

Roger C Prince

List of Publications by Year in descending order

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265
papers

16,578
citations

16451

64
h-index

17592

121
g-index

274
all docs

274
docs citations

274
times ranked

12975
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing Photosynthetic and Photovoltaic Efficiencies and Recognizing the Potential for Improvement. <i>Science</i> , 2011, 332, 805-809.	12.6	1,369
2	Redesigning photosynthesis to sustainably meet global food and bioenergy demand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8529-8536.	7.1	751
3	Effectiveness of bioremediation for the Exxon Valdez oil spill. <i>Nature</i> , 1994, 368, 413-418.	27.8	660
4	Reduction and Coordination of Arsenic in Indian Mustard. <i>Plant Physiology</i> , 2000, 122, 1171-1178.	4.8	525
5	A cadmium enzyme from a marine diatom. <i>Nature</i> , 2005, 435, 42-42.	27.8	518
6	Subcellular Localization and Speciation of Nickel in Hyperaccumulator and Non-Accumulator <i>Thlaspi</i> Species. <i>Plant Physiology</i> , 2000, 122, 1343-1354.	4.8	431
7	17.alpha.(H)-21.beta.(H)-hopane as a conserved internal marker for estimating the biodegradation of crude oil. <i>Environmental Science & Technology</i> , 1994, 28, 142-145.	10.0	415
8	Zinc Ligands in the Metal Hyperaccumulator <i>Thlaspi caerulescens</i> As Determined Using X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 1999, 33, 713-717.	10.0	382
9	Environmental Stability of Selected Petroleum Hydrocarbon Source and Weathering Ratios. <i>Environmental Science & Technology</i> , 1996, 30, 2332-2339.	10.0	320
10	Petroleum Spill Bioremediation in Marine Environments. <i>Critical Reviews in Microbiology</i> , 1993, 19, 217-240.	6.1	286
11	The response of fluorescent amines to pH gradients across liposome membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1972, 274, 323-335.	2.6	257
12	Photooxidation of Crude Oils. <i>Environmental Science & Technology</i> , 1998, 32, 3719-3723.	10.0	240
13	The Photobiological Production of Hydrogen: Potential Efficiency and Effectiveness as a Renewable Fuel. <i>Critical Reviews in Microbiology</i> , 2005, 31, 19-31.	6.1	217
14	The primary biodegradation of dispersed crude oil in the sea. <i>Chemosphere</i> , 2013, 90, 521-526.	8.2	212
15	Radical-pair energetics and decay mechanisms in reaction centers containing anthraquinones, naphthoquinones or benzoquinones in place of ubiquinone. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1986, 851, 6-22.	1.0	205
16	Localizing the Biochemical Transformations of Arsenate in a Hyperaccumulating Fern. <i>Environmental Science & Technology</i> , 2006, 40, 5010-5014.	10.0	195
17	Metal Accumulation by Aquacultured Seedlings of Indian Mustard. <i>Environmental Science & Technology</i> , 1997, 31, 1636-1644.	10.0	187
18	Oil Spill Dispersants: Boon or Bane?. <i>Environmental Science & Technology</i> , 2015, 49, 6376-6384.	10.0	186

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19	Marine Oil Biodegradation. <i>Environmental Science & Technology</i> , 2016, 50, 2121-2129.	10.0	183
20	Anaerobic Oxidation of Crude Oil Hydrocarbons by the Resident Microorganisms of a Contaminated Anoxic Aquifer. <i>Environmental Science & Technology</i> , 2003, 37, 5213-5218.	10.0	172
21	POTENTIAL OF BIOMASS FUELS IN THE CONTEXT OF GLOBAL CLIMATE CHANGE: Focus on Transportation Fuels. <i>Annual Review of Environment and Resources</i> , 2000, 25, 199-244.	1.2	171
22	Electrochemistry of ubiquinones. <i>FEBS Letters</i> , 1983, 160, 273-276.	2.8	167
23	The Roles of Photooxidation and Biodegradation in Long-term Weathering of Crude and Heavy Fuel Oils. <i>Spill Science and Technology Bulletin</i> , 2003, 8, 145-156.	0.4	164
24	Chemical Form and Distribution of Selenium and Sulfur in the Selenium Hyperaccumulator <i>Astragalus bisulcatus</i> A. <i>Plant Physiology</i> , 2003, 131, 1460-1467.	4.8	163
25	Structural Basis of the Antagonism between Inorganic Mercury and Selenium in Mammals. <i>Chemical Research in Toxicology</i> , 2000, 13, 1135-1142.	3.3	158
26	Analysis of Sulfur Biochemistry of Sulfur Bacteria Using X-ray Absorption Spectroscopy. <i>Biochemistry</i> , 2001, 40, 8138-8145.	2.5	153
27	Sulfur K-edge X-ray absorption spectroscopy for determining the chemical speciation of sulfur in biological systems. <i>FEBS Letters</i> , 1998, 441, 11-14.	2.8	150
28	Structure of the Molybdenum Site of Dimethyl Sulfoxide Reductase. <i>Journal of the American Chemical Society</i> , 1999, 121, 1256-1266.	13.7	149
29	EPR and optical spectroscopic properties of the electron carrier intermediate between the reaction center bacteriochlorophylls and the primary acceptor in <i>Chromatium vinosum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1976, 449, 447-467.	1.0	133
30	Structure of the active site of sulfite oxidase. X-ray absorption spectroscopy of the molybdenum(IV), molybdenum(V), and molybdenum(VI) oxidation states. <i>Biochemistry</i> , 1989, 28, 5075-5080.	2.5	132
31	A Metabolic Link between Arsenite and Selenite: The Seleno-bis(S-glutathionyl) Arsinium Ion. <i>Journal of the American Chemical Society</i> , 2000, 122, 4637-4639.	13.7	132
32	The role of the Rieske iron-sulfur center as the electron donor to ferricytochrome c2 in <i>Rhodospseudomonas sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1980, 592, 445-460.	1.0	131
33	Biodegradation of Dispersed Oil in Arctic Seawater at -1°C. <i>PLoS ONE</i> , 2014, 9, e84297.	2.5	128
34	Anaerobic Biodegradation of Long-Chain Alkanes under Sulfate-Reducing Conditions. <i>Environmental Science & Technology</i> , 1998, 32, 2191-2195.	10.0	127
35	The Molybdenum Site of Sulfite Oxidase: A Comparison of Wild-Type and the Cysteine 207 to Serine Mutant Using X-ray Absorption Spectroscopy. <i>Journal of the American Chemical Society</i> , 1996, 118, 8588-8592.	13.7	123
36	The Active Site Structure of <i>Thalassiosira weissflogii</i> Carbonic Anhydrase 1. <i>Biochemistry</i> , 2000, 39, 12128-12130.	2.5	117

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37	The thermodynamic properties of some commonly used oxidation-reduction mediators, inhibitors and dyes, as determined by polarography. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1981, 635, 132-148.	1.0	114
38	Thermodynamic properties of the reaction center of <i>Rhodospseudomonas viridis</i> in vivo measurement of the reaction center bacteriochlorophyll-primary acceptor intermediary electron carrier. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1976, 440, 622-636.	1.0	113
39	Lab tests on the biodegradation of chemically dispersed oil should consider the rapid dilution that occurs at sea. <i>Marine Pollution Bulletin</i> , 2013, 73, 314-318.	5.0	113
40	Pleiotropic effects of <i>pufX</i> gene deletion on the structure and function of the photosynthetic apparatus of <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1100, 160-170.	1.0	111
41	Spectroscopic properties of the intermediary electron carrier in the reaction center of <i>Rhodospseudomonas viridis</i> evidence for its interaction with the primary acceptor. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1977, 462, 467-490.	1.0	107
42	One- and two-electron reduction of hydroxy-1,4-naphthoquinones and hydroxy-9,10-anthraquinones. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1984, 801, 351-359.	2.4	104
43	Mercury Binding to the Chelation Therapy Agents DMSA and DMPS and the Rational Design of Custom Chelators for Mercury. <i>Chemical Research in Toxicology</i> , 2004, 17, 999-1006.	3.3	102
44	The primary acceptor of bacterial photosynthesis: Its operating midpoint potential?. <i>Archives of Biochemistry and Biophysics</i> , 1976, 172, 329-334.	3.0	100
45	Further studies on the rieske iron—sulfur center in mitochondrial and photosynthetic systems: A pKon the oxidized form. <i>FEBS Letters</i> , 1976, 65, 117-119.	2.8	100
46	Single and multiple turnover reactions in the ubiquinone-cytochrome b-c2 oxidoreductase of <i>Rhodospseudomonas sphaeroides</i> . The physical chemistry of the major electron donor to cytochrome c2, and its coupled reactions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1977, 462, 731-747.	1.0	92
47	The primary aerobic biodegradation of biodiesel B20. <i>Chemosphere</i> , 2008, 71, 1446-1451.	8.2	91
48	A Novel Protein-Bound Copper—Molybdenum Cluster. <i>Journal of the American Chemical Society</i> , 2000, 122, 8321-8322.	13.7	90
49	The rieske iron-sulfur center in mitochondrial and photosynthetic systems: Em /pH relationships. <i>FEBS Letters</i> , 1975, 51, 108-111.	2.8	85
50	Thermodynamic properties of the photochemical reaction center of <i>Heliobacterium chlorum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1985, 810, 377-384.	1.0	85
51	The Rate of Crude Oil Biodegradation in the Sea. <i>Environmental Science & Technology</i> , 2017, 51, 1278-1284.	10.0	85
52	X-ray absorption spectroscopy of cadmium phytochelatin and model systems. <i>BBA - Proteins and Proteomics</i> , 1999, 1429, 351-364.	2.1	83
53	Chemical speciation of accumulated metals in plants: evidence from X-ray absorption spectroscopy. <i>Microchemical Journal</i> , 2002, 71, 255-259.	4.5	83
54	EPR properties of the electron carrier intermediate between the reaction center bacteriochlorophylls and the primary acceptor in <i>Chromatium vinosum</i> . <i>FEBS Letters</i> , 1976, 65, 301-304.	2.8	80

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55	Some thermodynamic and kinetic properties of the primary photochemical reactants in a complex from a green photosynthetic bacterium. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1976, 423, 357-362.	1.0	78
56	Biliary Excretion of [(GS) ₂ AsSe]-after Intravenous Injection of Rabbits with Arsenite and Selenate. <i>Chemical Research in Toxicology</i> , 2002, 15, 1466-1471.	3.3	76
57	The photo-oxidation of horse heart cytochrome c and native cytochrome c ₂ by reaction centres from <i>Rhodospseudomonas spheroides</i> R26. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1974, 347, 1-13.	1.0	75
58	Fate of Selenate and Selenite Metabolized by <i>Rhodobacter sphaeroides</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 4849-4853.	3.1	74
59	The Active Site of Arsenite Oxidase from <i>Alcaligenes faecalis</i> . <i>Journal of the American Chemical Society</i> , 2002, 124, 11276-11277.	13.7	74
60	The Primary Aerobic Biodegradation of Gasoline Hydrocarbons. <i>Environmental Science & Technology</i> , 2007, 41, 3316-3321.	10.0	74
61	Oil-Induced Mineral Aggregate Formation on Oiled Beaches: Natural Attenuation and Sediment Relocation. <i>Spill Science and Technology Bulletin</i> , 2003, 8, 285-296.	0.4	73
62	Photosynthetic electron transfer in the absence of cytochrome c ₂ in <i>Rhodospseudomonas capsulata</i> : cytochrome c ₂ is not essential for electron flow from the cytochrome bc ₁ complex to the photochemical reaction center. <i>Biochemistry</i> , 1986, 25, 5208-5214.	2.5	72
63	Aldehyde ferredoxin oxidoreductase from the hyperthermophilic archaeobacterium <i>Pyrococcus furiosus</i> contains a tungsten oxo-thiolate center. <i>Journal of the American Chemical Society</i> , 1992, 114, 3521-3523.	13.7	69
64	Shoreline Bioremediation Following the Exxon Valdez Oil Spill in Alaska. <i>Bioremediation Journal</i> , 1997, 1, 97-104.	2.0	67
65	Bioremediation of marine oil spills. <i>Trends in Biotechnology</i> , 1997, 15, 158-160.	9.3	66
66	X-ray absorption spectroscopy of selenium-containing amino acids. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 791-794.	2.6	66
67	Weathering of an Arctic oil spill over 20 years: the BIOS experiment revisited. <i>Marine Pollution Bulletin</i> , 2002, 44, 1236-1242.	5.0	66
68	Roles of the Soluble Cytochrome c ₂ and Membrane-Associated Cytochrome c ₁ of <i>Rhodobacter capsulatus</i> in Photosynthetic Electron Transfer. <i>Biochemistry</i> , 1994, 33, 2496-2502.	2.5	65
69	Sequestration of fermentation CO ₂ from ethanol production. <i>Energy</i> , 2005, 30, 1865-1871.	8.8	65
70	Tyrosine radicals. <i>Trends in Biochemical Sciences</i> , 1988, 13, 286-288.	7.5	63
71	Alteration of Axial Coordination by Protein Engineering in Myoglobin. <i>Journal of Biological Chemistry</i> , 1995, 270, 15993-16001.	3.4	63
72	Bioremediation of Stranded Oil on an Arctic Shoreline. <i>Spill Science and Technology Bulletin</i> , 2003, 8, 303-312.	0.4	61

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73	Anaerobic biodegradation of alicyclic constituents of gasoline and natural gas condensate by bacteria from an anoxic aquifer. <i>FEMS Microbiology Ecology</i> , 2004, 49, 129-135.	2.7	60
74	Oxonol dyes as monitors of membrane potential. Their behavior in photosynthetic bacteria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1979, 545, 46-57.	1.0	59
75	The cationic plastoquinone radical of the chloroplast water splitting complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1984, 766, 283-288.	1.0	59
76	A protocol for assessing the effectiveness of oil spill dispersants in stimulating the biodegradation of oil. <i>Environmental Science and Pollution Research</i> , 2014, 21, 9506-9510.	5.3	59
77	Field metabolomics and laboratory assessments of anaerobic intrinsic bioremediation of hydrocarbons at a petroleum-contaminated site. <i>Microbial Biotechnology</i> , 2009, 2, 202-212.	4.2	54
78	X-Ray Absorption Spectroscopy as a Probe of Microbial Sulfur Biochemistry: the Nature of Bacterial Sulfur Globules Revisited. <i>Journal of Bacteriology</i> , 2008, 190, 6376-6383.	2.2	53
79	The orientation of the magnetic axes of the membrane-bound iron-sulfur clusters of spinach chloroplasts. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1980, 592, 323-337.	1.0	51
80	Excited-state redox potentials and the Z scheme of photosynthesis. <i>Trends in Biochemical Sciences</i> , 1985, 10, 382-383.	7.5	50
81	Thermodynamic resolution of the iron-sulfur centers of the succinic dehydrogenase of <i>Rhodospseudomonas sphaeroides</i> . <i>Archives of Biochemistry and Biophysics</i> , 1977, 178, 303-307.	3.0	47
82	Chemical Forms of Mercury and Selenium in Fish Following Digestion with Simulated Gastric Fluid. <i>Chemical Research in Toxicology</i> , 2008, 21, 2106-2110.	3.3	47
83	The biodegradation of crude oil in the deep ocean. <i>Marine Pollution Bulletin</i> , 2016, 111, 354-357.	5.0	46
84	A kinetic completion of the cyclic photosynthetic electron pathway of <i>Rhodospseudomonas sphaeroides</i> : Cytochrome b-cytochrome c2 oxidation-reduction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1975, 387, 609-613.	1.0	45
85	Spectroscopic properties of the hydroxylase of methane monooxygenase. <i>BBA - Proteins and Proteomics</i> , 1988, 952, 220-229.	2.1	44
86	The OSSA II Pipeline Oil Spill: the Character and Weathering of the Spilled Oil. <i>Spill Science and Technology Bulletin</i> , 2002, 7, 135-148.	0.4	44
87	The Microbiology of Marine Oil Spill Bioremediation. , 0, , 317-335.		44
88	Localizing the Chemical Forms of Sulfur in Vivo Using X-ray Fluorescence Spectroscopic Imaging: Application to Onion (<i>Allium cepa</i>) Tissues. <i>Biochemistry</i> , 2009, 48, 6846-6853.	2.5	43
89	Integrating Dispersants in Oil Spill Response in Arctic and Other Icy Environments. <i>Environmental Science & Technology</i> , 2018, 52, 6098-6112.	10.0	43
90	Isolation and spectroscopic properties of photochemical reaction centers from <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 890, 286-291.	1.0	42

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91	The Sulfur Chemistry of Shiitake Mushroom. <i>Journal of the American Chemical Society</i> , 2004, 126, 458-459.	13.7	42
92	Oil dispersants do facilitate biodegradation of spilled oil. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1421.	7.1	42
93	Electrogenic events in the ubiquinone-cytochrome bc ₂ oxidoreductase of <i>Rhodospseudomonas sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1979, 545, 223-235.	1.0	40
94	Physiological electron donors to the photochemical reaction center of <i>Rhodobacter capsulatus</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 894, 370-378.	1.0	39
95	Brassica Plants to Provide Enhanced Human Mineral Nutrition: Selenium Phytoenrichment and Metabolic Transformation. <i>Journal of Medicinal Food</i> , 1998, 1, 253-261.	1.5	38
96	Interaction of Arsenate with the Molybdenum Site of Sulfite Oxidase. <i>Journal of the American Chemical Society</i> , 1998, 120, 4522-4523.	13.7	38
97	Biodegradation of Methyltertiary-Butyl Ether (MTBE) and Other Fuel Oxygenates. <i>Critical Reviews in Microbiology</i> , 2000, 26, 163-178.	6.1	38
98	Wide Band, Time-Resolved Photoacoustic Study of Electron Transfer Reactions: Difference between Measured Enthalpies and Redox Free Energies. <i>The Journal of Physical Chemistry</i> , 1995, 99, 1090-1093.	2.9	37
99	<i>Rhodobacter capsulatus</i> MT113: A single mutation results in the absence of c-type cytochromes and in the absence of the cytochrome bc ₁ complex. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1987, 890, 292-301.	1.0	36
100	The location, orientation and stoichiometry of the Rieske iron-sulfur cluster in membranes from <i>Rhodospseudomonas sphaeroides</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1983, 723, 133-138.	1.0	35
101	X-ray absorption spectroscopy of oriented cytochrome oxidase. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993, 1142, 240-252.	1.0	35
102	The Reduction of Stranded Oil by In Situ Shoreline Treatment Options. <i>Spill Science and Technology Bulletin</i> , 2003, 8, 257-272.	0.4	35
103	X-ray Absorption Spectroscopy of Selenate Reductase. <i>Inorganic Chemistry</i> , 2004, 43, 402-404.	4.0	35
104	Spectroscopic and enzymatic evidence for membrane-bound electron transport carriers and hydrogenase and their relation to cytochrome b function in <i>Methanosarcina barkeri</i> . <i>FEMS Microbiology Letters</i> , 1987, 48, 267-272.	1.8	34
105	Biodegradation of Fuel Oil Under Laboratory and Arctic Marine Conditions. <i>Spill Science and Technology Bulletin</i> , 2003, 8, 297-302.	0.4	34
106	Orientation of membrane-bound cytochromes in chloroplasts, detected by low-temperature EPR spectroscopy. <i>FEBS Letters</i> , 1982, 144, 204-208.	2.8	33
107	Structure of the Molybdenum Site of <i>Rhodobacter sphaeroides</i> Biotin Sulfoxide Reductase. <i>Biochemistry</i> , 2000, 39, 4046-4052.	2.5	33
108	In situ observation of the generation of isothiocyanates from sinigrin in horseradish and wasabi. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2001, 1527, 156-160.	2.4	33

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109	Bioremediation of Marine Oil Spills. , 0 , 269-292.		32
110	Biodegradation of oil hydrocarbons and its implications for source identification. , 2016 , 869-916.		32
111	Tryptophan radicals. Trends in Biochemical Sciences, 1990, 15, 170-172.	7.5	31
112	Pyrogenic Polycyclic Aromatic Hydrocarbons in Oil Burn Residues. Environmental Science & Technology, 2000, 34, 1934-1937.	10.0	31
113	Coordination Chemistry at the Molybdenum Site of Sulfite Oxidase: Redox-Induced Structural Changes in the Cysteine 207 to Serine Mutant. Inorganic Chemistry, 2004, 43, 8456-8460.	4.0	31
114	Long-Range Chemical Sensitivity in the Sulfur K-Edge X-ray Absorption Spectra of Substituted Thiophenes. Journal of Physical Chemistry A, 2014, 118, 7796-7802.	2.5	31
115	Direct observation of bis-sulfur ligation to the heme of bacterioferritin. Journal of the American Chemical Society, 1993, 115, 7716-7718.	13.7	30
116	In-situ Treatment of Oiled Sediment Shorelines. Spill Science and Technology Bulletin, 2003, 8, 237-244.	0.4	30
117	Modified Active Site Coordination in a Clinical Mutant of Sulfite Oxidase. Journal of the American Chemical Society, 2007, 129, 9421-9428.	13.7	30
118	Evaluating persistence of petroleum hydrocarbons in aerobic aqueous media. Chemosphere, 2016, 155, 542-549.	8.2	30
119	Superoxide production by neutrophils. Trends in Biochemical Sciences, 1987, 12, 86-87.	7.5	29
120	A Review on the Factors Affecting the Deposition, Retention, and Biodegradation of Oil Stranded on Beaches and Guidelines for Designing Laboratory Experiments. Current Pollution Reports, 2019, 5, 407-423.	6.6	29
121	The pH dependence of the oxidation-reduction midpoint potential of cytochromes c2 in vivo. Biochimica Et Biophysica Acta - Bioenergetics, 1977, 459, 573-577.	1.0	28
122	The cytochromes of a marine Beggiatoa. Archives of Microbiology, 1988, 150, 193-196.	2.2	28
123	Toxicity Evaluation with the Microtox [®] Test to Assess the Impact of In Situ Oiled Shoreline Treatment Options: Natural Attenuation and Sediment Relocation. Spill Science and Technology Bulletin, 2003, 8, 273-284.	0.4	28
124	Mo ^V Electron Paramagnetic Resonance of Sulfite Oxidase Revisited: The Low-pH Chloride Signal. Inorganic Chemistry, 2008, 47, 2033-2038.	4.0	28
125	An Electron-Spin-Resonance Characterization of <i>Rhodospseudomonas capsulata</i> . Biochemical Society Transactions, 1974, 2, 950-953.	3.4	27
126	The reaction center and associated cytochromes of <i>Thiocapsa pfennigii</i> : Their thermodynamic and spectroscopic properties, and their possible location within the photosynthetic membrane. Biochimica Et Biophysica Acta - Bioenergetics, 1978, 501, 195-207.	1.0	27

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127	Synthesis, Purification, and Structural Characterization of the Dimethyldiselenoarsinate Anion. <i>Inorganic Chemistry</i> , 2002, 41, 5426-5432.	4.0	27
128	Sting like a bee! The ionophoric properties of melittin. <i>Trends in Biochemical Sciences</i> , 1985, 10, 99.	7.5	26
129	Rising interest in nitric oxide synthase. <i>Trends in Biochemical Sciences</i> , 1993, 18, 35-36.	7.5	26
130	Aqueous Vapor Extraction: A Previously Unrecognized Weathering Process Affecting Oil Spills in Vigorously Aerated Water. <i>Environmental Science & Technology</i> , 2002, 36, 2822-2825.	10.0	26
131	Equilibrium and Disequilibrium in the ubiquinone-cytochrome b ₆ -c ₂ oxidoreductase of <i>Rhodospseudomonas Sphaeroides</i> . <i>FEBS Letters</i> , 1978, 91, 15-20.	2.8	25
132	The interaction of the reaction center secondary quinone with the ubiquinone-cytochrome c ₂ oxidoreductase in <i>Rhodospseudomonas sphaeroides</i> chromatophores. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1981, 637, 512-522.	1.0	25
133	Resolution of the hemes of hydroxylamine oxidoreductase by redox potentiometry and electron spin resonance spectroscopy. <i>Biochemistry</i> , 1987, 26, 970-974.	2.5	25
134	Thioredoxin _{1/2h} overexpressed in barley seeds enhances selenite resistance and uptake during germination and early seedling development. <i>Planta</i> , 2003, 218, 186-191.	3.2	25
135	Anaerobic biodegradation of natural gas condensate can be stimulated by the addition of gasoline. <i>Biodegradation</i> , 2007, 18, 515-523.	3.0	25
136	Characterization of a modified nitrogenase Fe protein from <i>Klebsiella pneumoniae</i> in which the 4Fe4S cluster has been replaced by a 4Fe4Se cluster. <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 673-682.	2.6	25
137	Quinones as Prosthetic Groups in Membrane Electron-Transfer Proteins I: Systematic Replacement of the Primary Ubiquinone of Photochemical Reaction Centers with Other Quinones. , 1982, , 265-269.		25
138	Electrochemical titration of the S= 3/2 and S= 1/2 states of the iron protein of nitrogenase. <i>FEBS Letters</i> , 1986, 206, 4-8.	2.8	24
139	[8] Voltammetric measurements of quinones. <i>Methods in Enzymology</i> , 1986, 125, 109-119.	1.0	24
140	Just plain vanilla?. <i>Trends in Biochemical Sciences</i> , 1994, 19, 521.	7.5	24
141	Sulfur X-ray Absorption Spectroscopy of Living Mammalian Cells: An Enabling Tool for Sulfur Metabolomics. In Situ Observation of Uptake of Taurine into MDCK Cells. <i>Biochemistry</i> , 2007, 46, 14735-14741.	2.5	24
142	EPR observation of carbon monoxide dehydrogenase, methylreductase and corrinoid in intact <i>Methanosarcina barkeri</i> during methanogenesis from acetate. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1990, 1015, 53-60.	1.0	23
143	Electron Paramagnetic Resonance Spectroscopy of the Iron-Molybdenum Cofactor of <i>Clostridium pasteurianum</i> Nitrogenase. <i>Inorganic Chemistry</i> , 1996, 35, 434-438.	4.0	23
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