

NAD(H) and NADP(H) Redox Couples and Cellular Energy

Antioxidants and Redox Signaling

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Redox Paradox: A Novel Approach to Therapeutics-Resistant Cancer. <i>Antioxidants and Redox Signaling</i> , 2018, 29, 1237-1272.	2.5	93
2	Nicotine Adenine Dinucleotides: The Redox Currency of the Cell. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 165-166.	2.5	6
3	Discriminant Analysis of Muscle Tissue Type in Yellowtail & Seriola Quinqueradiata Muscle Based on Metabolic Component Profiles. <i>Food Science and Technology Research</i> , 2018, 24, 883-891.	0.3	8
4	Non-transcriptional processes in circadian rhythm generation. <i>Current Opinion in Physiology</i> , 2018, 5, 117-132.	0.9	37
5	Response Mechanisms to Oxidative Stress in Yeast and Filamentous Fungi. , 2018, , 1-34.		3
6	CsPbBr ₃ perovskite quantum dots/ZnO inverse opal electrodes: photoelectrochemical sensing for dihydronicotinamide adenine dinucleotide under visible irradiation. <i>Dalton Transactions</i> , 2018, 47, 10057-10062.	1.6	28
7	Regulation of tNOX expression through the ROS-p53-POU3F2 axis contributes to cellular responses against oxaliplatin in human colon cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 161.	3.5	24
8	Bioenergetics and translational metabolism: implications for genetics, physiology and precision medicine. <i>Biological Chemistry</i> , 2019, 401, 3-29.	1.2	41
9	Metal Oxide Mediated Extracellular NADPH Regeneration Improves Ethanol Production by Engineered <i>Synechocystis</i> sp. PCC 6803. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 148.	2.0	6
10	Cytoprotective Effects of Dinitrosyl Iron Complexes on Viability of Human Fibroblasts and Cardiomyocytes. <i>Frontiers in Pharmacology</i> , 2019, 10, 1277.	1.6	10
11	Subcellular Characterization of Nicotinamide Adenine Dinucleotide Biosynthesis in Metastatic Melanoma by Using Organelle-Specific Biosensors. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 1150-1165.	2.5	9
12	Resveratrol and resveratrol-hydroxypropyl- β -cyclodextrin complex recovered the changes of creatine kinase and Na ⁺ , K ⁺ -ATPase activities found in the spleen from streptozotocin-induced diabetic rats. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20181330.	0.3	8
13	Live cell imaging of signaling and metabolic activities. , 2019, 202, 98-119.		41
14	The molecular rationale for therapeutic targeting of glutamine metabolism in pulmonary hypertension. <i>Expert Opinion on Therapeutic Targets</i> , 2019, 23, 511-524.	1.5	19
15	Saturated Fatty Acid Activates T Cell Inflammation Through a Nicotinamide Nucleotide Transhydrogenase (NNT)-Dependent Mechanism. <i>Biomolecules</i> , 2019, 9, 79.	1.8	19
16	Mito-Nuclear Communication by Mitochondrial Metabolites and Its Regulation by B-Vitamins. <i>Frontiers in Physiology</i> , 2019, 10, 78.	1.3	38
17	Sirtuin-1 ameliorates cadmium-induced endoplasmic reticulum stress and pyroptosis through XBP-1s deacetylation in human renal tubular epithelial cells. <i>Archives of Toxicology</i> , 2019, 93, 965-986.	1.9	94
18	Electron Communication of <i>Bacillus subtilis</i> in Harsh Environments. <i>IScience</i> , 2019, 12, 260-269.	1.9	27

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19	Age- and AD-related redox state of NADH in subcellular compartments by fluorescence lifetime imaging microscopy. <i>GeroScience</i> , 2019, 41, 51-67.	2.1	35
20	Natural Sesquiterpene Lactones Enhance Chemosensitivity of Tumor Cells through Redox Regulation of STAT3 Signaling. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-16.	1.9	14
21	Investigating RNA expression profiles altered by nicotinamide mononucleotide therapy in a chronic model of alcoholic liver disease. <i>Human Genomics</i> , 2019, 13, 65.	1.4	13
22	Targeting NAD ⁺ Metabolism to Enhance Radiation Therapy Responses. <i>Seminars in Radiation Oncology</i> , 2019, 29, 6-15.	1.0	22
23	Disorders in NADPH generation via pentose phosphate pathway influence the reproductive potential of the <i>Saccharomyces cerevisiae</i> yeast due to changes in redox status. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 8521-8533.	1.2	19
24	Metabolism reprogrammed by the nitric oxide signalling molecule. <i>Nature</i> , 2019, 565, 33-34.	13.7	7
25	Supramolecular Luminescent Sensors. <i>Chemical Reviews</i> , 2019, 119, 322-477.	23.0	520
26	A battery of translational biomarkers for the assessment of the inÂvitro and inÂvivo antioxidant action of plant polyphenolic compounds: The biomarker issue. <i>Current Opinion in Toxicology</i> , 2019, 13, 99-109.	2.6	49
27	Role of coenzymes in cancer metabolism. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 44-53.	2.3	25
28	Metabolic Responses to Reductive Stress. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1330-1347.	2.5	211
29	Matrix Redox Physiology Governs the Regulation of Plant Mitochondrial Metabolism through Posttranslational Protein Modifications. <i>Plant Cell</i> , 2020, 32, 573-594.	3.1	70
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34	Oxidative stress resulting from the removal of endogenous catalase induces obesity by promoting hyperplasia and hypertrophy of white adipocytes. <i>Redox Biology</i> , 2020, 37, 101749.	3.9	38
35	NADPH homeostasis in cancer: functions, mechanisms and therapeutic implications. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 231.	7.1	194
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37	Glucose 6-phosphate dehydrogenase inhibition sensitizes melanoma cells to metformin treatment. <i>Translational Oncology</i> , 2020, 13, 100842.	1.7	10
38	Lanthanide metal-organic frameworks with nitrogen functional sites for the highly selective and sensitive detection of NADPH. <i>Chemical Communications</i> , 2020, 56, 10851-10854.	2.2	21
39	Hypoxia-induced NAD ⁺ interventions promote tumor survival and metastasis by regulating mitochondrial dynamics. <i>Life Sciences</i> , 2020, 259, 118171.	2.0	8
40	NADP modulates RNA m6A methylation and adipogenesis via enhancing FTO activity. <i>Nature Chemical Biology</i> , 2020, 16, 1394-1402.	3.9	71
41	The malate-aspartate shuttle (Borst cycle): How it started and developed into a major metabolic pathway. <i>IUBMB Life</i> , 2020, 72, 2241-2259.	1.5	117
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47	Electron-Accepting Micelles Deplete Reduced Nicotinamide Adenine Dinucleotide Phosphate and Impair Two Antioxidant Cascades for Ferroptosis-Induced Tumor Eradication. <i>ACS Nano</i> , 2020, 14, 14715-14730.	7.3	118
48	Energy Metabolism Decline in the Aging Brain-Pathogenesis of Neurodegenerative Disorders. <i>Metabolites</i> , 2020, 10, 450.	1.3	55
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50	NAD metabolism in aging and cancer. <i>Experimental Biology and Medicine</i> , 2020, 245, 1594-1614.	1.1	17
51	Can adipokine visfatin be a novel marker of pregnancy-related disorders in women with obesity?. <i>Obesity Reviews</i> , 2020, 21, e13022.	3.1	16
52	Deciphering the Role of Multiple Thioredoxin Fold Proteins of <i>Leptospirillum</i> sp. in Oxidative Stress Tolerance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1880.	1.8	18
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58	Metabolic Profiling in Blastocoel Fluid and Blood Plasma of Diabetic Rabbits. <i>International Journal of Molecular Sciences</i> , 2020, 21, 919.	1.8	5
59	Acute sources of mitochondrial NAD ⁺ during respiratory chain dysfunction. <i>Experimental Neurology</i> , 2020, 327, 113218.	2.0	22
60	Induced Ketosis as a Treatment for Neuroprogressive Disorders: Food for Thought?. <i>International Journal of Neuropsychopharmacology</i> , 2020, 23, 366-384.	1.0	28
61	Glucose as a Major Antioxidant: When, What for and Why It Fails?. <i>Antioxidants</i> , 2020, 9, 140.	2.2	58
62	Reductive stress in striated muscle cells. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3547-3565.	2.4	31
63	Understanding and Modeling Metastasis Biology to Improve Therapeutic Strategies for Combating Osteosarcoma Progression. <i>Frontiers in Oncology</i> , 2020, 10, 13.	1.3	62
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69	The effect of hyperbaric oxygen on mitochondrial and glycolytic energy metabolism: the caloristasis concept. <i>Cell Stress and Chaperones</i> , 2020, 25, 667-677.	1.2	14
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73	NAD(P)-Driven Redox Status Contributes to Desiccation Tolerance in Acer seeds. <i>Plant and Cell Physiology</i> , 2020, 61, 1158-1167.	1.5	8
74	Exogenous NAD ⁺ Stimulates MUC2 Expression in LS 174T Goblet Cells via the PLC-Delta/PTGES/PKC-Delta/ERK/CREB Signaling Pathway. <i>Biomolecules</i> , 2020, 10, 580.	1.8	7
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78	Central Metabolism in Mammals and Plants as a Hub for Controlling Cell Fate. <i>Antioxidants and Redox Signaling</i> , 2021, 34, 1025-1047.	2.5	6
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80	Transfer hydrogenation catalysis in cells. <i>RSC Chemical Biology</i> , 2021, 2, 12-29.	2.0	50
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82	Long distance running "Can bioprofiling predict success in endurance athletes?". <i>Medical Hypotheses</i> , 2021, 146, 110474.	0.8	3
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84	Reductive stress in cancer. <i>Advances in Cancer Research</i> , 2021, 152, 383-413.	1.9	20
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93	Nitroaromatic Antibiotics as Nitrogen Oxide Sources. <i>Biomolecules</i> , 2021, 11, 267.	1.8	30
94	Impact of oxygen supply on production of terpenoids by microorganisms: State of the art. <i>Chinese Journal of Chemical Engineering</i> , 2021, 30, 46-53.	1.7	5
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96	Implication of Nicotinamide Adenine Dinucleotide Phosphate (NADPH) Oxidase and Its Inhibitors in Alzheimer's Disease Murine Models. <i>Antioxidants</i> , 2021, 10, 218.	2.2	15
97	Cerebrospinal fluid proteome shows disrupted neuronal development in multiple sclerosis. <i>Scientific Reports</i> , 2021, 11, 4087.	1.6	10
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121	Interactions of zinc- and redox-signaling pathways. Redox Biology, 2021, 41, 101916.	3.9	67
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128	Mechanistic Biomarkers in Toxicology. Turkish Journal of Pharmaceutical Sciences, 2021, 18, 376-384.	0.6	2

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131	Lactate Fluxes and Plasticity of Adipose Tissues: A Redox Perspective. <i>Frontiers in Physiology</i> , 2021, 12, 689747.	1.3	26
132	Application of magnetic fields to wastewater treatment and its mechanisms: A review. <i>Science of the Total Environment</i> , 2021, 773, 145476.	3.9	43
133	COVID-19: A Redox Disease—What a Stress Pandemic Can Teach Us About Resilience and What We May Learn from the Reactive Species Interactome About Its Treatment. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1226-1268.	2.5	28
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143	Enzymatic and Chemical Syntheses of Vacor Analogs of Nicotinamide Riboside, NMN and NAD. <i>Biomolecules</i> , 2021, 11, 1044.	1.8	12
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150	Mitochondrial NAD(P) ⁺ Transhydrogenase: From Molecular Features to Physiology and Disease. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 864-884.	2.5	16
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153	The Aggressive Diabetic Kidney Disease in Youth-Onset Type 2 Diabetes: Pathogenetic Mechanisms and Potential Therapies. <i>Medicina (Lithuania)</i> , 2021, 57, 868.	0.8	23
154	The Extracellular NADome Modulates Immune Responses. <i>Frontiers in Immunology</i> , 2021, 12, 704779.	2.2	18
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157	Oxygen in Metabolic Dysfunction and Its Therapeutic Relevance. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 642-687.	2.5	2
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