Emily E Weinert

List of Publications by Year
in descending order

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33 papers	1,040 citations	516710 16 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	1244 citing authors

#	Article	IF	Citations
1	A Structural Basis for Constitutive Activity in the Human CAR/RXRÎ± Heterodimer. Molecular Cell, 2004, 16, 919-928.	9.7	219
2	Substituents on Quinone Methides Strongly Modulate Formation and Stability of Their Nucleophilic Adducts. Journal of the American Chemical Society, 2006, 128, 11940-11947.	13.7	199
3	Comparison of the Structural and Physical Properties of Human Hair Eumelanin Following Enzymatic or Acid/Base Extraction. Pigment Cell & Melanoma Research, 2003, 16, 355-365.	3.6	112
4	Time-Dependent Evolution of Adducts Formed between Deoxynucleosides and a Model Quinone Methide. Chemical Research in Toxicology, 2005, 18, 1364-1370.	3.3	60
5	Establishing structure-function relationships for eumelanin. Biopolymers, 2002, 67, 302-305.	2.4	34
6	Oligomeric state affects oxygen dissociation and diguanylate cyclase activity of globin coupled sensors. Molecular BioSystems, 2014, 10, 2823-2826.	2.9	34
7	Identification of Ellagic Acid Rhamnoside as a Bioactive Component of a Complex Botanical Extract with Anti-biofilm Activity. Frontiers in Microbiology, 2017, 08, 496.	3.5	34
8	Determinants of Ligand Affinity and Heme Reactivity in Hâ€NOX Domains. Angewandte Chemie - International Edition, 2010, 49, 720-723.	13.8	33
9	RNase I regulates Escherichia coli 2â€²,3â€²-cyclic nucleotide monophosphate levels and biofilm formation. Biochemical Journal, 2018, 475, 1491-1506.	3.7	31
10	Mechanism and Role of Globin-Coupled Sensor Signalling. Advances in Microbial Physiology, 2017, 71, 133-169.	2.4	26
11	An O2-sensing stressosome from a Gram-negative bacterium. Nature Communications, 2016, 7, 12381.	12.8	25
12	Frequencies and relative levels of clustered damages in DNA exposed to gamma rays in radioquenching vs. nonradioquenching conditions. Environmental and Molecular Mutagenesis, 2001, 38, 159-165.	2.2	21
13	A Facile and Sensitive Method for Quantification of Cyclic Nucleotide Monophosphates in Mammalian Organs: Basal Levels of Eight cNMPs and Identification of 2',3'-cIMP. Biomolecules, 2014, 4, 1070-1092.	4.0	20
14	Gating NO Release from Nitric Oxide Synthase. Journal of the American Chemical Society, 2012, 134, 27-30.	13.7	19
15	Oxygen and Bis(3â€²,5â€²)-cyclic Dimeric Guanosine Monophosphate Binding Control Oligomerization State Equilibria of Diguanylate Cyclase-Containing Globin Coupled Sensors. Biochemistry, 2016, 55, 6642-6651.	2.5	18
16	Controlling Conformational Flexibility of an O₂-Binding H-NOX Domain. Biochemistry, 2011, 50, 6832-6840.	2.5	17
17	Structural Insights into Oxygen-Dependent Signal Transduction within Globin Coupled Sensors. Inorganic Chemistry, 2018, 57, 14386-14395.	4.0	17
18	Exploring the Links between Nucleotide Signaling and Quorum Sensing Pathways in Regulating Bacterial Virulence. ACS Infectious Diseases, 2018, 4, 1645-1655.	3.8	15

#	Article	IF	Citations
19	Trapping a Labile Adduct Formed between anortho-Quinone Methide and 2â€²-Deoxycytidine. Organic Letters, 2011, 13, 1186-1189.	4.6	14
20	Porphyrin Ï€-stacking in a heme protein scaffold tunes gas ligand affinity. Journal of Inorganic Biochemistry, 2013, 127, 7-12.	3.5	14
21	Oxygen-Dependent Globin Coupled Sensor Signaling Modulates Motility and Virulence of the Plant Pathogen Pectobacterium carotovorum. ACS Chemical Biology, 2017, 12, 2070-2077.	3.4	14
22	Globin domain interactions control heme pocket conformation and oligomerization of globin coupled sensors. Journal of Inorganic Biochemistry, 2016, 164, 70-76.	3.5	12
23	Differential ligand-selective control of opposing enzymatic activities within a bifunctional c-di-GMP enzyme. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
24	Cellular Effects of 2â€²,3â€²-Cyclic Nucleotide Monophosphates in Gram-Negative Bacteria. Journal of Bacteriology, 2022, 204, JB0020821.	2.2	11
25	Determinants of the Hemeâ€“CO Vibrational Modes in the H-NOX Family. Biochemistry, 2011, 50, 6519-6530.	2.5	10
26	RNase I Modulates Escherichia coli Motility, Metabolism, and Resistance. ACS Chemical Biology, 2020, 15, 1996-2004.	3.4	10
27	Heme-Edge Residues Modulate Signal Transduction within a Bifunctional Homo-Dimeric Sensor Protein. Biochemistry, 2021, 60, 3801-3812.	2.5	4
28	Purifying Properly Folded Cysteine-rich, Zinc Finger Containing Recombinant Proteins for Structural Drug Targeting Studies: the CH1 Domain of p300 as a Case Example. Bio-protocol, 2017, 7, .	0.4	2
29	Rescaling Biology: Increasing Integration Across Biological Scales and Subdisciplines to Enhance Understanding and Prediction. Integrative and Comparative Biology, 2021, , .	2.0	2
30	Ï€-Helix controls activity of oxygen-sensing diguanylate cyclases. Bioscience Reports, 2020, 40, .	2.4	2
31	69 Heme Proteins as Gas Sensors. Handbook of Porphyrin Science, 2011, , 123-157.	0.8	0
32	Elucidating the roles of 2â€², 3â€²â€cyclic nucleotide monophosphates in bacterial signaling and stress response. FASEB Journal, 2021, 35, .	0.5	0
33	2â€²,3â€²-Cyclic Mononucleotide Metabolism and Possible Roles in Bacterial Physiology. , 2020, , 627-637.		0