Per O Seglen

List of Publications by Year
in descending order

117 papers	24,050 citations	31976 53 h-index	20961 115 g-index
118 all docs	118 docs citations	118 times ranked	29501 citing authors

#	Article	IF	Citations
1	Measurement of Bulk Autophagy by a Cargo Sequestration Assay. Methods in Molecular Biology, 2019, 1880, 307-313.	0.9	2
2	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
3	Autophagy of cytoplasmic bulk cargo does not require LC3. Autophagy, 2016, 12, 439-441.	9.1	33
4	Novel steps in the autophagicâ€lysosomal pathway. FEBS Journal, 2015, 282, 2202-2214.	4.7	14
5	Macroautophagic cargo sequestration assays. Methods, 2015, 75, 25-36.	3.8	24
6	Autophagic bulk sequestration of cytosolic cargo is independent of LC3, but requires GABARAPs. Experimental Cell Research, 2015, 333, 21-38.	2.6	61
7	Autophagy proteins control goblet cell function by potentiating reactive oxygen species production. EMBO Journal, 2013, 32, 3130-3144.	7.8	216
8	Modulation of intracellular calcium homeostasis blocks autophagosome formation. Autophagy, 2013, 9, 1475-1490.	9.1	83
9	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
10	Seeing is believing: The impact of electron microscopy on autophagy research. Autophagy, 2011, 7, 935-956.	9.1	246
11	Autophagic activity measured in whole rat hepatocytes as the accumulation of a novel BHMT fragment (p10), generated in amphisomes by the asparaginyl proteinase, legumain. Autophagy, 2011, 7, 1011-1027.	9.1	20
12	The Norse god of autophagy. Autophagy, 2010, 6, 1017-1031.	9.1	4
13	Purification of autophagosomes from rat hepatocytes. Autophagy, 2010, 6, 542-547.	9.1	33
14	Chapter 5 Sequestration Assays for Mammalian Autophagy. Methods in Enzymology, 2009, 452, 63-83.	1.0	17
15	Phosphorylated and non-phosphorylated forms of catechol <i>O</i>-methyltransferase in rat liver, brain and other tissues. Biochemical Journal, 2009, 417, 535-545.	3.7	18
16	Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. Autophagy, 2008, 4, 151-175.	9.1	2,064
17	Does bafilomycin A₁block the fusion of autophagosomes with lysosomes?. Autophagy, 2008, 4, 849-850.	9.1	422
18	How Shall I Eat Thee?. Autophagy, 2007, 3, 413-416.	9.1	145

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19	Methods for Monitoring Autophagy from Yeast to Human. Autophagy, 2007, 3, 181-206.	9.1	614
20	Proteomic Analysis of Membrane-Associated Proteins from Rat Liver Autophagosomes. Autophagy, 2007, 3, 300-322.	9.1	151
21	Stimulation of hepatocytic AMP-activated protein kinase by okadaic acid and other autophagy-suppressive toxins. Biochemical Journal, 2005, 386, 237-244.	3.7	62
22	Comigration of Two Autophagosome-Associated Dehydrogenases on Two-Dimensional Polyacrylamide Gels. Autophagy, 2005, 1, 157-162.	9.1	13
23	Toxin-Induced Tail Phosphorylation of Hepatocellular S6 Kinase: Evidence for a Dual Involvement of the AMP-Activated Protein Kinase in S6 Kinase Regulation. Toxicological Sciences, 2004, 82, 628-637.	3.1	9
24	Programmed Autophagy in the Drosophila Fat Body Is Induced by Ecdysone through Regulation of the PI3K Pathway. Developmental Cell, 2004, 7, 179-192.	7.0	434
25	Okadaic acid-induced, naringin-sensitive phosphorylation of glycine N-methyltransferase in isolated rat hepatocytes. Biochemical Journal, 2003, 373, 505-513.	3.7	12
26	Naringin-sensitive Phosphorylation of Plectin, a Cytoskeletal Cross-linking Protein, in Isolated Rat Hepatocytes. Journal of Biological Chemistry, 2002, 277, 34826-34835.	3.4	36
27	Effects of the diarrhetic shellfish toxin, okadaic acid, on cytoskeletal elements, viability and functionality of rat liver and intestinal cells. Toxicon, 2001, 39, 349-362.	1.6	54
28	Autophagosome-associated variant isoforms of cytosolic enzymes. Biochemical Journal, 2000, 352, 773.	3.7	9
29	Ultrastructural characterization of the delimiting membranes of isolated autophagosomes and amphisomes by freeze-fracture electron microscopy. European Journal of Cell Biology, 2000, 79, 871-882.	3.6	120
30	Citation rates and journal impact factors are not suitable for evaluation of research. Acta Orthopaedica, 1998, 69, 224-229.	1.4	192
31	Inhibition of Hepatocytic Autophagy by Adenosine, Aminoimidazole-4-carboxamide Riboside, and N 6-Mercaptopurine Riboside. Journal of Biological Chemistry, 1998, 273, 23758-23763.	3.4	135
32	Inhibition of Hepatocytic Autophagy by Adenosine, Adenosine Analogs and AMP. Biological Chemistry, 1998, 379, 1341-1348.	2.5	17
33	Isolation and Characterization of Rat Liver Amphisomes. Journal of Biological Chemistry, 1998, 273, 21883-21892.	3.4	307
34	Purification and characterization of autophagosomes from rat hepatocytes. Biochemical Journal, 1998, 335, 217-224.	3.7	153
35	Regional Selective Neuronal Degeneration after Protein Phosphatase Inhibition in Hippocampal Slice Cultures: Evidence for a MAP Kinase-Dependent Mechanism. Journal of Neuroscience, 1998, 18, 7296-7305.	3.6	163
36	A novel method for the study of autophagy: destruction of hepatocytic lysosomes, but not autophagosomes, by the photosensitizing porphyrin tetra(4-sulphonatophenyl)porphine. Biochemical Journal, 1997, 321, 217-225.	3.7	10

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37	Structural Aspects of Autophagy. Advances in Experimental Medicine and Biology, 1996, 389, 103-111.	1.6	80
38	Quantification of scientific article contents. Scientometrics, 1996, 35, 355-366.	3.0	12
39	Role of cAMP in the Regulation of Hepatocytic Autophagy. FEBS Journal, 1996, 236, 163-170.	0.2	47
40	Protection by Naringin and Some Other Flavonoids of Hepatocytic Autophagy and Endocytosis against Inhibition by Okadaic Acid. Journal of Biological Chemistry, 1995, 270, 5830-5838.	3.4	68
41	Inhibition of Autophagy and Multiple Steps in Asialoglycoprotein Endocytosis by Inhibitors of Tyrosine Protein Kinases (Tyrphostins). Journal of Biological Chemistry, 1995, 270, 12823-12831.	3.4	41
42	Disruption of the Cytokeratin Cytoskeleton and Inhibition of Hepatocytic Autophagy by Okadaic Acid. Experimental Cell Research, 1995, 218, 522-530.	2.6	100
43	Ultrastructural and Immunocytochemical Characterization of Autophagic Vacuoles in Isolated Hepatocytes: Effects of Vinblastine and Asparagine on Vacuole Distributions. Experimental Cell Research, 1995, 221, 504-519.	2.6	122
44	Effect of 4-acetylaminofluorene and other tumour promoters on hepatocellular growth and binucleation. Carcinogenesis, 1994, 15, 371-379.	2.8	21
45	Causal relationship between article citedness and journal impact. Journal of the Association for Information Science and Technology, 1994, 45, 1-11.	1.0	185
46	Ploidy-Dependent Growth and Binucleation in Cultured Rat Hepatocytes. Experimental Cell Research, 1994, 214, 551-560.	2.6	65
47	Inhibition of hepatocytic autophagy by okadaic acid and other protein phosphatase inhibitors. FEBS Journal, 1993, 215, 113-122.	0.2	81
48	Reduced autophagic activity in primary rat hepatocellular carcinoma and ascites hepatoma cells. Carcinogenesis, 1993, 14, 2501-2505.	2.8	126
49	Isolation of Hepatocytes by Collagenase Perfusion. , 1993, , 231-243.		22
50	Reduced proliferative activity of polyploid cells in primary hepatocellular carcinoma. Carcinogenesis, 1992, 13, 1795-1801.	2.8	39
51	Analytical methods for the study of liver cell proliferation. Cytometry, 1992, 13, 404-415.	1.8	32
52	The skewness of science. Journal of the Association for Information Science and Technology, 1992, 43, 628-638.	1.0	552
53	Citation frequency and journal impact: valid indicators of scientific quality?. Journal of Internal Medicine, 1991, 229, 109-111.	6.0	46
54	Liver tumor promoters stimulate growth of transplanted hepatocellular carcinomas. Hepatology, 1990, 12, 295-300.	7.3	15

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55	Neuroendocrine dysdifferentiation and bombesin production in carcinogen-induced hepatocellular rat tumours. Carcinogenesis, 1989, 10, 21-25.	2.8	18
56	From bad to worse: evaluation by journal impact. Trends in Biochemical Sciences, 1989, 14, 326-327.	7.5	43
57	Prelysosomal convergence of autophagic and endocytic pathways. Biochemical and Biophysical Research Communications, 1988, 151, 40-47.	2.1	259
58	2-Acetylaminofluorene promotion of liver carcinogenesis by a non-cytotoxic mechanism. Carcinogenesis, 1988, 9, 581-587.	2.8	27
59	The polyploidizing growth pattern of normal rat liver is replaced by divisional, diploid growth in hepatocellular nodules and carcinomas. Carcinogenesis, 1988, 9, 939-945.	2.8	86
60	Nuclear Alterations During Hepatocarcinogenesis: Promotion by 2-Acetylaminofluorene. , 1988, , 221-229.		1
61	Endocytosis of Asialo-glycoproteins and Attachment to Asialo-glycoproteins of Hepatocytes from Carcinogen-Treated Rats. Toxicologic Pathology, 1987, 15, 88-92.	1.8	1
62	Transplantation of Preneoplastic Rat Hepatoeytes by Intraportal Injection. Toxicologic Pathology, 1987, 15, 78-81.	1.8	5
63	Convergence of autophagic and endocytic pathways at the level of the lysosome. Biochemical Society Transactions, 1987, 15, 964-965.	3.4	14
64	Temperature dependence of protein degradation, autophagic sequestration and mitochondrial sugar uptake in rat hepatocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1987, 929, 128-133.	4.1	26
65	Energy dependence of autophagic protein degradation in isolated rat hepatocytes. FEBS Journal, 1987, 164, 197-203.	0.2	83
66	Use of [3H]raffinose as a specific probe of autophagic sequestration. Experimental Cell Research, 1986, 162, 273-277.	2.6	52
67	Use of a hydrolysable probe, [14C]lactose, to distinguish between pre-lysosomal and lysosomal steps in the autophagic pathway. Experimental Cell Research, 1986, 166, 1-14.	2.6	55
68	Changes in Cellular Ploidy and Autophagic Responsiveness During Rat Liver Carcinogenesis. Toxicologic Pathology, 1986, 14, 342-348.	1.8	31
69	Autophagy and protein degradation in isolated rat hepatocytes. Biochemical Society Transactions, 1985, 13, 1007-1010.	3.4	16
70	Autophagic-lysosomal and mitochondrial sequestration of [14C]sucrose. Density gradient distribution of sequestered radioactivity. FEBS Journal, 1985, 153, 223-229.	0.2	16
71	Cell cycle traverse and protein metabolism in human NHIK 3025 cells: The role of anchorage. Journal of Cellular Physiology, 1985, 125, 528-532.	4.1	8
72	Uptake and degradation of asialo-orosomucoid in hepatocytes from carcinogen-treated rats. Carcinogenesis, 1985, 6, 777-782.	2.8	11

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73	Conversion of dense lysosomes into light lysosomes during hepatocytic autophagy. Experimental Cell Research, 1985, 157, 550-555.	2.6	33
74	Reduced autophagic activity, improved protein balance and enhanced in vitro survival of hepatocytes isolated from carcinogen-treated rats. Experimental Cell Research, 1985, 157, 15-28.	2.6	103
75	Autophagic sequestration of [14C]sucrose introduced into isolated rat hepatocytes by electrical and non-electrical methods. Experimental Cell Research, 1985, 160, 449-458.	2.6	31
76	Emergence of a population of small, diploid hepatocytes during hepatocarcinogenesis. Carcinogenesis, 1984, 5, 1267-1275.	2.8	115
77	Amino acid control of protein degradation in normal and leukemic human lymphocytes. Experimental Cell Research, 1984, 155, 121-128.	2.6	14
78	Trapping of electro-injected [14C]sucrose by hepatocyte mitochondria: A mechanism for cellular autofiltration?. Biochemical and Biophysical Research Communications, 1984, 119, 955-961.	2.1	20
79	Structural and physical changes in lysosomes from isolated rat hepatocytes treated with methylamine. Biochimica Et Biophysica Acta - Molecular Cell Research, 1983, 763, 284-291.	4.1	27
80	Paradoxical stimulation by amino acids of the degradation of [35S]methionine-labelled, short-lived protein in isolated rat hepatocytes. Biochemical and Biophysical Research Communications, 1983, 117, 509-516.	2.1	5
81	[59] Inhibitors of lysosomal function. Methods in Enzymology, 1983, 96, 737-764.	1.0	329
82	6-Substituted purines: A novel class of inhibitors of endogenous protein degradation in isolated rat hepatocytes. Archives of Biochemistry and Biophysics, 1982, 217, 282-294.	3.0	33
83	Accumulation of autophagosomes after inhibition of hepatocytic protein degradation by vinblastine, leupeptin or a lysosomotropic amine. Experimental Cell Research, 1982, 137, 191-201.	2.6	165
84	Amino acid and energy requirements for rat hepatocytes in primary culture. In Vitro, 1982, 18, 43-54.	1.2	66
85	The relation between protein accumulation and cell cycle traverse of human NHIK 3025 cells in unbalanced growth. Journal of Cellular Physiology, 1982, 112, 19-26.	4.1	27
86	Effects of amino acid analogues on protein degradation in isolated rat hepatocytes. Biochimica Et Biophysica Acta - General Subjects, 1981, 676, 43-50.	2.4	21
87	Inhibition of autophagic vacuole formation and protein degradation by amino acids in isolated hepatocytes. Experimental Cell Research, 1981, 133, 431-436.	2.6	103
88	Leucine inhibition of autophagic vacuole formation in isolated rat hepatocytes. Experimental Cell Research, 1981, 134, 33-39.	2.6	32
89	Inhibition of autophagic sequestration and endogenous protein degradation in isolated rat hepatocytes by methylated adenosine derivatives. FEBS Letters, 1981, 134, 194-196.	2.8	22
90	Effect of serum step-down on protein metabolism and proliferation kinetics of NHIK 3025 cells. Journal of Cellular Physiology, 1981, 107, 47-57.	4.1	31

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91	Effects of antibiotics on protein synthesis and degradation in primary cultures of rat hepatocytes. In Vitro, 1981, 17, 71-76.	1.2	23
92	Role of Microtubuli in the Lysosomal Degradation of Endogenous and Exogenous Protein in Isolated Rat Hepatocytes. Hoppe-Seyler's Zeitschrift FÃ¼r Physiologische Chemie, 1981, 362, 549-556.	1.6	30
93	Protein metabolism and survival of rat hepatocytes in early culture. Experimental Cell Research, 1980, 130, 185-190.	2.6	24
94	Adsorption, simple binding and complex binding of rat hepatocytes to various in vitro substrata. Experimental Cell Research, 1980, 129, 239-249.	2.6	59
95	AMINO ACID CONTROL OF PROTEIN SYNTHESIS AND DEGRADATION IN ISOLATED RAT HEPATOCYTES*. Annals of the New York Academy of Sciences, 1980, 349, 1-17.	3.8	65
96	Differential effects of proteinase inhibitors and amines on the lysosomal and non-lysosomal pathways of protein degradation in isolated rat hepatocytes. Biochimica Et Biophysica Acta - General Subjects, 1980, 632, 73-86.	2.4	114
97	Amino acid inhibition of the autophagic/lysosomal pathway of protein degradation in isolated rat hepatocytes. Biochimica Et Biophysica Acta - General Subjects, 1980, 630, 103-118.	2.4	164
98	Subcellular Distribution of Proteolytically Generated Valine in Isolated Rat Hepatocytes. FEBS Journal, 1980, 107, 587-596.	0.2	20
99	Hepatocyte suspensions and cultures as tools in experimental carcinogenesis. Journal of Toxicology and Environmental Health - Part A: Current Issues, 1979, 5, 551-560.	2.3	108
100	Inhibition of the Lysosomal Pathway of Protein Degradation in Isolated Rat Hepatocytes by Ammonia, Methylamine, Chloroquine and Leupeptin. FEBS Journal, 1979, 95, 215-225.	0.2	446
101	Inhibition of cell spreading by lysosomotropic amines. FEBS Letters, 1979, 105, 345-348.	2.8	19
102	Protein synthesis and protein degradation through the cell cycle of human NHIK 3025 cells in vitro. Experimental Cell Research, 1979, 123, 63-72.	2.6	55
103	Valine Uptake and Incorporation into Protein in Isolated Rat Hepatocytes. Nature of the Precursor Pool for Protein Synthesis. FEBS Journal, 1978, 85, 15-25.	0.2	67
104	Attachment of rat hepatocytes in vitro to substrata of serum protein, collagen, or concanavalin A. Experimental Cell Research, 1978, 116, 199-206.	2.6	61
105	Effects of aminooxyacetate, alanine and other amino acids on protein synthesis in isolated rat hepatocytes. Nucleic Acids and Protein Synthesis, 1978, 520, 630-641.	1.7	52
106	Protein-catabolic state of isolated rat hepatocytes. Biochimica Et Biophysica Acta - General Subjects, 1977, 496, 182-191.	2.4	69
107	Chapter 4 Preparation of Isolated Rat Liver Cells. Methods in Cell Biology, 1976, 13, 29-83.	1.1	4,777
108	Incorporation of radioactive amino acids into protein in isolated rat hepatocytes. Nucleic Acids and Protein Synthesis, 1976, 442, 391-404.	1.7	117

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109	Protein degradation in isolated rat hepatocytes is inhibited by ammonia. Biochemical and Biophysical Research Communications, 1975, 66, 44-52.	2.1	104
110	CONTROL OF GLYCOGEN METABOLISM IN ISOLATED RAT LIVER CELLS BY GLUCOSE, INSULIN AND GLUCAGON. European Journal of Endocrinology, 1974, 77, S153-S158.	3.7	5
111	The use of metrizamide as a gradient medium for isopycnic separation of rat liver cells. FEBS Letters, 1974, 43, 252-256.	2.8	86
112	Autoregulation of glycolysis, respiration, gluconeogenesis and glycogen synthesis in isolated parenchymal rat liver cells under aerobic and anaerobic conditions. Biochimica Et Biophysica Acta - General Subjects, 1974, 338, 317-336.	2.4	133
113	Effects of anaerobiosis, glucose, insulin and glucagon on glycogen metabolism in isolated parenchymal rat liver cells. FEBS Letters, 1973, 36, 309-312.	2.8	27
114	Glycogen synthesis in isolated parenchymal rat liver cells. FEBS Letters, 1973, 30, 25-28.	2.8	45
115	Insulin and Amino-acid Regulation of Polysomes in Perfused, Diabetic Rat Liver. Nature: New Biology, 1971, 229, 244-245.	4.5	12
116	A Simple Perfusion Technique Applied to Glucocorticoid Regulation of Tryptophan Oxygenase Turnover and Bile Production in the Isolated Rat Liver. Hoppe-Seyler's Zeitschrift FÃ¼r Physiologische Chemie, 1969, 350, 308-316.	1.6	48
117	Tyrosine transaminase degradation in perfused liver after inhibition of protein synthesis by cycloheximide. Nucleic Acids and Protein Synthesis, 1969, 174, 398-400.	1.7	18