Etelvino JosÃ© Henriques Bechara

List of Publications by Year
in descending order

180 papers	6,521 citations	57631 44 h-index	79541 73 g-index
189 all docs	189 docs citations	189 times ranked	6259 citing authors

#	Article	IF	Citations
1	<scp>l</scp>â€Tryptophan Interactions with the Horseradish Peroxidaseâ€Catalyzed Generation of Triplet Acetone. Photochemistry and Photobiology, 2021, 97, 327-334.	1.3	3
2	Aerobic co-oxidation of hemoglobin and aminoacetone, a putative source of methylglyoxal. Free Radical Biology and Medicine, 2021, 166, 178-186.	1.3	2
3	Oxidative Modification of Proteins: From Damage to Catalysis, Signaling, and Beyond. Antioxidants and Redox Signaling, 2021, 35, 1016-1080.	2.5	13
4	Toxicity of metal cations and phenolic compounds to the bioluminescent fungus Neonothopanus gardneri. Environmental Advances, 2021, 4, 100044.	2.2	7
5	5-Aminolevulinic acid: A matter of life and caveats. Journal of Photochemistry and Photobiology, 2021, 7, 100036.	1.1	9
6	Evaluation of Phenolic Compound Toxicity Using a Bioluminescent Assay with the Fungus Gerronema viridilucens. Environmental Toxicology and Chemistry, 2020, 39, 1558-1565.	2.2	10
7	Singlet oxygen generation by the reaction of acrolein with peroxynitrite via a 2-hydroxyvinyl radical intermediate. Free Radical Biology and Medicine, 2020, 152, 83-90.	1.3	13
8	Neoceroplatus betaryiensis nov. sp. (Diptera: Keroplatidae) is the first record of a bioluminescent fungus-gnat in South America. Scientific Reports, 2019, 9, 11291.	1.6	11
9	Where do we aspire to publish? A position paper on scientific communication in biochemistry and molecular biology. Brazilian Journal of Medical and Biological Research, 2019, 52, e8935.	0.7	1
10	Can in vivo surface dental enamelmicrobiopsies be used to measure remote lead exposure?. Environmental Science and Pollution Research, 2018, 25, 9322-9329.	2.7	3
11	Brazilian Bioluminescent Beetles: Reflections on Catching Glimpses of Light in the Atlantic Forest and Cerrado. Anais Da Academia Brasileira De Ciencias, 2018, 90, 663-679.	0.3	9
12	Topological metrics in academic genealogy graphs. Journal of Informetrics, 2018, 12, 1042-1058.	1.4	10
13	Effects of Diacetyl Flavoring Exposure in Mice Metabolism. BioMed Research International, 2018, 2018, 1-11.	0.9	7
14	Astaxanthin Restrains Nitrative-Oxidative Peroxidation in Mitochondrial-Mimetic Liposomes: A Pre-Apoptosis Model. Marine Drugs, 2018, 16, 126.	2.2	16
15	Chemiexcitation and Its Implications for Disease. Trends in Molecular Medicine, 2018, 24, 527-541.	3.5	21
16	Increased chemical acetylation of peptides and proteins in rats after daily ingestion of diacetyl analyzed by Nano-LC-MS/MS. PeerJ, 2018, 6, e4688.	0.9	4
17	What are the blood lead levels of children living in Latin America and the Caribbean?. Environment International, 2017, 101, 46-58.	4.8	40
18	Natural Persulfate Activation for Anthracene Remediation in Tropical Environments. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	21

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19	Profiles of amino acids and biogenic amines in the plasma of Cri-du-Chat patients. Journal of Pharmaceutical and Biomedical Analysis, 2017, 140, 137-145.	1.4	8
20	Fourâ€membered cyclic peroxides: Carriers of chemical energy. Journal of Physical Organic Chemistry, 2017, 30, e3725.	0.9	44
21	Optimization and therapeutic effects of PDT mediated by ALA and MAL in the treatment of cutaneous malignant lesions: A comparative study. Journal of Biophotonics, 2016, 9, 1355-1361.	1.1	4
22	Luminescent threat: toxicity of light stick attractors used in pelagic fishery. Scientific Reports, 2015, 4, 5359.	1.6	10
23	"Photo" Chemistry Without Light?. Journal of the Brazilian Chemical Society, 2015, , .	0.6	4
24	Chemiexcitation of melanin derivatives induces DNA photoproducts long after UV exposure. Science, 2015, 347, 842-847.	6.0	421
25	Bioluminescence: A Fungal Nightlight with an Internal Timer. Current Biology, 2015, 25, R283-R285.	1.8	8
26	Living Light in the Darkness: Facts and Stories. Revista Virtual De Quimica, 2015, 7, .	0.1	0
27	"Photo"chemistry Without Light?. Revista Virtual De Quimica, 2015, 7, .	0.1	0
28	Sun, Melanin, and Cancer: the Good, the Bad, and the Ugly. Revista Virtual De Quimica, 2015, 7, 1565-1569.	0.1	0
29	Abstract LB-104: Excited electrons in melanin induce cyclobutane dimers in the dark. , 2015, , .		0
30	Radical acylation of L-lysine derivatives and L-lysine-containing peptides by peroxynitrite-treated diacetyl and methylglyoxal. Free Radical Research, 2014, 48, 357-370.	1.5	6
31	Excited singlet molecular O2 (1Î”g) is generated enzymatically from excited carbonyls in the dark. Scientific Reports, 2014, 4, 5938.	1.6	52
32	Bioanalytical Studies of Porphyric Disorders Using HPLC with Fluorescence Detection. Journal of the Brazilian Chemical Society, 2014, , .	0.6	1
33	Potential Diagnostic of Branched-Chain Ketoaciduria by HPLC-DAD. Journal of the Brazilian Chemical Society, 2014, , .	0.6	0
34	Biochemical Analysis and Decomposition Products of Indocyanine Green in Relation to Solvents, Dye Concentrations and Laser Exposure. Ophthalmologica, 2013, 230, 59-67.	1.0	13
35	Cytotoxicity of 1,4-diamino-2-butanone, a putrescine analogue, to RKO cells: mechanism and redox imbalance. Free Radical Research, 2013, 47, 672-682.	1.5	3
36	Cocos nucifera Linn. (Palmae) Husk Fiber Ethanolic Extract: Antioxidant Capacity and Electrochemical Investigation. Combinatorial Chemistry and High Throughput Screening, 2013, 16, 121-129.	0.6	3

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37	Ferricytochrome c Directly Oxidizes Aminoacetone to Methylglyoxal, a Catabolite Accumulated in Carbonyl Stress. PLoS ONE, 2013, 8, e57790.	1.1	15
38	Electrospray Ionization Mass Spectrometry Applied to Study the Radical Acetylation of Amino Acids, Peptides and Proteins. Journal of the Brazilian Chemical Society, 2013, , .	0.6	3
39	Potential Diagnostic Assay for Cystinuria by Capillary Electrophoresis Coupled to Mass Spectrometry. Journal of the Brazilian Chemical Society, 2013, , .	0.6	1
40	Antioxidant, anti-acetylcholinesterase and cytotoxic activities of ethanol extracts of peel, pulp and seeds of exotic Brazilian fruits. Food Research International, 2012, 49, 334-344.	2.9	83
41	Effects of acute creatine supplementation on iron homeostasis and uric acid-based antioxidant capacity of plasma after wingate test. Journal of the International Society of Sports Nutrition, 2012, 9, 25.	1.7	12
42	1,4-Diamino-2-butanone, a putrescine analogue, promotes redox imbalance in Trypanosoma cruzi and mammalian cells. Archives of Biochemistry and Biophysics, 2012, 528, 103-110.	1.4	9
43	Polymeric Nanoparticles as Oral Delivery Systems for Encapsulation and Release of Polyphenolic Compounds: Impact on Quercetin Antioxidant Activity & Bioaccessibility. Food Biophysics, 2012, 7, 276-288.	1.4	44
44	Antioxidant Effects of Quercetin and Catechin Encapsulated into PLGA Nanoparticles. Journal of Nanomaterials, 2012, 2012, 1-12.	1.5	151
45	Generation of Singlet Oxygen by the Glyoxalâ€“Peroxynitrite System. Journal of the American Chemical Society, 2011, 133, 20761-20768.	6.6	30
46	1,4-Diamino-2-butanone, a wide-spectrum microbicide, yields reactive species by metal-catalyzed oxidation. Free Radical Biology and Medicine, 2011, 50, 1760-1770.	1.3	7
47	Myoglobin-H2O2 catalyzes the oxidation of Î²-ketoacids to Î±-dicarbonyls: Mechanism and implications in ketosis. Free Radical Biology and Medicine, 2011, 51, 733-743.	1.3	8
48	Acute Creatine Supplementation Increases Anaerobic Power And Plasma Urate Antioxidant Capacity Of Male Cyclists. Medicine and Science in Sports and Exercise, 2011, 43, 844-845.	0.2	0
49	Vision in click beetles (Coleoptera: Elateridae): pigments and spectral correspondence between visual sensitivity and species bioluminescence emission. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2010, 196, 629-638.	0.7	23
50	Surface dental enamel lead levels and antisocial behavior in Brazilian adolescents. Neurotoxicology and Teratology, 2010, 32, 273-279.	1.2	62
51	1,4-Diamino-2-butanone, a Wide-spectrum Microbicide, Yields Reactive Species by Metal-catalyzed Oxidation. Free Radical Biology and Medicine, 2010, 49, S103.	1.3	0
52	Oxidative Damage to Cytochrome c Induced by Aminoacetone. Free Radical Biology and Medicine, 2010, 49, S171.	1.3	1
53	Association of dental enamel lead levels with risk factors for environmental exposure. Revista De Saude Publica, 2010, 44, 851-858.	0.7	9
54	Metilglioxal: uma toxina endÃ³gena?. Quimica Nova, 2010, 33, 2193-2201.	0.3	2

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55	Microbiopsies of Surface Dental Enamel as a Tool to Measure Body Lead Burden. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 627-636.	1.1	1
56	Acetyl Radical Production by the Methylglyoxalâ^'Peroxynitrite System: A Possible Route for <scp>l</scp>-Lysine Acetylation. Chemical Research in Toxicology, 2010, 23, 1762-1770.	1.7	24
57	Fontes vegetais naturais de antioxidantes. Quimica Nova, 2009, 32, 689-702.	0.3	74
58	Superoxide radical protects liposome-contained cytochrome c against oxidative damage promoted by peroxynitrite and free radicals. Free Radical Biology and Medicine, 2009, 47, 841-849.	1.3	12
59	Total phenolic content and free radical scavenging activities of methanolic extract powders of tropical fruit residues. Food Chemistry, 2009, 115, 469-475.	4.2	208
60	Neurotoxicity and aggressiveness triggered by low-level lead in children: a review. Revista Panamericana De Salud Publica/Pan American Journal of Public Health, 2009, 26, 266-75.	0.6	66
61	Chlorella vulgaris up-modulation of myelossupression induced by lead: The role of stromal cells. Food and Chemical Toxicology, 2008, 46, 3147-3154.	1.8	15
62	The structural origin and biological function of pH-sensitivity in firefly luciferases. Photochemical and Photobiological Sciences, 2008, 7, 159-169.	1.6	88
63	Aminoacetone, a Putative Endogenous Source of Methylglyoxal, Causes Oxidative Stress and Death to Insulin-Producing RINm5f Cells. Chemical Research in Toxicology, 2008, 21, 1841-1850.	1.7	30
64	Radical Acetylation of 2â€²-Deoxyguanosine and <scp>l</scp>-Histidine Coupled to the Reaction of Diacetyl with Peroxynitrite in Aerated Medium. Chemical Research in Toxicology, 2008, 21, 879-887.	1.7	11
65	Eletroforese capilar acoplada Ã espectrometria de massas (CE-MS): vinte anos de desenvolvimento. Quimica Nova, 2008, 31, 2124-2133.	0.3	13
66	The dual face of endogenous Î±-aminoketones: Pro-oxidizing metabolic weapons. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 146, 88-110.	1.3	44
67	1,3-Diene Probes for Detection of Triplet Carbonyls in Biological Systems. Chemical Research in Toxicology, 2007, 20, 1162-1169.	1.7	41
68	OXIDATIVE STRESS IS ENHANCED BY HYPOTHERMIA IMPOSED ON CERULEIN-INDUCED PANCREATITIS IN RATS. Clinics, 2007, 62, 483-490.	0.6	12
69	Synthesis, pharmacological evaluation and electrochemical studies of novel 6-nitro-3,4-methylenedioxyphenyl-N-acylhydrazone derivatives: Discovery of LASSBio-881, a new ligand of cannabinoid receptors. Bioorganic and Medicinal Chemistry, 2007, 15, 2421-2433.	1.4	59
70	Does the Photochemical Conversion of Colchicine into Lumicolchicines Involve Triplet Transients? A Solvent Dependence StudyÂ¶. Photochemistry and Photobiology, 2007, 73, 213-218.	1.3	2
71	Chemical, biological and evolutionary aspects of beetle bioluminescence. Arkivoc, 2007, 2007, 311-323.	0.3	3
72	OxidaÃ§Ã£o de proteÃnas por oxigÃªnio singlete: mecanismos de dano, estratÃ©gias para detecÃ§Ã£o e implicaÃ§Ãµes biolÃ³gicas. Quimica Nova, 2006, 29, 563-568.	0.3	27

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73	5-Aminolevulinate and 4, 5-dioxovalerate ions decrease GABAA receptor density in neuronal cells, synaptosomes and rat brain. Brain Research, 2006, 1093, 95-104.	1.1	39
74	Aminoacetone Induces Oxidative Modification to Human Plasma Ceruloplasmin. Chemical Research in Toxicology, 2005, 18, 755-760.	1.7	14
75	BioquÃmica e aÃ§Ã£o citotÃ³xica de alfa-aminocetonas endÃ³genas. Quimica Nova, 2005, 28, 483-491.	0.3	2
76	Succinylacetone Oxidation by Oxygen/Peroxynitrite:Â A Possible Source of Reactive Intermediates in Hereditary Tyrosinemia Type I. Chemical Research in Toxicology, 2004, 17, 598-604.	1.7	5
77	Peroxynitrite-Initiated Oxidation of Acetoacetate and 2-Methylacetoacetate Esters by Oxygen:Â Potential Sources of Reactive Intermediates in Keto Acidoses. Chemical Research in Toxicology, 2004, 17, 1725-1732.	1.7	9
78	Aminoacetone induces iron-mediated oxidative damage to isolated rat liver mitochondria. Archives of Biochemistry and Biophysics, 2004, 430, 284-289.	1.4	17
79	Oxidative damage to ferritin by 5-aminolevulinic acid. Archives of Biochemistry and Biophysics, 2003, 409, 349-356.	1.4	53
80	Aminoacetone Induces Loss of Ferritin Ferroxidase and Iron Uptake Activities. Free Radical Research, 2003, 37, 1113-1121.	1.5	16
81	Aerobic Oxidation of Aminoacetone, a Threonine Catabolite:Â Iron Catalysis and Coupled Iron Release from Ferritin. Chemical Research in Toxicology, 2001, 14, 1323-1329.	1.7	34
82	Daily variations of antioxidant enzyme and luciferase activities in the luminescent click-beetle Pyrearinus termitilluminans: cooperation against oxygen toxicity. Insect Biochemistry and Molecular Biology, 2001, 31, 393-400.	1.2	23
83	Antioxidant Modulation in Response to Metal-Induced Oxidative Stress in Algal Chloroplasts. Archives of Environmental Contamination and Toxicology, 2001, 40, 18-24.	2.1	163
84	Heteropteris aphrodisiacaO. Machadoâ€‰: effects of Extract BST 0298 on the oxidative stress of young and old rat brains. Phytotherapy Research, 2001, 15, 604-607.	2.8	26
85	Cysteic acid is the chemical mediator of automotive clearcoat damage promoted by dragonfly eggs. Journal of Applied Polymer Science, 2001, 81, 1549-1554.	1.3	1
86	Bioflavonoid rescue of ascorbate at a membrane interface. Journal of Bioenergetics and Biomembranes, 2001, 33, 269-277.	1.0	15
87	Does the Photochemical Conversion of Colchicine into Lumicolchicines Involve Triplet Transients? A Solvent Dependence StudyÂ¶. Photochemistry and Photobiology, 2001, 73, 213.	1.3	9
88	Automotive clearcoat damage due to oviposition of dragonflies. Journal of Applied Polymer Science, 2000, 75, 1632-1639.	1.3	10
89	Mechanism of automotive clearcoat damage by dragonfly eggs investigated by surface enhanced Raman scattering. Polymer Degradation and Stability, 2000, 68, 61-66.	2.7	24
90	Modifications in heme iron of free and vesicle bound cytochrome c by tert-butyl hydroperoxide: a magnetic circular dichroism and electron paramagnetic resonance investigation. Free Radical Biology and Medicine, 2000, 28, 786-796.	1.3	31

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91	Roles of phosphate and an enoyl radical in ferritin iron mobilization by 5-aminolevulinic acid. Free Radical Biology and Medicine, 2000, 29, 1272-1279.	1.3	21
92	Spectral correspondence between visual spectral sensitivity and bioluminescence emission spectra in the click beetle Pyrophorus punctatissimus (Coleoptera: Elateridae). Journal of Insect Physiology, 2000, 46, 1137-1141.	0.9	22
93	Iron mobilization by succinylacetone methyl ester in rats. A model study for hereditary tyrosinemia and porphyrias characterized by 5-Aminolevulinic acid overload. Free Radical Research, 2000, 32, 343-353.	1.5	16
94	Chemiluminescent Aldehyde and Î²-Diketone Reactions Promoted by Peroxynitrite. Chemical Research in Toxicology, 2000, 13, 317-326.	1.7	20
95	Luciferase and Urate may act as Antioxidant Defenses in Larval Pyrearinus termitilluminans (Elateridae: Coleoptera) During Natural Development and upon 20-Hydroxyecdysone Treatment. Photochemistry and Photobiology, 2000, 71, 648-654.	1.3	0
96	Luciferase and Urate may act as Antioxidant Defenses in Larval Pyrearinus termitilluminans (Elateridae: Coleoptera) During Natural Development and upon 20-Hydroxyecdysone Treatment. Photochemistry and Photobiology, 2000, 71, 648.	1.3	21
97	Graft copolymers with immobilized peroxidase for organic synthesis. Radiation Physics and Chemistry, 1999, 55, 345-352.	1.4	11
98	Asymmetric sulfoxidation of a Î²-carbonyl sulfide series by chloroperoxidase. Tetrahedron: Asymmetry, 1999, 10, 3219-3227.	1.8	31
99	Cloning and Molecular Characterization of the cDNA for the Brazilian Larval Click-beetle Pyrearinus termitilluminans Luciferase. Photochemistry and Photobiology, 1999, 70, 254-260.	1.3	107
100	Trapping of free radicals with direct in vivo EPR detection: a comparison of 5,5-dimethyl-1-pyrroline-N-oxide and 5-diethoxyphosphoryl-5-methyl-1-pyrroline-N-oxide as spin traps for HO and SO4â€¢â¾. Free Radical Biology and Medicine, 1999, 27, 329-333.	1.3	260
101	Diphenylacetaldehyde-generated excited states promote damage to isolated rat liver mitochondrial DNA, phospholipids, and proteins. Free Radical Biology and Medicine, 1999, 27, 744-751.	1.3	14
102	Superoxide dismutase, catalase and glutathione peroxidase activities in the lymphoid organs and skeletal muscles of rats treated with dexamethasone. , 1999, 17, 15-19.		25
103	Cloning, Sequence Analysis, and Expression of ActivePhrixothrixRailroad-Worms Luciferases:Â Relationship between Bioluminescence Spectra and Primary Structuresâ€,â€¡. Biochemistry, 1999, 38, 8271-8279.	1.2	163
104	Bioluminescence as a Possible Auxiliary Oxygen Detoxifying Mechanism in Elaterid Larvae. Free Radical Biology and Medicine, 1998, 24, 767-777.	1.3	34
105	Liposome effect on the cytochrome c-catalyzed peroxidation of carbonyl substrates to triplet species. Free Radical Biology and Medicine, 1998, 25, 546-553.	1.3	32
106	Neuroleptic drug-stimulated iron uptake by synaptosome preparations of rat cerebral cortex. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1407, 61-68.	1.8	16
107	Hydroxyl radicals are involved in the oxidation of isolated and cellular DNA bases by 5-aminolevulinic acid. FEBS Letters, 1998, 428, 93-96.	1.3	72
108	DNA Alkylation by 4,5-Dioxovaleric Acid, the Final Oxidation Product of 5-Aminolevulinic Acid. Chemical Research in Toxicology, 1998, 11, 150-157.	1.7	58

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109	Ruthenium Red-Catalyzed Degradation of Peroxides Can Prevent Mitochondrial Oxidative Damage Induced by eithertert-Butyl Hydroperoxide or Inorganic Phosphate. Archives of Biochemistry and Biophysics, 1998, 349, 275-280.	1.4	14
110	Changes in the TBARs content and superoxide dismutase, catalase and glutathione peroxidase activities in the lymphoid organs and skeletal muscles of adrenodemedullated rats. Brazilian Journal of Medical and Biological Research, 1998, 31, 827-833.	0.7	25
111	Oxidative Tissue Response Promoted by 5â€“Aminolevulinic Acid Promptly Induces the Increase of Plasma Antioxidant Capacity. Free Radical Research, 1997, 26, 235-243.	1.5	21
112	Bioluminescence and Biological Aspects of Brazilian Railroad-Worms (Coleoptera: Phengodidae). Annals of the Entomological Society of America, 1997, 90, 389-398.	1.3	67
113	Haem precursor Î´-aminolaevulinic acid induces activation of the cytosolic iron regulatory protein 1. Biochemical Journal, 1997, 328, 827-832.	1.7	23
114	Lipid Peroxidation-Dependent Chemiluminescence from the Cyclization of Alkylperoxyl Radicals to Dioxetane Radical Intermediates. Chemical Research in Toxicology, 1997, 10, 1090-1096.	1.7	45
115	Correlation between plasma 5-aminolevulinic acid concentrations and indicators of oxidative stress in lead-exposed workers. Clinical Chemistry, 1997, 43, 1196-1202.	1.5	85
116	Urate Protects a Blood-Sucking Insect Against Hemin-Induced Oxidative Stress. Free Radical Biology and Medicine, 1997, 22, 209-214.	1.3	61
117	Quenching of singlet molecular oxygen by natural furan diterpenes. Journal of Photochemistry and Photobiology B: Biology, 1997, 38, 169-173.	1.7	14
118	Determination of 5-aminolevulinic acid in blood plasma, tissues and cell cultures by high-performance liquid chromatography with electrochemical detection. Biomedical Applications, 1997, 695, 245-250.	1.7	13
119	CriaÃ§Ã£o e consolidaÃ§Ã£o da Sociedade Brasileira de QuÃmica (SBQ). Quimica Nova, 1997, 20, 63-65.	0.3	1
120	Chlorpromazine stimulatory effect on iron uptake by rat brain synaptosomes. Biochemical Pharmacology, 1996, 51, 331-337.	2.0	6
121	The Calcium Sensor Ruthenium Red Can Act as a Fenton-Type Reagent. Archives of Biochemistry and Biophysics, 1996, 328, 239-244.	1.4	9
122	Î´-Aminolevulinic Acid-Induced Synaptosomal Ca2+Uptake and Mitochondrial Permeabilization. Archives of Biochemistry and Biophysics, 1996, 335, 53-60.	1.4	14
123	[37] Reaction of peroxynitrite and hydrogen peroxide to produce singlet molecular oxygen (1Î”g). Methods in Enzymology, 1996, 269, 395-400.	0.4	11
124	The prooxidant effect of 5-aminolevulinic acid in the brain tissue of rats: Implications in neuropsychiatric manifestations in porphyrias. Free Radical Biology and Medicine, 1996, 20, 291-299.	1.3	97
125	Horseradish Peroxidaseâ€Catalyzed Generation of Acetophenone and Benzophenone in the Triplet State*. Photochemistry and Photobiology, 1996, 63, 702-708.	1.3	17
126	Larval Tenebrio molitor (Coleoptera: Tenebrionidae) Fat Body Extracts Catalyze Firefly D-Luciferin- and ATP-Dependent Chemiluminescence: A Luciferase-like Enzyme. Photochemistry and Photobiology, 1996, 63, 713-718.	1.3	26

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127	Effect of Inorganic Phosphate Concentration on the Nature of Inner Mitochondrial Membrane Alterations Mediated by Ca2+ Ions. Journal of Biological Chemistry, 1996, 271, 2929-2934.	1.6	169
128	Horseradish Peroxidase-Catalyzed Conjugation of Eugenol with Basic Amino Acids. Free Radical Research, 1996, 25, 5-12.	1.5	10
129	BIOLUMINESCENCE OF BRAZILIAN FIREFLIES (COLEOPTERA: LAMPYRIDAE): SPECTRAL DISTRIBUTION and pH EFFECT ON LUCIFERASEâ€ELICITED COLORS. COMPARISON WITH ELATERID and PHENGODID LUCIFERASES. Photochemistry and Photobiology, 1995, 62, 490-495.	1.3	76
130	CHEMILUMINESCENT DIPHENYLACETALDEHYDE OXIDATION BY MITOCHONDRIA IS PROMOTED BY CYTOCHROMES and LEADS TO OXIDATIVE INJURY OF THE ORGANELLE. Photochemistry and Photobiology, 1995, 62, 522-527.	1.3	25
131	Permeabilization of the inner mitochondrial membrane by Ca2+ ions is stimulated by t-butyl hydroperoxide and mediated by reactive oxygen species generated by mitochondria. Free Radical Biology and Medicine, 1995, 18, 479-486.	1.3	218
132	The oxidation of cyclic sulfides by tetramethyldioxetane and the isobutanal/O 2 /peroxidase system: Oxygen transfer versus electron transfer. Free Radical Biology and Medicine, 1995, 18, 731-738.	1.3	0
133	Hormonal regulation of superoxide dismutase, catalase, and glutathione peroxidase activities in rat macrophages. Biochemical Pharmacology, 1995, 50, 2093-2098.	2.0	75
134	5-Aminolevulinic Acid Induces Iron Release from Ferritin. Archives of Biochemistry and Biophysics, 1995, 316, 607-611.	1.4	71
135	Control of superoxide dismutase, catalase and glutathione peroxidase activities in rat lymphoid organs by thyroid hormones. Journal of Endocrinology, 1994, 140, 73-77.	1.2	112
136	5-Aminolevulinic acid mediates the in vivo and in vitro formation of 8-hydroxy-2'-deoxyguanosine in DNA. Carcinogenesis, 1994, 15, 2241-2244.	1.3	56
137	Superoxide dismutase, catalase and glutathione peroxidase activities in the lymphoid organs of diabetic rats. Journal of Endocrinology, 1994, 142, 161-165.	1.2	23
138	Catabolism of 5-Aminolevulinic Acid to CO2 by Rat Liver Mitochondria. Archives of Biochemistry and Biophysics, 1994, 310, 205-209.	1.4	6
139	Oxidative damage of mitochondria induced by 5-aminolevulinic acid: Role of Ca2+ and membrane protein thiols. Biochimica Et Biophysica Acta - Bioenergetics, 1994, 1188, 86-92.	0.5	54
140	Singlet molecular oxygen production in the reaction of peroxynitrite with hydrogen peroxide. FEBS Letters, 1994, 355, 287-289.	1.3	142
141	Antioxidant enzyme activities in the lymphoid organs and muscles of rats fed fatty acids-rich diets subjected to prolonged physical exercise-training. Physiology and Behavior, 1994, 56, 1049-1055.	1.0	13
142	Superoxide dismutase, catalase, and glutathione peroxidase activities in muscle and lymphoid organs of sedentary and exercise-trained rats. Physiology and Behavior, 1994, 56, 1095-1099.	1.0	52
143	5-Aminolevulinic acid induces single-strand breaks in plasmid pBR322 DNA in the presence of Fe2+ ions. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1994, 1225, 259-263.	1.8	43
144	BIOPHYSICAL AND BIOCHEMICAL ASPECTS OF PHENGODID (RAILROADâ€WORM) BIOLUMINESCENCE. Photochemistry and Photobiology, 1993, 58, 615-622.	1.3	40

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145	5-Aminolevulinic Acid Induces Lipid Peroxidation in Cardiolipin-Rich Liposomes. Archives of Biochemistry and Biophysics, 1993, 305, 282-287.	1.4	55
146	Calcium-dependent mitochondrial oxidative damage promoted by 5-aminolevulinic acid. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1992, 1180, 201-206.	1.8	56
147	Dioxygen NIR FT-Emission (1Î”g â†’ 3Î£â¯g) and Raman Spectra of 1,4-Dimethylnaphthalene Endoperoxide: A Source of Singlet Molecular Oxygen. Applied Spectroscopy, 1992, 46, 236-239.	1.2	22
148	Are dioxetanes chemiluminescent intermediates in lipoperoxidation?. Free Radical Biology and Medicine, 1992, 12, 471-478.	1.3	29
149	Damage to rat liver mitochondria promoted by Î´-aminolevulinic acid-generated reactive oxygen species: connections with acute intermittent porphyria and lead-poisoning. Biochimica Et Biophysica Acta - Bioenergetics, 1991, 1056, 57-63.	0.5	132
150	Are free radicals involved in lead poisoning?. Xenobiotica, 1991, 21, 1085-1090.	0.5	138
151	Free radicals involvement in neurological porphyrias and lead poisoning. Molecular and Cellular Biochemistry, 1991, 103, 73-83.	1.4	80
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