs citations

267
times ranked

5716
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of Eukaryotic Energy Metabolism: The Intramitochondrial and Cytosolic Energy States ([ATP]f/[ADP]f[Pi]). <i>International Journal of Molecular Sciences</i> , 2022, 23, 5550.	1.8	6
2	Renal microvascular oxygen tension during hyperoxia and acute hemodilution assessed by phosphorescence quenching and excitation with blue and red light. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 214-225.	0.7	5
3	Metabolic Homeostasis in Life as We Know It: Its Origin and Thermodynamic Basis. <i>Frontiers in Physiology</i> , 2021, 12, 658997.	1.3	20
4	Impact of sodium glucose linked cotransporterâ€² inhibition on renal microvascular oxygen tension in a rodent model of diabetes mellitus. <i>Physiological Reports</i> , 2021, 9, e14890.	0.7	13
5	Cerebrovascular Blood Flow Design and Regulation; Vulnerability in Aging Brain. <i>Frontiers in Physiology</i> , 2020, 11, 584891.	1.3	6
6	Renal tissue Po ₂ sensing during acute hemodilution is dependent on the diluent. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2020, 318, R799-R812.	0.9	8
7	Ethanol metabolism: The good, the bad, and the ugly. <i>Medical Hypotheses</i> , 2020, 140, 109638.	0.8	57
8	Hyperbaric oxygen toxicity in brain: A case of hyperoxia induced hypoglycemic brain syndrome. <i>Medical Hypotheses</i> , 2019, 132, 109375.	0.8	11
9	Reply to "Letter to the Editor: Two of the significant omissions from a "general" model of respiratory energy transduction" <i>Journal of Applied Physiology</i> , 2019, 126, 1172-1172.	1.2	0
10	The Central Role of Glucokinase in Glucose Homeostasis: A Perspective 50 Years After Demonstrating the Presence of the Enzyme in Islets of Langerhans. <i>Frontiers in Physiology</i> , 2019, 10, 148.	1.3	179
11	Oxygen dependence of glucose sensing: role in glucose homeostasis and related pathology. <i>Journal of Applied Physiology</i> , 2019, 126, 1746-1755.	1.2	14
12	Metabolic homeostasis: oxidative phosphorylation and the metabolic requirements of higher plants and animals. <i>Journal of Applied Physiology</i> , 2018, 125, 1183-1192.	1.2	15
13	Glutamate dehydrogenase: role in regulating metabolism and insulin release in pancreatic Î²-cells. <i>Journal of Applied Physiology</i> , 2018, 125, 419-428.	1.2	16
14	Experimental assessment of oxygen homeostasis during acute hemodilution: the integrated role of hemoglobin concentration and blood pressure. <i>Intensive Care Medicine Experimental</i> , 2017, 5, 12.	0.9	8
15	Oxidative phosphorylation: regulation and role in cellular and tissue metabolism. <i>Journal of Physiology</i> , 2017, 595, 7023-7038.	1.3	175
16	The thermodynamic basis of glucose-stimulated insulin release: a model of the core mechanism. <i>Physiological Reports</i> , 2017, 5, e13327.	0.7	16
17	Oxidative phosphorylation: unique regulatory mechanism and role in metabolic homeostasis. <i>Journal of Applied Physiology</i> , 2017, 122, 611-619.	1.2	26
18	Granulocyte colony-stimulating factor significantly decreases density of hippocampal caspase 3-positive nuclei, thus ameliorating apoptosis-mediated damage, in a model of ischaemic neonatal brain injury. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2017, 25, 600-605.	0.5	5

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19	Regulation of metabolism: the work-to-rest transition in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E633-E642.	1.8	15
20	Mitochondrial cytochrome <i>c</i> oxidase: Mechanism of action and role in regulating oxidative phosphorylation: Reply to Pannala, Beard, and Dash. <i>Journal of Applied Physiology</i> , 2015, 119, 158-158.	1.2	10
21	Regulation of metabolism: the rest-to-work transition in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E793-E801.	1.8	17
22	Programming and regulation of metabolic homeostasis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 308, E506-E517.	1.8	28
23	Granulocyte Colony Stimulating Factor Reduces Brain Injury in a Cardiopulmonary Bypass-Circulatory Arrest Model of Ischemia in a Newborn Piglet. <i>Neurochemical Research</i> , 2014, 39, 2085-2092.	1.6	9
24	Mitochondrial cytochrome <i>c</i> oxidase and control of energy metabolism: measurements in suspensions of isolated mitochondria. <i>Journal of Applied Physiology</i> , 2014, 117, 1424-1430.	1.2	25
25	Mitochondrial cytochrome <i>c</i> oxidase: mechanism of action and role in regulating oxidative phosphorylation. <i>Journal of Applied Physiology</i> , 2014, 117, 1431-1439.	1.2	30
26	Regulation of cellular metabolism: programming and maintaining metabolic homeostasis. <i>Journal of Applied Physiology</i> , 2013, 115, 1583-1588.	1.2	32
27	Quantitative assessment of brain microvascular and tissue oxygenation during cardiac arrest and resuscitation in pigs. <i>Anaesthesia</i> , 2013, 68, 723-735.	1.8	28
28	Treatment with a Highly Selective \hat{I}^21 Antagonist Causes Dose-Dependent Impairment of Cerebral Perfusion After Hemodilution in Rats. <i>Anesthesia and Analgesia</i> , 2013, 116, 649-662.	1.1	28
29	Simultaneous Monitoring of Brain and Skin Oxygenation During Haemorrhagic Shock in Piglets. <i>Advances in Experimental Medicine and Biology</i> , 2013, 789, 51-57.	0.8	2
30	Granulocyte-colony stimulating factor suppresses early inflammatory response of striatum in a cardiopulmonary bypass-circulatory arrest model of ischemic brain injury in newborn piglets. <i>World Journal of Cardiovascular Diseases</i> , 2013, 03, 197-205.	0.0	2
31	Glucokinase activation repairs defective bioenergetics of islets of Langerhans isolated from type 2 diabetics. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E87-E102.	1.8	81
32	Oxygen, pH, and mitochondrial oxidative phosphorylation. <i>Journal of Applied Physiology</i> , 2012, 113, 1838-1845.	1.2	48
33	Effect of granulocyte-colony stimulating factor on expression of selected proteins involved in regulation of apoptosis in the brain of newborn piglets after cardiopulmonary bypass and deep hypothermic circulatory arrest. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 1436-1442.	0.4	18
34	Monitoring Cardiopulmonary Function and Progression Toward Shock: Oxygen Micro-sensor for Peripheral Tissue. <i>Advances in Experimental Medicine and Biology</i> , 2012, 737, 221-227.	0.8	6
35	Evaluation of phototoxicity of dendritic porphyrin-based phosphorescent oxygen probes: an in vitro study. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1056-1065.	1.6	37
36	Two New "Protected" Oxyphors for Biological Oximetry: Properties and Application in Tumor Imaging. <i>Analytical Chemistry</i> , 2011, 83, 8756-8765.	3.2	201

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37	Measuring Oxygen in Living Tissue: Intravascular, Interstitial, and "Tissue" Oxygen Measurements. <i>Advances in Experimental Medicine and Biology</i> , 2011, 701, 53-59.	0.8	12
38	Measuring In Vivo Metabolite Levels in Brain. <i>Sleep</i> , 2011, 34, 837-837.	0.6	6
39	Effect of deep hypothermic circulatory arrest followed by low-flow cardiopulmonary bypass on brain metabolism in newborn piglets: Comparison of pH-stat and $\text{I}\ddot{\text{a}}\text{-stat}$ management. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e79-e86.	0.2	6
40	Oxygen-dependent quenching of phosphorescence used to characterize improved myocardial oxygenation resulting from vasculogenic cytokine therapy. <i>Journal of Applied Physiology</i> , 2011, 110, 1460-1465.	1.2	12
41	Metoprolol impairs resistance artery function in mice. <i>Journal of Applied Physiology</i> , 2011, 111, 1125-1133.	1.2	28
42	Priming of hypoxia-inducible factor by neuronal nitric oxide synthase is essential for adaptive responses to severe anemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17544-17549.	3.3	65
43	Palmitic acid acutely inhibits acetylcholine- but not GLP-1-stimulated insulin secretion in mouse pancreatic islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E475-E485.	1.8	21
44	Reply to Sakurai. Brain injury in cardiopulmonary bypass surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 782-783.	0.6	0
45	Dendritic Phosphorescent Probes for Oxygen Imaging in Biological Systems. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1292-1304.	4.0	194
46	Metoprolol Reduces Cerebral Tissue Oxygen Tension after Acute Hemodilution in Rats. <i>Anesthesiology</i> , 2009, 111, 988-1000.	1.3	76
47	Resuscitation with 100%, compared with 21%, oxygen following brief, repeated periods of apnea can protect vulnerable neonatal brain regions from apoptotic injury. <i>Resuscitation</i> , 2008, 76, 261-270.	1.3	13
48	The Pervasive Presence of Fluctuating Oxygenation in Tumors. <i>Cancer Research</i> , 2008, 68, 5812-5819.	0.4	163
49	Quantifying the role of oxygen pressure in tissue function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H11-H13.	1.5	50
50	Oxygen Pressures in the Interstitial Space of Skeletal Muscle and Tumors in vivo. <i>Advances in Experimental Medicine and Biology</i> , 2008, 614, 53-62.	0.8	14
51	Rat carotid body chemosensory discharge and glomus cell HIF-1 β expression in vitro: regulation by a common oxygen sensor. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R829-R836.	0.9	8
52	Brain oxygen and metabolism is dependent on the rate of low-flow cardiopulmonary bypass following circulatory arrest in newborn piglets†. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 899-905.	0.6	12
53	Response of Brain Oxygenation and Metabolism to Deep Hypothermic Circulatory Arrest in Newborn Piglets: Comparison of pH-Stat and Alpha-Stat Strategies. <i>Annals of Thoracic Surgery</i> , 2007, 84, 170-176.	0.7	20
54	Measurements of the Effective Diffusion Coefficient of Oxygen in Pancreatic Islets. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6157-6163.	1.8	32

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55	Reply to Tsai, Cabrales, Johnson, and Intaglietta. <i>Journal of Applied Physiology</i> , 2007, 102, 2083-2083.	1.2	1
56	Regulation of Brain Cell Death and Survival After Cardiopulmonary Bypass. <i>Annals of Thoracic Surgery</i> , 2006, 82, 2247-2253.	0.7	10
57	Feasibility of diffuse optical imaging with long-lived luminescent probes. <i>Optics Letters</i> , 2006, 31, 1082.	1.7	16
58	Tomographic imaging of oxygen by phosphorescence lifetime. <i>Applied Optics</i> , 2006, 45, 8547.	2.1	64
59	Oxygen pressures in the interstitial space and their relationship to those in the blood plasma in resting skeletal muscle. <i>Journal of Applied Physiology</i> , 2006, 101, 1648-1656.	1.2	106
60	Brain oxygen and metabolism during circulatory arrest with intermittent brief periods of low-flow cardiopulmonary bypass in newborn piglets. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 839-844.	0.4	9
61	Cholinergic regulation of fuel-induced hormone secretion and respiration of SUR1 ^{-/-} mouse islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E525-E535.	1.8	27
62	Brain oxygenation and metabolism during selective cerebral perfusion in neonates. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 29, 168-174.	0.6	18
63	Imaging Oxygen Pressure in the Rodent Retina by Phosphorescence Lifetime. , 2006, 578, 119-124.		9
64	Brain Injury Following Repetitive Apnea in Newborn Piglets. , 2006, 578, 323-329.		2
65	CREB phosphorylation following hypoxia and ischemia in striatum of newborn piglets: Possible role of dopamine. <i>Brain Research</i> , 2005, 1040, 169-177.	1.1	4
66	Brain Oxygenation and Metabolism during Repetitive Apnea with Resuscitation of 21% and 100% Oxygen in Newborn Piglets. <i>Neurochemical Research</i> , 2005, 30, 1453-1461.	1.6	6
67	Cerebral Oxygenation During Repetitive Apnea in Newborn Piglets. , 2005, 566, 1-7.		4
68	Imaging Oxygen Pressure in the Retina of the Mouse Eye. , 2005, 566, 159-165.		11
69	Immediate and Long-Term Responses of the Carotid Body to High Altitude. <i>High Altitude Medicine and Biology</i> , 2005, 6, 97-111.	0.5	29
70	Oxygen distribution in murine tumors: characterization using oxygen-dependent quenching of phosphorescence. <i>Journal of Applied Physiology</i> , 2005, 98, 1503-1510.	1.2	90
71	Oxygen distribution and vascular injury in the mouse eye measured by phosphorescence-lifetime imaging. <i>Applied Optics</i> , 2005, 44, 5239.	2.1	46
72	Circulatory Arrest and Low-Flow Cardiopulmonary Bypass Alter CREB Phosphorylation in Piglet Brain. <i>Annals of Thoracic Surgery</i> , 2005, 80, 245-250.	0.7	8

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73	3D Imaging of Oxygen in Tissue by Diffuse Near Infra-Red Light. , 2005, , .		0
74	Identifying Oxygen Sensors by Their Photochemical Action Spectra. <i>Methods in Enzymology</i> , 2004, 381, 690-704.	0.4	5
75	Measurement of Muscle Microvascular Oxygen Pressures: Compartmentalization of Phosphorescent Probe. <i>Microcirculation</i> , 2004, 11, 317-326.	1.0	73
76	Comparison of low-flow cardiopulmonary bypass and circulatory arrest on brain oxygen and metabolism. <i>Annals of Thoracic Surgery</i> , 2004, 77, 2138-2143.	0.7	22
77	Phosphorescence lifetime imaging in turbid media: the inverse problem and experimental image reconstruction. <i>Applied Optics</i> , 2004, 43, 564.	2.1	18
78	Tissue oxygen tension during regional low-flow perfusion in neonates. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 125, 472-480.	0.4	36
79	Effect of perfusion flow rate on tissue oxygenation in newborn piglets during cardiopulmonary bypass. <i>Annals of Thoracic Surgery</i> , 2003, 75, 560-565.	0.7	9
80	Altered Gene Expression Following Cardiopulmonary Bypass and Circulatory Arrest. <i>Advances in Experimental Medicine and Biology</i> , 2003, 530, 391-399.	0.8	1
81	Oxygen Distributions in Tissue Measured by Phosphorescence Quenching. <i>Advances in Experimental Medicine and Biology</i> , 2003, 510, 181-185.	0.8	22
82	Effect of Hypoxia and Ischemia on Expression of Selected Genes in Brain of Newborn Piglets. <i>Advances in Experimental Medicine and Biology</i> , 2003, 510, 319-324.	0.8	1
83	Brain Oxygenation During Cardiopulmonary Bypass and Circulatory Arrest. <i>Advances in Experimental Medicine and Biology</i> , 2003, 510, 325-330.	0.8	13
84	Monitoring the Dynamics of Tissue Oxygenation in Vivo by Phosphorescence Quenching. <i>Advances in Experimental Medicine and Biology</i> , 2003, 540, 1-5.	0.8	4
85	A Micro-Light Guide System for Measuring Oxygen by Phosphorescence Quenching. <i>Advances in Experimental Medicine and Biology</i> , 2003, 540, 117-123.	0.8	2
86	<title>Pd tetrabenzoporphyrin-dendrimers: near-infrared phosphors for oxygen measurements by phosphorescence quenching</title>. , 2002, , .		4
87	<title>Oxygen distributions within tissue by phosphorescence quenching</title>. , 2002, , .		3
88	Phosphorescent Pd Porphyrin~Dendrimers:~ Tuning Core Accessibility by Varying the Hydrophobicity of the Dendritic Matrix. <i>Macromolecules</i> , 2002, 35, 1991-1993.	2.2	85
89	Effect of catecholamines on activity of Na+, K+-ATPase in neonatal piglet brain during posthypoxic reoxygenation. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 132, 139-145.	0.8	8
90	A method for measuring oxygen distributions in tissue using frequency domain phosphorometry. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 132, 147-152.	0.8	39

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91	Measurement of tumor oxygenation using new frequency domain phosphorimeters. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 132, 153-159.	0.8	24
92	Relationships of Dopamine, Cortical Oxygen Pressure, and Hydroxyl Radicals in Brain of Newborn Piglets During Hypoxia and Posthypoxic Recovery. <i>Journal of Neurochemistry</i> , 2002, 65, 1205-1212.	2.1	29
93	Oxyphor R2 and G2: phosphors for measuring oxygen by oxygen-dependent quenching of phosphorescence. <i>Analytical Biochemistry</i> , 2002, 310, 191-198.	1.1	269
94	Frequency domain instrument for measuring phosphorescence lifetime distributions in heterogeneous samples. <i>Review of Scientific Instruments</i> , 2001, 72, 3396-3406.	0.6	111
95	Electrostatic Core Shielding in Dendritic Polyglutamic Porphyrins. <i>Chemistry - A European Journal</i> , 2000, 6, 2456-2461.	1.7	50
96	Recursive Maximum Entropy Algorithm and its Application to the Luminescence Lifetime Distribution Recovery. <i>Applied Spectroscopy</i> , 2000, 54, 849-855.	1.2	46
97	Dendritic Polyglutamic Porphyrins: Probing Porphyrin Protection by Oxygen-Dependent Quenching of Phosphorescence. <i>Chemistry - A European Journal</i> , 1999, 5, 1338-1347.	1.7	124
98	Excitatory amino acid receptor antagonists decrease hypoxia induced increase in extracellular dopamine in striatum of newborn piglets. <i>Neurochemistry International</i> , 1998, 32, 281-289.	1.9	9
99	Tissue Oxygen Sensing and the Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 1998, 454, 447-454.	0.8	4
100	Oxygen Distributions within R3230AC Tumors Growing in Dorsal Flap Window Chambers in Rats. <i>Advances in Experimental Medicine and Biology</i> , 1998, 454, 603-609.	0.8	10
101	Tissue Oxygen Pressure and Oxygen Sensing by the Carotid Body. , 1998, , 377-387.		0
102	A New, Water Soluble, Phosphor for Oxygen Measurements in Vivo. <i>Advances in Experimental Medicine and Biology</i> , 1997, 428, 651-656.	0.8	57
103	Intravascular oxygen distribution in subcutaneous 9L tumors and radiation sensitivity. <i>Journal of Applied Physiology</i> , 1997, 82, 1939-1945.	1.2	20
104	Effect of hemorrhagic hypotension on cortical oxygen pressure and striatal extracellular dopamine in cat brain. <i>Neurochemical Research</i> , 1997, 22, 1111-1117.	1.6	3
105	âœDendriticâœPorphyrins. <i>Advances in Experimental Medicine and Biology</i> , 1997, , 657-662.	0.8	15
106	Response of Cortical Oxygen and Striatal Extracellular Dopamine to Metabolic Acidosis in Newborn Piglets. <i>Advances in Experimental Medicine and Biology</i> , 1997, 411, 103-112.	0.8	7
107	Extended Porphyrins. <i>Advances in Experimental Medicine and Biology</i> , 1997, , 597-603.	0.8	19
108	The effect of hypoxia and catecholamines on regional expression of heat-shock protein-72 mRNA in neonatal piglet brain. <i>Brain Research</i> , 1996, 727, 145-152.	1.1	18

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109	The effects of induced apneic episodes on cerebral cortical oxygenation in newborn piglets. <i>Brain Research</i> , 1996, 741, 160-165.	1.1	12
110	Calibration of Oxygen-Dependent Quenching of the Phosphorescence of Pd-meso-tetra (4-Carboxyphenyl) Porphine: A Phosphor with General Application for Measuring Oxygen Concentration in Biological Systems. <i>Analytical Biochemistry</i> , 1996, 236, 153-160.	1.1	228
111	Oxygen Dependent Quenching of Phosphorescence. <i>Advances in Experimental Medicine and Biology</i> , 1996, 388, 101-107.	0.8	15
112	Cytochrome Oxidase is the Primary Oxygen Sensor in the Cat Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 1996, 388, 213-217.	0.8	6
113	Regulation of oxidative metabolism and blood flow in skeletal muscle. <i>Medicine and Science in Sports and Exercise</i> , 1996, 28, 305-314.	0.2	4
114	Metallotetrabenzoporphyrins. New phosphorescent probes for oxygen measurements. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 103.	0.9	113
115	Comparison of Postasphyxial Resuscitation with 100% and 21% Oxygen on Cortical Oxygen Pressure and Striatal Dopamine Metabolism in Newborn Piglets. <i>Journal of Neurochemistry</i> , 1995, 64, 292-298.	2.1	48
116	Energy Metabolism in Cellular Membranes. <i>Comprehensive Chemical Kinetics</i> , 1995, 39, 231-278.	2.3	1
117	Relationship of extracellular dopamine in striatum of newborn piglets to cortical oxygen pressure. <i>Neurochemical Research</i> , 1994, 19, 649-655.	1.6	48
118	3,4-Dihydroxyphenylalanine (DOPA) metabolism and retinoic acid induced differentiation in human neuroblastoma. <i>Neurochemical Research</i> , 1994, 19, 1487-1494.	1.6	11
119	The primary oxygen sensor of the cat carotid body is cytochrome _{a3} of the mitochondrial respiratory chain. <i>FEBS Letters</i> , 1994, 351, 370-374.	1.3	115
120	Effect of hypoxia and reoxygenation on the activity of transglutaminase in brain of newborn piglets. <i>Neuroscience Letters</i> , 1994, 172, 42-46.	1.0	2
121	Effect of hemorrhagic hypotension on extracellular level of dopamine, cortical oxygen pressure and blood flow in brain of newborn piglets. <i>Neuroscience Letters</i> , 1994, 180, 247-252.	1.0	22
122	Recent Advances in Oxygen Measurements Using Phosphorescence Quenching. <i>Advances in Experimental Medicine and Biology</i> , 1994, 361, 61-66.	0.8	7
123	Oxygenation of Tumors as Evaluated by Phosphorescence Imaging. <i>Advances in Experimental Medicine and Biology</i> , 1994, 345, 539-547.	0.8	11
124	The Effect of Neurocadin on Protein Phosphorylation in Striatal Synaptosomes from Rat Brain. <i>Journal of Neurochemistry</i> , 1993, 60, 1220-1227.	2.1	0
125	Activity of Tyrosine Hydroxylase in the Striatum of Newborn Piglets in Response to Hypocapnic Hypoxia. <i>Journal of Neurochemistry</i> , 1993, 60, 1399-1405.	2.1	14
126	Effects of Graded Levels of Tissue Oxygen Pressure on Dopamine Metabolism in the Striatum of Newborn Piglets. <i>Journal of Neurochemistry</i> , 1993, 60, 161-166.	2.1	61

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127	Oxygen distribution in the retinal and choroidal vessels of the cat as measured by a new phosphorescence imaging method. <i>Applied Optics</i> , 1992, 31, 3711.	2.1	102
128	Dependence of carotid chemosensory responses on metabolic substrates. <i>Brain Research</i> , 1992, 596, 80-88.	1.1	5
129	Activation of striatal tyrosine hydroxylase by neurocatin, a neuroregulator from mammalian brain. <i>Neurochemical Research</i> , 1992, 17, 657-663.	1.6	1
130	Effect of Hydroperoxy Fatty Acids on Acylation and Deacylation of Arachidonoyl Groups in Synaptic Phospholipids. <i>Journal of Neurochemistry</i> , 1992, 58, 107-115.	2.1	6
131	Oxygen Dependence of Neuronal Metabolism. , 1992, , 85-101.		2
132	Monitoring of the Oxygen Pressure in the Blood of Live Animals Using the Oxygen Dependent Quenching of Phosphorescence. <i>Advances in Experimental Medicine and Biology</i> , 1992, 316, 179-185.	0.8	80
133	Role of intramitochondrial pH in the energetics and regulation of mitochondrial oxidative phosphorylation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1991, 1058, 113-120.	0.5	14
134	Neurocatin-induced inhibition of monoamine oxidase a in rat brain synaptosomes. <i>Biochemical Pharmacology</i> , 1991, 42, 2351-2354.	2.0	5
135	Factors Affecting Adaptation of the Mitochondrial Enzyme Content to Cellular Needs. , 1991, , 14-24.		2
136	Purification of neurocatin, a neuroregulatory factor from brain. <i>Neuroscience Letters</i> , 1990, 114, 213-219.	1.0	5
137	Effects of dl-2-Amino-5-Phosphonovalerate on Metabolism of Catecholamines in Synaptosomes from Rat Brain. <i>Journal of Neurochemistry</i> , 1989, 52, 54-60.	2.1	11
138	Lipid Hydroperoxides Inhibit Reacylation of Phospholipids in Neuronal Membranes. <i>Journal of Neurochemistry</i> , 1989, 52, 255-260.	2.1	65
139	Modulation of catecholamine metabolism in synaptosomes by a neuroregulatory factor from mammalian brain. <i>Neuroscience Letters</i> , 1989, 98, 111-117.	1.0	4
140	Inhibition of [1-14C] Arachidonate Incorporation into Synaptosomal Phospholipids by Lipid Peroxides. <i>Annals of the New York Academy of Sciences</i> , 1989, 559, 500-501.	1.8	0
141	Contribution of Diffusion to the Oxygen Dependence of Energy Metabolism in Human Neuroblastoma Cells. <i>Advances in Experimental Medicine and Biology</i> , 1989, 248, 829-833.	0.8	5
142	Phosphorimeters for analysis of decay profiles and real time monitoring of exponential decay and oxygen concentrations. <i>Analytical Biochemistry</i> , 1988, 174, 73-79.	1.1	42
143	Factors Modulating the Oxygen Dependence of Mitochondrial Oxidative Phosphorylation. <i>Advances in Experimental Medicine and Biology</i> , 1988, 222, 121-131.	0.8	27
144	Regulation of calcium uptake in synaptosomes from rat brain by DL-2-amino-5-phosphonovaleric acid. <i>FEBS Letters</i> , 1987, 218, 189-194.	1.3	6

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145	Cysteine sulfinat modulated calcium permeability in synaptosomes from rat brain. <i>Neuroscience Letters</i> , 1987, 82, 71-76.	1.0	1
146	Azide binding to cytochrome c oxidase. <i>Bioelectrochemistry</i> , 1987, 17, 369-381.	1.0	4
147	Site of azide interaction with cytochrome c oxidase in submitochondrial particles from pigeon breast muscle. <i>Bioelectrochemistry</i> , 1987, 17, 383-397.	1.0	1
148	The role of peroxides in mitochondrial reduction of dioxygen to water. <i>Bioelectrochemistry</i> , 1987, 18, 51-58.	1.0	2
149	Ammonia-Induced Release of Neurotransmitters from Rat Brain Synaptosomes: Differences Between the Effects on Amines and Amino Acids. <i>Journal of Neurochemistry</i> , 1987, 49, 1258-1265.	2.1	59
150	The Mitochondrial Respiratory Chain Energetics and Control. , 1987, , 301-336.		0
151	Dependence of the 3-OH-Butyrate Dehydrogenase and Cytochrome c Oxidase Reactions on Intramitochondrial pH. , 1987, , 347-356.		0
152	The role of glial cells in regulation of neurotransmitter amino acids in the external environment. II. Mechanism of aspartate transport. <i>Brain Research</i> , 1986, 369, 203-214.	1.1	44
153	A Role for Transglutaminase in Neurotransmitter Release by Rat Brain Synaptosomes. <i>Journal of Neurochemistry</i> , 1986, 46, 499-508.	2.1	65
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