Peter Nagy

List of Publications by Year
in descending order

55 papers	8,848 citations	159358 30 h-index	155451 55 g-index
58 all docs	58 docs citations	58 times ranked	18552 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	4.3	4,701
2	Polysulfides Link H₂S to Protein Thiol Oxidation. Antioxidants and Redox Signaling, 2013, 19, 1749-1765.	2.5	410
3	Kinetics and Mechanisms of Thiolâ€“Disulfide Exchange Covering Direct Substitution and Thiol Oxidation-Mediated Pathways. Antioxidants and Redox Signaling, 2013, 18, 1623-1641.	2.5	341
4	Autophagosomeâ€“lysosome fusion is independent of V-ATPase-mediated acidification. Nature Communications, 2015, 6, 7007.	5.8	314
5	Autophagosomal Syntaxin17-dependent lysosomal degradation maintains neuronal function in <i>Drosophila</i>. Journal of Cell Biology, 2013, 201, 531-539.	2.3	307
6	Chemical aspects of hydrogen sulfide measurements in physiological samples. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 876-891.	1.1	222
7	Rapid Reaction of Hydrogen Sulfide with the Neutrophil Oxidant Hypochlorous Acid to Generate Polysulfides. Chemical Research in Toxicology, 2010, 23, 1541-1543.	1.7	191
8	The Ccz1-Mon1-Rab7 module and Rab5 control distinct steps of autophagy. Molecular Biology of the Cell, 2016, 27, 3132-3142.	0.9	173
9	Reactive Sulfur Species:â€‰ Kinetics and Mechanisms of the Oxidation of Cysteine by Hypohalous Acid to Give Cysteine Sulfenic Acid. Journal of the American Chemical Society, 2007, 129, 14082-14091.	6.6	164
10	Advantages and Limitations of Different p62-Based Assays for Estimating Autophagic Activity in Drosophila. PLoS ONE, 2012, 7, e44214.	1.1	145
11	Nitrosopersulfide (SSNOâˆ’) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. Redox Biology, 2014, 2, 234-244.	3.9	133
12	How and why to study autophagy in Drosophila: Itâ€™s more than just a garbage chute. Methods, 2015, 75, 151-161.	1.9	106
13	Kinetics and Mechanisms of the Reaction of Hypothiocyanous Acid with 5-Thio-2-nitrobenzoic Acid and Reduced Glutathione. Chemical Research in Toxicology, 2009, 22, 1833-1840.	1.7	101
14	Model for the Exceptional Reactivity of Peroxiredoxins 2 and 3 with Hydrogen Peroxide. Journal of Biological Chemistry, 2011, 286, 18048-18055.	1.6	97
15	Interactions of hydrogen sulfide with myeloperoxidase. British Journal of Pharmacology, 2015, 172, 1516-1532.	2.7	96
16	Redox Chemistry of Biological Thiols. Advances in Molecular Toxicology, 2010, , 183-222.	0.4	94
17	Myc-Driven Overgrowth Requires Unfolded Protein Response-Mediated Induction of Autophagy and Antioxidant Responses in Drosophila melanogaster. PLoS Genetics, 2013, 9, e1003664.	1.5	81
18	Atg17/FIP200 localizes to perilysosomal Ref(2)P aggregates and promotes autophagy by activation of Atg1 in<i>Drosophila</i>. Autophagy, 2014, 10, 453-467.	4.3	75

#	Article	IF	Citations
19	The reaction of hydrogen sulfide with disulfides: formation of a stable trisulfide and implications for biological systems. British Journal of Pharmacology, 2019, 176, 671-683.	2.7	73
20	A proofâ€ofâ€concept, Phase 2 clinical trial of the gastrointestinal safety of a hydrogen sulfideâ€releasing antiâ€inflammatory drug. British Journal of Pharmacology, 2020, 177, 769-777.	2.7	72
21	Thiocyanate Is an Efficient Endogenous Scavenger of the Phagocytic Killing Agent Hypobromous Acid. Chemical Research in Toxicology, 2006, 19, 587-593.	1.7	64
22	Removal of amino acid, peptide and protein hydroperoxides by reaction with peroxiredoxins 2 and 3. Biochemical Journal, 2010, 432, 313-321.	1.7	52
23	Hypothiocyanous acid is a potent inhibitor of apoptosis and caspase 3 activation in endothelial cells. Free Radical Biology and Medicine, 2010, 49, 1054-1063.	1.3	46
24	Autophagy maintains stem cells and intestinal homeostasis in Drosophila. Scientific Reports, 2018, 8, 4644.	1.6	46
25	Lactoperoxidase-Catalyzed Oxidation of Thiocyanate by Hydrogen Peroxide:â€‰ A Reinvestigation of Hypothiocyanite by Nuclear Magnetic Resonance and Optical Spectroscopy. Biochemistry, 2006, 45, 12610-12616.	1.2	45
26	Superoxide-mediated Formation of Tyrosine Hydroperoxides and Methionine Sulfoxide in Peptides through Radical Addition and Intramolecular Oxygen Transfer. Journal of Biological Chemistry, 2009, 284, 14723-14733.	1.6	45
27	Reactive Sulfur Species:â€‰ Kinetics and Mechanism of the Oxidation of Cystine by Hypochlorous Acid to Give N,Nâ€˜-Dichlorocystine. Chemical Research in Toxicology, 2005, 18, 919-923.	1.7	42
28	Nephrocytes Remove Microbiota-Derived Peptidoglycan from Systemic Circulation to Maintain Immune Homeostasis. Immunity, 2019, 51, 625-637.e3.	6.6	39
29	Reactive Sulfur Species:â€‰ Kinetics and Mechanisms of the Reaction of Cysteine Thiosulfinate Ester with Cysteine to Give Cysteine Sulfenic Acid. Journal of Organic Chemistry, 2007, 72, 8838-8846.	1.7	37
30	A transcriptomic atlas of Aedes aegypti reveals detailed functional organization of major body parts and gut regional specializations in sugar-fed and blood-fed adult females. ELife, 2022, 11, .	2.8	36
31	Loss of Atg16 delays the alcohol-induced sedation response via regulation of Corazonin neuropeptide production in Drosophila. Scientific Reports, 2016, 6, 34641.	1.6	35
32	Reactive Sulfur Species: Kinetics and Mechanism of the Hydrolysis of Cysteine Thiosulfinate Ester. Chemical Research in Toxicology, 2007, 20, 1364-1372.	1.7	32
33	<i>Drosophila</i> Atg16 promotes enteroendocrine cell differentiation via regulation of intestinal Slit/Robo signaling. Development (Cambridge), 2017, 144, 3990-4001.	1.2	31
34	Reactions of superoxide with the myoglobin tyrosyl radical. Free Radical Biology and Medicine, 2010, 48, 1540-1547.	1.3	30
35	Microbes affect gut epithelial cell composition through immune-dependent regulation of intestinal stem cell differentiation. Cell Reports, 2022, 38, 110572.	2.9	30
36	Kinetics and Mechanism of the Comproportionation of Hypothiocyanous Acid and Thiocyanate to Give Thiocyanogen in Acidic Aqueous Solution. Inorganic Chemistry, 2007, 46, 285-292.	1.9	29

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37	Rapid reaction of superoxide with insulin-tyrosyl radicals to generate a hydroperoxide with subsequent glutathione addition. Free Radical Biology and Medicine, 2014, 70, 86-95.	1.3	27
38	Metabolism of sulfur compounds in homocystinurias. British Journal of Pharmacology, 2019, 176, 594-606.	2.7	27
39	Kinetics and Mechanism of the Oxidation of the Glutathione Dimer by Hypochlorous Acid and Catalytic Reduction of the Chloroamine Product by Glutathione Reductase. Chemical Research in Toxicology, 2007, 20, 79-87.	1.7	25
40	Conjugation of Glutathione to Oxidized Tyrosine Residues in Peptides and Proteins. Journal of Biological Chemistry, 2012, 287, 26068-26076.	1.6	24
41	Neutrophil-mediated oxidation of enkephalins via myeloperoxidase-dependent addition of superoxide. Free Radical Biology and Medicine, 2010, 49, 792-799.	1.3	23
42	On the kinetics and mechanism of the reaction of cysteine and hydrogen peroxide in aqueous solution. Journal of Pharmaceutical Sciences, 2006, 95, 15-18.	1.6	22
43	Metalâ^'Metal Bond or Isolated Metal Centers? Interaction of Hg(CN)2with Square Planar Transition Metal Cyanides. Inorganic Chemistry, 2005, 44, 9643-9651.	1.9	19
44	Reactive Sulfur Species:â€‰ Hydrolysis of Hypothiocyanite To Give Thiocarbamate-<i>S</i>-oxide. Journal of the American Chemical Society, 2007, 129, 15756-15757.	6.6	19
45	Revisiting a proposed kinetic model for the reaction of cysteine and hydrogen peroxide via cysteine sulfenic acid. International Journal of Chemical Kinetics, 2007, 39, 32-38.	1.0	19
46	Hydrogen sulfide inhibits calcification of heart valves; implications for calcific aortic valve disease. British Journal of Pharmacology, 2020, 177, 793-809.	2.7	19
47	Stem cell-specific endocytic degradation defects lead to intestinal dysplasia in Drosophila. DMM Disease Models and Mechanisms, 2016, 9, 501-12.	1.2	18
48	Solubility, Complex Formation, and Redox Reactions in the Tl2O3â^'HCN/CN-â^'H2O System. Crystal Structures of the Cyano Compounds Tl(CN)3Â·H2O, Na[Tl(CN)4]Â·3H2O, K[Tl(CN)4], and TlI[TlIII(CN)4] and of TlI2C2O4. Inorganic Chemistry, 2005, 44, 2347-2357.	1.9	15
49	Recommendations for Effective Intersectoral Collaboration in Health Promotion Interventions: Results from Joint Action CHRODIS-PLUS Work Package 5 Activities. International Journal of Environmental Research and Public Health, 2020, 17, 6474.	1.2	15
50	Kinetics and mechanism of triethylamine-catalyzed 1,3-proton shift. Journal of Fluorine Chemistry, 2008, 129, 409-415.	0.9	11
51	Kinetics and Mechanism of Platinumâ^'Thallium Bond Formation:â€‰ The Binuclear [(CN)5Ptâ^'Tl(CN)]- and the Trinuclear [(CN)5Ptâ^'Tlâ^'Pt(CN)5]3- Complex. Inorganic Chemistry, 2004, 43, 5216-5221.	1.9	9
52	Kinetics and Mechanism of Formation of the Platinumâ^'Thallium Bond:Â The [(CN)5Ptâ^'Tl(CN)3]3-Complex. Inorganic Chemistry, 2003, 42, 6907-6914.	1.9	6
53	Hypertrophy of Rat Skeletal Muscle Is Associated with Increased SIRT1/Akt/mTOR/S6 and Suppressed Sestrin2/SIRT3/FOXO1 Levels. International Journal of Molecular Sciences, 2021, 22, 7588.	1.8	6
54	The decomposition and formation of the platinumâ€"thallium bond in the [(CN)5Ptâ€"Tl(edta)]4â^' complex: kinetics and mechanism. Journal of Molecular Liquids, 2005, 118, 195-207.	2.3	5

#	ARTICLE	IF	CITATIONS
55	Highlighted mechanistic aspects in the chemical biology of reactive sulfur species. British Journal of Pharmacology, 2019, 176, 511-513.	2.7	3