

Stephen C Pak

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

5,891
citations

471509

17
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

15282
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	<i>C. elegans</i> in high-throughput drug discovery. <i>Advanced Drug Delivery Reviews</i> , 2014, 69-70, 247-253.	13.7	197
3	Automated High-Content Live Animal Drug Screening Using <i>C. elegans</i> Expressing the Aggregation Prone Serpin α_1 -antitrypsin Z. <i>PLoS ONE</i> , 2010, 5, e15460.	2.5	160
4	An Intracellular Serpin Regulates Necrosis by Inhibiting the Induction and Sequelae of Lysosomal Injury. <i>Cell</i> , 2007, 130, 1108-1119.	28.9	144
5	Serpins Flex Their Muscle. <i>Journal of Biological Chemistry</i> , 2010, 285, 24299-24305.	3.4	128
6	The Serpin SQN-5 Is a Dual Mechanistic-Class Inhibitor of Serine and Cysteine Proteinases. <i>Biochemistry</i> , 2002, 41, 3189-3199.	2.5	61
7	Model organisms contribute to diagnosis and discovery in the undiagnosed diseases network: current state and a future vision. <i>Orphanet Journal of Rare Diseases</i> , 2021, 16, 206.	2.7	53
8	Inhibition of the cysteine proteinases cathepsins K and L by the serpin headpin (SERPINB13): a kinetic analysis. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 367-374.	3.0	46
9	Serum squamous cell carcinoma antigen as an early indicator of response during therapy of cervical cancer. <i>British Journal of Cancer</i> , 2018, 118, 72-78.	6.4	46
10	Quantitative assessment of cell fate decision between autophagy and apoptosis. <i>Scientific Reports</i> , 2017, 7, 17605.	3.3	42
11	A genome-wide RNAi screen identifies potential drug targets in a <i>C. elegans</i> model of α_1 -antitrypsin deficiency. <i>Human Molecular Genetics</i> , 2014, 23, 5123-5132.	2.9	41
12	Fluphenazine Reduces Proteotoxicity in <i>C. elegans</i> and Mammalian Models of Alpha-1-Antitrypsin Deficiency. <i>PLoS ONE</i> , 2014, 9, e87260.	2.5	37
13	Enhancing Autophagy with Drugs or Lung-directed Gene Therapy Reverses the Pathological Effects of Respiratory Epithelial Cell Proteinopathy. <i>Journal of Biological Chemistry</i> , 2015, 290, 29742-29757.	3.4	35
14	A <i>C. elegans</i> model of human α_1 -antitrypsin deficiency links components of the RNAi pathway to misfolded protein turnover. <i>Human Molecular Genetics</i> , 2014, 23, 5109-5122.	2.9	32
15	<i>Caenorhabditis elegans</i> : A Model System for Anti-Cancer Drug Discovery and Therapeutic Target Identification. <i>Biomolecules and Therapeutics</i> , 2014, 22, 371-383.	2.4	31
16	An analog of glibenclamide selectively enhances autophagic degradation of misfolded α_1 -antitrypsin Z. <i>PLoS ONE</i> , 2019, 14, e0209748.	2.5	19
17	The amplified mouse squamous cell carcinoma antigen gene locus contains a serpin (Serpib3b) that inhibits both papain-like cysteine and trypsin-like serine proteinases. <i>Genomics</i> , 2004, 84, 166-175.	2.9	18
18	Mechanisms of Action of Autophagy Modulators Dissected by Quantitative Systems Pharmacology Analysis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2855.	4.1	17

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19	A high-content assay for identifying small molecules that reprogram <i>C. elegans</i> germ cell fate. <i>Methods</i> , 2014, 68, 529-535.	3.8	13
20	The <i>Caenorhabditis elegans</i> Muscle Specific Serpin, SRP-3, Neutralizes Chymotrypsin-like Serine Peptidases. <i>Biochemistry</i> , 2006, 45, 4474-4480.	2.5	12
21	SERPINB3 (SCCA1) inhibits cathepsin L and lysoptosis, protecting cervical cancer cells from chemoradiation. <i>Communications Biology</i> , 2022, 5, 46.	4.4	10
22	Deficient and Null Variants of SERPINA1 Are Proteotoxic in a <i>Caenorhabditis elegans</i> Model of α 1-Antitrypsin Deficiency. <i>PLoS ONE</i> , 2015, 10, e0141542.	2.5	9
23	A dominant negative variant of <i>RAB5B</i> disrupts maturation of surfactant protein B and surfactant protein C. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9
24	Lysoptosis is an evolutionarily conserved cell death pathway moderated by intracellular serpins. <i>Communications Biology</i> , 2022, 5, 47.	4.4	7
25	High-Throughput, Liquid-Based Genome-Wide RNAi Screening in <i>C. elegans</i> . <i>Methods in Molecular Biology</i> , 2016, 1470, 151-162.	0.9	6
26	Functional analysis of a de novo variant in the neurodevelopment and generalized epilepsy disease gene NBEA. <i>Molecular Genetics and Metabolism</i> , 2021, 134, 195-202.	1.1	5
27	α 1-Antitrypsin deficiency and the hepatocytes “An <i>elegans</i> solution to drug discovery. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 47, 109-112.	2.8	4
28	Functional analysis of a novel de novo variant in PPP5C associated with microcephaly, seizures, and developmental delay. <i>Molecular Genetics and Metabolism</i> , 2022, 136, 65-73.	1.1	4
29	The Aggregation-Prone Intracellular Serpin SRP-2 Fails to Transit the ER in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2015, 200, 207-219.	2.9	2
30	Using <i>Caenorhabditis elegans</i> to Study Serpinopathies. <i>Methods in Enzymology</i> , 2011, 499, 259-281.	1.0	1