

# Federico Pietrocola

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

14,615  
citations

71061

41  
h-index

85498

71  
g-index

76  
all docs

76  
docs citations

76  
times ranked

26494  
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.	4.3	4,701
2	Autophagy in malignant transformation and cancer progression. <i>EMBO Journal</i> , 2015, 34, 856-880.	3.5	1,012
3	Acetyl Coenzyme A: A Central Metabolite and Second Messenger. <i>Cell Metabolism</i> , 2015, 21, 805-821.	7.2	963
4	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	15.2	801
5	Metabolic Control of Autophagy. <i>Cell</i> , 2014, 159, 1263-1276.	13.5	703
6	Spermidine in health and disease. <i>Science</i> , 2018, 359, .	6.0	616
7	Autophagy in major human diseases. <i>EMBO Journal</i> , 2021, 40, e108863.	3.5	615
8	Regulation of Autophagy by Cytosolic Acetyl-Coenzyme A. <i>Molecular Cell</i> , 2014, 53, 710-725.	4.5	412
9	Caloric Restriction Mimetics Enhance Anticancer Immunosurveillance. <i>Cancer Cell</i> , 2016, 30, 147-160.	7.7	410
10	Chemotherapy-induced antitumor immunity requires formyl peptide receptor 1. <i>Science</i> , 2015, 350, 972-978.	6.0	367
11	Nutrition, inflammation and cancer. <i>Nature Immunology</i> , 2017, 18, 843-850.	7.0	313
12	Spermidine induces autophagy by inhibiting the acetyltransferase EP300. <i>Cell Death and Differentiation</i> , 2015, 22, 509-516.	5.0	237
13	Identification and characterization of Cardiac Glycosides as senolytic compounds. <i>Nature Communications</i> , 2019, 10, 4731.	5.8	230
14	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	7.2	221
15	Regulation of autophagy by stress-responsive transcription factors. <i>Seminars in Cancer Biology</i> , 2013, 23, 310-322.	4.3	215
16	Caloric restriction mimetics: towards a molecular definition. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 727-740.	21.5	200
17	Phosphatidylethanolamine positively regulates autophagy and longevity. <i>Cell Death and Differentiation</i> , 2015, 22, 499-508.	5.0	184
18	Activation of Autophagy, Observed in Liver Tissues From Patients With Wilson Disease and From ATP7B-Deficient Animals, Protects Hepatocytes From Copper-Induced Apoptosis. <i>Gastroenterology</i> , 2019, 156, 1173-1189.e5.	0.6	150

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19	Unsaturated fatty acids induce non-εcanonical autophagy. <i>EMBO Journal</i> , 2015, 34, 1025-1041.	3.5	147
20	Contribution of RIP3 and MLKL to immunogenic cell death signaling in cancer chemotherapy. <i>OncImmunology</i> , 2016, 5, e1149673.	2.1	136
21	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. <i>Cell Reports</i> , 2012, 2, 257-269.	2.9	122
22	The flavonoid 4,4-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	5.8	100
23	Aspirin Recapitulates Features of Caloric Restriction. <i>Cell Reports</i> , 2018, 22, 2395-2407.	2.9	98
24	Pro-autophagic polyphenols reduce the acetylation of cytoplasmic proteins. <i>Cell Cycle</i> , 2012, 11, 3851-3860.	1.3	91
25	Caloric restriction mimetics: natural/physiological pharmacological autophagy inducers. <i>Autophagy</i> , 2014, 10, 1879-1882.	4.3	91
26	STAT3 Inhibition Enhances the Therapeutic Efficacy of Immunogenic Chemotherapy by Stimulating Type 1 Interferon Production by Cancer Cells. <i>Cancer Research</i> , 2015, 75, 3812-3822.	0.4	85
27	Metabolic vulnerability of cisplatin-resistant cancers. <i>EMBO Journal</i> , 2018, 37, .	3.5	84
28	Autophagy counteracts weight gain, lipotoxicity and pancreatic Î²-cell death upon hypercaloric pro-diabetic regimens. <i>Cell Death and Disease</i> , 2017, 8, e2970-e2970.	2.7	78
29	Metabolic effects of fasting on human and mouse blood in vivo. <i>Autophagy</i> , 2017, 13, 567-578.	4.3	75
30	INO80 Chromatin Remodeler Facilitates Release of RNA Polymerase II from Chromatin for Ubiquitin-Mediated Proteasomal Degradation. <i>Molecular Cell</i> , 2015, 60, 784-796.	4.5	64
31	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017, 13, 767-769.	4.3	63
32	Resveratrol and aspirin eliminate tetraploid cells for anticancer chemoprevention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3020-3025.	3.3	59
33	Lysosomal trapping of palbociclib and its functional implications. <i>Oncogene</i> , 2019, 38, 3886-3902.	2.6	57
34	A synergistic triad of chemotherapy, immune checkpoint inhibitors, and caloric restriction mimetics eradicates tumors in mice. <i>OncImmunology</i> , 2019, 8, e1657375.	2.1	56
35	Autophagy in natural and therapy-driven anticancer immunosurveillance. <i>Autophagy</i> , 2017, 13, 2163-2170.	4.3	52
36	Autophagy induction for the treatment of cancer. <i>Autophagy</i> , 2016, 12, 1962-1964.	4.3	50

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37	Coffee induces autophagy in vivo. <i>Cell Cycle</i> , 2014, 13, 1987-1994.	1.3	49
38	Impact of Pattern Recognition Receptors on the Prognosis of Breast Cancer Patients Undergoing Adjuvant Chemotherapy. <i>Cancer Research</i> , 2016, 76, 3122-3126.	0.4	47
39	Autophagy in the cancer-immunity dialogue. <i>Advanced Drug Delivery Reviews</i> , 2021, 169, 40-50.	6.6	46
40	Dimethyl $\alpha$ -ketoglutarate inhibits maladaptive autophagy in pressure overload-induced cardiomyopathy. <i>Autophagy</i> , 2014, 10, 930-932.	4.3	45
41	3,4-Dimethoxychalcone induces autophagy through activation of the transcription factors $\beta$ -catenin and TFE3 and TFE3. <i>EMBO Molecular Medicine</i> , 2019, 11, e10469.	3.3	45
42	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	4.3	42
43	Comprehensive autophagy evaluation in cardiac disease models. <i>Cardiovascular Research</i> , 2020, 116, 483-504.	1.8	41
44	Targeting Autophagy to Counteract Obesity-Associated Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 102.	2.2	32
45	Spermidine reduces cancer-related mortality in humans. <i>Autophagy</i> , 2019, 15, 362-365.	4.3	31
46	$\alpha$ -Ketoglutarate inhibits autophagy. <i>Aging</i> , 2019, 11, 3418-3431.	1.4	30
47	A TLR3 Ligand Reestablishes Chemotherapeutic Responses in the Context of FPR1 Deficiency. <i>Cancer Discovery</i> , 2021, 11, 408-423.	7.7	28
48	Metabolomic analyses reveal that anti-aging metabolites are depleted by palmitate but increased by oleate <i>in vivo</i> . <i>Cell Cycle</i> , 2015, 14, 2399-2407.	1.3	27
49	Aspirin is another caloric-restriction mimetic. <i>Autophagy</i> , 2018, 14, 1162-1163.	4.3	25
50	Systemic autophagy in the therapeutic response to anthracycline-based chemotherapy. <i>Oncolmmunology</i> , 2019, 8, e1498285.	2.1	25
51	Chemical activation of SAT1 corrects diet-induced metabolic syndrome. <i>Cell Death and Differentiation</i> , 2020, 27, 2904-2920.	5.0	22
52	Inhibition of formyl peptide receptor 1 reduces the efficacy of anticancer chemotherapy against carcinogen-induced breast cancer. <i>Oncolmmunology</i> , 2016, 5, e1139275.	2.1	21
53	High-Throughput Quantification of GFP-LC3+ Dots by Automated Fluorescence Microscopy. <i>Methods in Enzymology</i> , 2017, 587, 71-86.	0.4	20
54	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	4.3	18

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55	Fasting improves anticancer immunosurveillance via autophagy induction in malignant cells. <i>Cell Cycle</i> , 2016, 15, 3327-3328.	1.3	17
56	Metabolic interactions between cysteamine and epigallocatechin gallate. <i>Cell Cycle</i> , 2017, 16, 271-279.	1.3	17
57	Autophagy-mediated metabolic effects of aspirin. <i>Cell Death Discovery</i> , 2020, 6, 129.	2.0	17
58	Improvement of immunogenic chemotherapy by STAT3 inhibition. <i>Oncolmmunology</i> , 2016, 5, e1078061.	2.1	15
59	Metformin: a metabolic modulator. <i>Oncotarget</i> , 2017, 8, 9017-9020.	0.8	13
60	Natural killer cells act as an extrinsic barrier for <i>in vivo</i> reprogramming. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	12
61	Aspirin induces autophagy <i>via</i> inhibition of the acetyltransferase EP300. <i>Oncotarget</i> , 2018, 9, 24574-24575.	0.8	11
62	Caloric restriction promotes the stemness and antitumor activity of T lymphocytes. <i>Oncolmmunology</i> , 2019, 8, e1616153.	2.1	9
63	4,4'-Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. <i>Autophagy</i> , 2019, 15, 1662-1664.	4.3	8
64	Triethylenetetramine (trientine): a caloric restriction mimetic with a new mode of action. <i>Autophagy</i> , 2020, 16, 1534-1536.	4.3	8
65	Assessment of Glycolytic Flux and Mitochondrial Respiration in the Course of Autophagic Responses. <i>Methods in Enzymology</i> , 2017, 588, 155-170.	0.4	6
66	Targeting GATA transcription factors – a novel strategy for anti-aging interventions?. <i>Microbial Cell</i> , 2019, 6, 212-216.	1.4	6
67	Extending the mode of action of triethylenetetramine (trientine): Autophagy besides copper chelation. <i>Journal of Hepatology</i> , 2020, 73, 970-972.	1.8	6
68	Molecular Regulation of Circadian Rhythms by Polyamines. <i>Cell Metabolism</i> , 2015, 22, 757-758.	7.2	4
69	Ethanolamine: A novel anti-aging agent. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1019023.	0.3	4
70	Autophagy Alteration in ApoA-I Related Systemic Amyloidosis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3498.	1.8	3
71	Quantification of intracellular ACBP/DBI levels. <i>Methods in Cell Biology</i> , 2021, 165, 111-122.	0.5	2
72	The scent of death: a metabolic goodbye signal emitted by dying cells. <i>Cell Death and Differentiation</i> , 2020, 27, 2030-2032.	5.0	1

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73	Prognostic Impact of Vitamin B6 Metabolism in Lung Cancer. Cell Reports, 2012, 2, 1472.	2.9	0
74	Autophagy assessment in circulating leukocytes. Methods in Cell Biology, 2020, 164, 39-46.	0.5	0
75	Metabolic aspects of canonical versus noncanonical autophagy. , 2021, , 133-165.		0