

Peter Nagy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

6,990
citations

28
h-index

58
g-index

58
ext. papers

8,110
ext. citations

6.7
avg, IF

5.57
L-index

#	Paper	IF	Citations
52	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
51	Polysulfides link H ₂ S to protein thiol oxidation. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1749-65	8.4	328
50	Kinetics and mechanisms of thiol-disulfide exchange covering direct substitution and thiol oxidation-mediated pathways. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 1623-41	8.4	241
49	Autophagosome-lysosome fusion is independent of V-ATPase-mediated acidification. <i>Nature Communications</i> , 2015 , 6, 7007	17.4	216
48	Autophagosomal Syntaxin17-dependent lysosomal degradation maintains neuronal function in <i>Drosophila</i> . <i>Journal of Cell Biology</i> , 2013 , 201, 531-9	7.3	216
47	Chemical aspects of hydrogen sulfide measurements in physiological samples. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 876-91	4	191
46	Rapid reaction of hydrogen sulfide with the neutrophil oxidant hypochlorous acid to generate polysulfides. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1541-3	4	159
45	Reactive sulfur species: kinetics and mechanisms of the oxidation of cysteine by hypohalous acid to give cysteine sulfenic acid. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14082-91	16.4	142
44	The Ccz1-Mon1-Rab7 module and Rab5 control distinct steps of autophagy. <i>Molecular Biology of the Cell</i> , 2016 , 27, 3132-3142	3.5	108
43	Nitrosopersulfide (SSNO(-)) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. <i>Redox Biology</i> , 2014 , 2, 234-44	11.3	107
42	Advantages and limitations of different p62-based assays for estimating autophagic activity in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012 , 7, e44214	3.7	97
41	Model for the exceptional reactivity of peroxiredoxins 2 and 3 with hydrogen peroxide: a kinetic and computational study. <i>Journal of Biological Chemistry</i> , 2011 , 286, 18048-55	5.4	92
40	Kinetics and mechanisms of the reaction of hypothiocyanous acid with 5-thio-2-nitrobenzoic acid and reduced glutathione. <i>Chemical Research in Toxicology</i> , 2009 , 22, 1833-40	4	88
39	Redox Chemistry of Biological Thiols. <i>Advances in Molecular Toxicology</i> , 2010 , 183-222	0.4	78
38	Interactions of hydrogen sulfide with myeloperoxidase. <i>British Journal of Pharmacology</i> , 2015 , 172, 1516832		75
37	Myc-driven overgrowth requires unfolded protein response-mediated induction of autophagy and antioxidant responses in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2013 , 9, e1003664	6	69
36	How and why to study autophagy in <i>Drosophila</i> : it's more than just a garbage chute. <i>Methods</i> , 2015 , 75, 151-61	4.6	66

35	Thiocyanate is an efficient endogenous scavenger of the phagocytic killing agent hypobromous acid. <i>Chemical Research in Toxicology</i> , 2006 , 19, 587-93	4	63
34	Atg17/FIP200 localizes to perilyosomal Ref(2)P aggregates and promotes autophagy by activation of Atg1 in <i>Drosophila</i> . <i>Autophagy</i> , 2014 , 10, 453-67	10.2	55
33	The reaction of hydrogen sulfide with disulfides: formation of a stable trisulfide and implications for biological systems. <i>British Journal of Pharmacology</i> , 2019 , 176, 671-683	8.6	45
32	Removal of amino acid, peptide and protein hydroperoxides by reaction with peroxiredoxins 2 and 3. <i>Biochemical Journal</i> , 2010 , 432, 313-21	3.8	45
31	Lactoperoxidase-catalyzed oxidation of thiocyanate by hydrogen peroxide: a reinvestigation of hypothiocyanite by nuclear magnetic resonance and optical spectroscopy. <i>Biochemistry</i> , 2006 , 45, 12610-32	3.2	44
30	A proof-of-concept, Phase 2 clinical trial of the gastrointestinal safety of a hydrogen sulfide-releasing anti-inflammatory drug. <i>British Journal of Pharmacology</i> , 2020 , 177, 769-777	8.6	44
29	Reactive sulfur species: kinetics and mechanism of the oxidation of cystine by hypochlorous acid to give N,Ns-dichlorocystine. <i>Chemical Research in Toxicology</i> , 2005 , 18, 919-23	4	41
28	Superoxide-mediated formation of tyrosine hydroperoxides and methionine sulfoxide in peptides through radical addition and intramolecular oxygen transfer. <i>Journal of Biological Chemistry</i> , 2009 , 284, 14723-33	5.4	39
27	Hypothiocyanous acid is a potent inhibitor of apoptosis and caspase 3 activation in endothelial cells. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1054-63	7.8	39
26	Reactive sulfur species: kinetics and mechanisms of the reaction of cysteine thiosulfinate ester with cysteine to give cysteine sulfenic acid. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8838-46	4.2	36
25	Autophagy maintains stem cells and intestinal homeostasis in <i>Drosophila</i> . <i>Scientific Reports</i> , 2018 , 8, 4644	4.9	34
24	Reactive sulfur species: kinetics and mechanism of the hydrolysis of cysteine thiosulfinate ester. <i>Chemical Research in Toxicology</i> , 2007 , 20, 1364-72	4	28
23	Kinetics and mechanism of the comproportionation of hypothiocyanous acid and thiocyanate to give thiocyanogen in acidic aqueous solution. <i>Inorganic Chemistry</i> , 2007 , 46, 285-92	5.1	27
22	Reactions of superoxide with the myoglobin tyrosyl radical. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1540-7	7.8	25
21	Rapid reaction of superoxide with insulin-tyrosyl radicals to generate a hydroperoxide with subsequent glutathione addition. <i>Free Radical Biology and Medicine</i> , 2014 , 70, 86-95	7.8	24
20	Kinetics and mechanism of the oxidation of the glutathione dimer by hypochlorous Acid and catalytic reduction of the chloroamine product by glutathione reductase. <i>Chemical Research in Toxicology</i> , 2007 , 20, 79-87	4	24
19	Loss of Atg16 delays the alcohol-induced sedation response via regulation of Corazonin neuropeptide production in <i>Drosophila</i> . <i>Scientific Reports</i> , 2016 , 6, 34641	4.9	23
18	Nephrocytes Remove Microbiota-Derived Peptidoglycan From Systemic Circulation to Maintain Immune Homeostasis. <i>Immunity</i> , 2019 , 51, 625-637.e3	32.3	20

17	Conjugation of glutathione to oxidized tyrosine residues in peptides and proteins. <i>Journal of Biological Chemistry</i> , 2012 , 287, 26068-76	5.4	20
16	On the kinetics and mechanism of the reaction of cysteine and hydrogen peroxide in aqueous solution. <i>Journal of Pharmaceutical Sciences</i> , 2006 , 95, 15-8	3.9	20
15	Metabolism of sulfur compounds in homocystinurias. <i>British Journal of Pharmacology</i> , 2019 , 176, 594-606	6.6	20
14	Atg16 promotes enteroendocrine cell differentiation via regulation of intestinal Slit/Robo signaling. <i>Development (Cambridge)</i> , 2017 , 144, 3990-4001	6.6	19
13	Reactive sulfur species: hydrolysis of hypothiocyanite to give thiocarbamate-S-oxide. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15756-7	16.4	18
12	Neutrophil-mediated oxidation of enkephalins via myeloperoxidase-dependent addition of superoxide. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 792-9	7.8	17
11	Revisiting a proposed kinetic model for the reaction of cysteine and hydrogen peroxide via cysteine sulfenic acid. <i>International Journal of Chemical Kinetics</i> , 2007 , 39, 32-38	1.4	17
10	Metal-metal bond or isolated metal centers? Interaction of Hg(CN) ₂ with square planar transition metal cyanides. <i>Inorganic Chemistry</i> , 2005 , 44, 9643-51	5.1	16
9	Stem-cell-specific endocytic degradation defects lead to intestinal dysplasia in Drosophila. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 501-12	4.1	15
8	Solubility, complex formation, and redox reactions in the Tl ₂ O ₃ -HCN/CN(-)-H ₂ O system. Crystal structures of the cyano compounds Tl(CN) ₃ ·H ₂ O, Na[Tl(CN) ₄] ₃ ·3H ₂ O, K[Tl(CN) ₄], and Tl(I)[Tl(III)(CN) ₄] and of Tl(I) ₂ C ₂ O ₄ . <i>Inorganic Chemistry</i> , 2005 , 44, 2347-57	5.1	14
7	Kinetics and mechanism of triethylamine-catalyzed 1,3-proton shift: Optimized and substantially improved reaction conditions for biomimetic reductive amination of fluorine-containing carbonyl compounds. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 409-415	2.1	11
6	Kinetics and mechanism of platinum-thallium bond formation: the binuclear [(CN) ₅ Pt-Tl(CN)](-) and the trinuclear [(CN) ₅ Pt-Tl-Pt(CN) ₅](3-) complex. <i>Inorganic Chemistry</i> , 2004 , 43, 5216-21	5.1	9
5	Hydrogen sulfide inhibits calcification of heart valves; implications for calcific aortic valve disease. <i>British Journal of Pharmacology</i> , 2020 , 177, 793-809	8.6	8
4	Kinetics and mechanism of formation of the platinum-thallium bond: the [(CN) ₅ Pt-Tl(CN) ₃](3-)(-) complex. <i>Inorganic Chemistry</i> , 2003 , 42, 6907-14	5.1	5
3	The decomposition and formation of the platinum-thallium bond in the [(CN) ₅ PtTl(edta)] ⁴⁻ complex: kinetics and mechanism. <i>Journal of Molecular Liquids</i> , 2005 , 118, 195-207	6	4
2	Recommendations for Effective Intersectoral Collaboration in Health Promotion Interventions: Results from Joint Action CHRODIS-PLUS Work Package 5 Activities. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
1	Microbes affect gut epithelial cell composition through immune-dependent regulation of intestinal stem cell differentiation.. <i>Cell Reports</i> , 2022 , 38, 110572	10.6	2