Colin Thorpe

List of Publications by Year
in descending order

21 papers	1,161 citations	623734 14 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1606 citing authors

#	Article	IF	Citations
1	Enabling <i>In Vivo</i> Photocatalytic Activation of Rapid Bioorthogonal Chemistry by Repurposing Silicon-Rhodamine Fluorophores as Cytocompatible Far-Red Photocatalysts. Journal of the American Chemical Society, 2021, 143, 10793-10803.	13.7	47
2	Redox proteins. Protein Science, 2019, 28, 5-7.	7.6	0
3	Designing Flavoprotein-GFP Fusion Probes for Analyte-Specific Ratiometric Fluorescence Imaging. Biochemistry, 2018, 57, 1178-1189.	2.5	7
4	<i>Gaussia princeps</i> luciferase: a bioluminescent substrate for oxidative protein folding. Protein Science, 2018, 27, 1509-1517.	7.6	9
5	Chemistry and Enzymology of Disulfide Cross-Linking in Proteins. Chemical Reviews, 2018, 118, 1169-1198.	47.7	165
6	Challenges in the evaluation of thiol-reactive inhibitors of human protein disulfide Isomerase. Free Radical Biology and Medicine, 2017, 108, 741-749.	2.9	14
7	Rapid Bioorthogonal Chemistry Turn-on through Enzymatic or Long Wavelength Photocatalytic Activation of Tetrazine Ligation. Journal of the American Chemical Society, 2016, 138, 5978-5983.	13.7	121
8	Mia40 is a facile oxidant of unfolded reduced proteins but shows minimal isomerase activity. Archives of Biochemistry and Biophysics, 2015, 579, 1-7.	3.0	12
9	Oxidative protein folding: From thiolâ€“disulfide exchange reactions to the redox poise of the endoplasmic reticulum. Free Radical Biology and Medicine, 2015, 80, 171-182.	2.9	123
10	Site-specific insertion of selenium into the redox-active disulfide of the flavoprotein augmenter of liver regeneration. Archives of Biochemistry and Biophysics, 2014, 548, 60-65.	3.0	6
11	Disulfide bond generation in mammalian blood serum: detection and purification of quiescin-sulfhydryl oxidase. Free Radical Biology and Medicine, 2014, 69, 129-135.	2.9	32
12	Protein Substrate Discrimination in the Quiescin Sulfhydryl Oxidase (QSOX) Family. Biochemistry, 2012, 51, 4226-4235.	2.5	18
13	A computational analysis of the interaction between flavin and thiol(ate) groups. Implications for flavoenzyme catalysis. Journal of Sulfur Chemistry, 2008, 29, 415-424.	2.0	6
14	Generating Disulfides in Multicellular Organisms: Emerging Roles for a New Flavoprotein Family*. Journal of Biological Chemistry, 2007, 282, 13929-13933.	3.4	69
15	Effect of a Charge-Transfer Interaction on the Catalytic Activity of Acyl-CoA Dehydrogenase:Â A Theoretical Study of the Role of Oxidized Flavin. Journal of Physical Chemistry B, 2003, 107, 13229-13236.	2.6	19
16	Câˆ’HÂ·Â·Â·Carboxylate Oxygen Hydrogen Bonding in Substrate Activation by Acyl-CoA Dehydrogenases:Â Synergy between the H-bonds. Journal of Physical Chemistry B, 2002, 106, 4325-4335.	2.6	34
17	Sulfhydryl oxidases: emerging catalysts of protein disulfide bond formation in eukaryotes. Archives of Biochemistry and Biophysics, 2002, 405, 1-12.	3.0	179
18	Interaction of 3,4-Dienoyl-CoA Thioesters with Medium Chain Acyl-CoA Dehydrogenase:Â Stereochemistry of Inactivation of a Flavoenzymeâ€. Biochemistry, 2001, 40, 12266-12275.	2.5	11

#	Article	IF	Citations
19	Egg White Sulfhydryl Oxidase:â€‰ Kinetic Mechanism of the Catalysis of Disulfide Bond Formation. Biochemistry, 1999, 38, 3211-3217.	2.5	66
20	Oxidase Activity of the Acyl-CoA Dehydrogenases. Biochemistry, 1998, 37, 10469-10477.	2.5	31
21	Structure and mechanism of action of the Acylâ€CoA dehydrogenases ¹. FASEB Journal, 1995, 9, 718-725.	0.5	192