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Nitric oxide
free radicals
reactive species
lipid membranes
permeability

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Reactivity of hydrogen sulfide with peroxyxynitrite and other oxidants of biological interest S Carballal, M Trujillo, E Cuevasanta, S Bartesaghi, MN Möller, LK Folkes, ... Free Radical Biology and Medicine 50 (1), 196-205	215	2011
Protein tryptophan accessibility studied by fluorescence quenching M Möller, A Denicola Biochemistry and Molecular Biology Education 30 (3), 175-178	197	2002
Direct measurement of nitric oxide and oxygen partitioning into liposomes and low density lipoprotein M Möller, H Botti, C Batthyany, H Rubbo, R Radi, A Denicola Journal of Biological Chemistry 280 (10), 8850-8854	163	2005
Biological chemistry of hydrogen sulfide and persulfides E Cuevasanta, MN Möller, B Alvarez Archives of biochemistry and biophysics 617, 9-25	153	2017
Solubility and permeation of hydrogen sulfide in lipid membranes E Cuevasanta, A Denicola, B Alvarez, MN Möller PloS one 7 (4), e34562	137	2012
Acceleration of nitric oxide autoxidation and nitrosation by membranes MN Möller, Q Li, JR Lancaster Jr, A Denicola IUBMB life 59 (4-5), 243-248	115	2007
Study of protein-ligand binding by fluorescence M Möller, A Denicola Biochemistry and Molecular Biology Education 30 (5), 309-312	108	2002
Membrane "Lens" Effect: Focusing the Formation of Reactive Nitrogen Oxides from the $\cdot\text{NO}/\text{O}_2$ Reaction MN Möller, Q Li, DA Vitturi, JM Robinson, JR Lancaster, A Denicola Chemical research in toxicology 20 (4), 709-714	94	2007
Detection and quantification of nitric oxide-derived oxidants in biological systems MN Möller, N Rios, M Trujillo, R Radi, A Denicola, B Alvarez Journal of Biological Chemistry 294 (40), 14776-14802	88	2019
Benzo [1, 2-c] 1, 2, 5-oxadiazole N-oxide derivatives as potential antitrypanosomal drugs. Part 3: Substituents-clustering methodology in the search for new active compounds G Aguirre, L Boiani, H Cerecetto, R Di Maio, M González, W Porcal, ...	76	2005

TITLE	CITED BY	YEAR
Bioorganic & medicinal chemistry 13 (23), 6324-6335		
Antioxidant activity of Uruguayan propolis. In vitro and cellular assays V Silva, G Genta, MN Möller, M Masner, L Thomson, N Romero, R Radi, ... Journal of Agricultural and Food Chemistry 59 (12), 6430-6437	74	2011
Hydrogen sulfide and persulfides oxidation by biologically relevant oxidizing species D Benchoam, E Cuevasanta, MN Möller, B Alvarez Antioxidants 8 (2), 48	73	2019
The Chemical Basis of Thiol Addition to Nitro-Conjugated Linoleic Acid, a Protective Cell Signaling Lipid L Turell, DA Vitturi, EL Coitiño, EL Lebrato, MN Möller, C Sagasti, ... Journal of Biological Chemistry	52	2016
Solubility and diffusion of oxygen in phospholipid membranes MN Möller, Q Li, M Chinnaraj, HC Cheung, JR Lancaster Jr, A Denicola Biochimica et biophysica acta (bba)-biomembranes 1858 (11), 2923-2930	51	2016
Diffusion and transport of reactive species across cell membranes MN Möller, E Cuevasanta, F Orrico, AC Lopez, L Thomson, A Denicola Bioactive lipids in health and disease, 3-19	49	2019
The interaction of reactive oxygen and nitrogen species with membranes MN Möller, JR Lancaster Jr, A Denicola Current Topics in Membranes 61, 23-42	46	2008
Acidity and nucleophilic reactivity of glutathione persulfide D Benchoam, JA Semelak, E Cuevasanta, M Mastrogiovanni, ... Journal of Biological Chemistry 295 (46), 15466-15481	45	2020
Superoxide reaction with tyrosyl radicals generates para-hydroperoxy-and para-hydroxy-derivatives of tyrosine MN Möller, DM Hatch, HYH Kim, NA Porter Journal of the American Chemical Society 134 (40), 16773-16780	41	2012
Nitrogen dioxide solubility and permeation in lipid membranes S Signorelli, MN Möller, EL Coitiño, A Denicola Archives of biochemistry and biophysics 512 (2), 190-196	39	2011
Distance-Dependent Diffusion-Controlled Reaction of $\cdot\text{NO}$ and $\text{O}_2^{\cdot-}$ at Chemical Equilibrium with ONOO^- H Botti, MN Möller, D Steinmann, T Nauser, WH Koppenol, A Denicola, ... The journal of physical chemistry B 114 (49), 16584-16593	37	2010