

Luke Carroll

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

376
citations

759233

12
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and detection of oxidant-generated tryptophan dimers in peptides and proteins. <i>Free Radical Biology and Medicine</i> , 2017, 113, 132-142.	2.9	51
2	Selenium-containing indolyl compounds: Kinetics of reaction with inflammation-associated oxidants and protective effect against oxidation of extracellular matrix proteins. <i>Free Radical Biology and Medicine</i> , 2017, 113, 395-405.	2.9	49
3	Riboflavin-induced Type 1 photo-oxidation of tryptophan using a high intensity 365 nm light emitting diode. <i>Free Radical Biology and Medicine</i> , 2019, 131, 133-143.	2.9	39
4	Superoxide radicals react with peptide-derived tryptophan radicals with very high rate constants to give hydroperoxides as major products. <i>Free Radical Biology and Medicine</i> , 2018, 118, 126-136.	2.9	34
5	Catalytic oxidant scavenging by selenium-containing compounds: Reduction of selenoxides and N-chloramines by thiols and redox enzymes. <i>Redox Biology</i> , 2017, 12, 872-882.	9.0	29
6	Aggregation of $\hat{1}^{\pm}$ - and $\hat{1}^2$ - caseins induced by peroxy radicals involves secondary reactions of carbonyl compounds as well as di-tyrosine and di-tryptophan formation. <i>Free Radical Biology and Medicine</i> , 2018, 124, 176-188.	2.9	28
7	Reaction of low-molecular-mass organoselenium compounds (and their sulphur analogues) with inflammation-associated oxidants. <i>Free Radical Research</i> , 2015, 49, 750-767.	3.3	26
8	Oxidation of protein disulfide bonds by singlet oxygen gives rise to glutathionylated proteins. <i>Redox Biology</i> , 2021, 38, 101822.	9.0	23
9	Reactivity of selenium-containing compounds with myeloperoxidase-derived chlorinating oxidants: Second-order rate constants and implications for biological damage. <i>Free Radical Biology and Medicine</i> , 2015, 84, 279-288.	2.9	22
10	Formation of protein cross-links by singlet oxygen-mediated disulfide oxidation. <i>Redox Biology</i> , 2021, 41, 101874.	9.0	20
11	Interaction kinetics of selenium-containing compounds with oxidants. <i>Free Radical Biology and Medicine</i> , 2020, 155, 58-68.	2.9	19
12	Oxidant-induced glutathionylation at protein disulfide bonds. <i>Free Radical Biology and Medicine</i> , 2020, 160, 513-525.	2.9	14
13	Carnosine and Carnosine Derivatives Rapidly React with Hypochlorous Acid to Form Chloramines and Dichloramines. <i>Chemical Research in Toxicology</i> , 2019, 32, 513-525.	3.3	12
14	Crosslinking of human plasma C-reactive protein to human serum albumin via disulfide bond oxidation. <i>Redox Biology</i> , 2021, 41, 101925.	9.0	10