Massimo Donadelli

List of Publications by Citations

72 papers	6,293 citations	34 h-index	79 g-index
79 ext. papers	7,302 ext. citations	6.4 avg, IF	5.08 L-index

#	Paper	IF	Citations
72	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
71	Synergistic inhibition of pancreatic adenocarcinoma cell growth by trichostatin A and gemcitabine. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2007**, 1773, 1095-106	4.9	117
70	UCP2, a mitochondrial protein regulated at multiple levels. *Cellular and Molecular Life Sciences*, **2014**, 71, 1171-90	10.3	108
69	Hyaluronic acid-coated liposomes for active targeting of gemcitabine. *European Journal of Pharmaceutics and Biopharmaceutics*, **2013**, 85, 373-80	5.7	107
68	Mutant p53 stimulates chemoresistance of pancreatic adenocarcinoma cells to gemcitabine. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 89-100	4.9	84
67	Trichostatin A, an inhibitor of histone deacetylases, strongly suppresses growth of pancreatic adenocarcinoma cells. *Molecular Carcinogenesis*, **2003**, 38, 59-69	5	80
66	Mutant p53 proteins counteract autophagic mechanism sensitizing cancer cells to mTOR inhibition. *Molecular Oncology*, **2016**, 10, 1008-29	7.9	79
65	Growth delay of human pancreatic cancer cells by methylase inhibitor 5-aza-2'-deoxycytidine treatment is associated with activation of the interferon signalling pathway. *Oncogene*, **2005**, 24, 199-211	9.2	74
64	UCP2 inhibition triggers ROS-dependent nuclear translocation of GAPDH and autophagic cell death in pancreatic adenocarcinoma cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 672-9	4.9	72
63	Role of mitochondrial uncoupling protein 2 in cancer cell resistance to gemcitabine. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2012**, 1823, 1856-63	4.9	65
62	Trichostatin A enhances the response of chemotherapeutic agents in inhibiting pancreatic cancer cell proliferation. *Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin*, **2006**, 448, 797-804	5.1	64
61	Gene expression profiling after treatment with the histone deacetylase inhibitor trichostatin A reveals altered expression of both pro- and anti-apoptotic genes in pancreatic adenocarcinoma cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2004**, 1693, 167-76	4.9	59
60	Onconase induces autophagy sensitizing pancreatic cancer cells to gemcitabine and activates Akt/mTOR pathway in a ROS-dependent manner. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2015**, 1853, 549-60	4.9	56
59	Targeting gemcitabine containing liposomes to CD44 expressing pancreatic adenocarcinoma cells causes an increase in the antitumoral activity. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1396-404	3.8	54
58	Antioxidant Mechanisms and ROS-Related MicroRNAs in Cancer Stem Cells. *Oxidative Medicine and Cellular Longevity*, **2015**, 2015, 425708	6.7	52
57	Regulation of succinate dehydrogenase and role of succinate in cancer. *Seminars in Cell and Developmental Biology*, **2020**, 98, 4-14	7.5	52
56	Molecular interplay between mutant p53 proteins and autophagy in cancer cells. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2017**, 1867, 19-28	11.2	51

55	MeCP2/H3meK9 are involved in IL-6 gene silencing in pancreatic adenocarcinoma cell lines. *Nucleic Acids Research*, **2009**, 37, 6681-90	20.1	50
54	Proteomic analysis of pancreatic ductal carcinoma cells treated with 5-aza-2Ud-eoxycytidine. *Electrophoresis*, **2003**, 24, 4291-303	3.6	49
53	Expression of the antiapoptotic protein BAG3 is a feature of pancreatic adenocarcinoma and its overexpression is associated with poorer survival. *American Journal of Pathology*, **2012**, 181, 1524-9	5.8	48
52	Autophagy induced by p53-reactivating molecules protects pancreatic cancer cells from apoptosis. *Apoptosis: an International Journal on Programmed Cell Death*, **2013**, 18, 337-46	5.4	47
51	Mutant p53-Associated Molecular Mechanisms of ROS Regulation in Cancer Cells. *Biomolecules*, **2020**, 10,	5.9	46
50	Bone marrow stromal cells and the upregulation of interleukin-8 production in human T-cell acute lymphoblastic leukemia through the CXCL12/CXCR4 axis and the NF-kappaB and JNK/AP-1 pathways. *Haematologica*, **2008**, 93, 524-32	6.6	43
49	Proteomics in pancreatic cancer research. *Proteomics*, **2011**, 11, 816-28	4.8	42
48	Regulation of miR-23b expression and its dual role on ROS production and tumour development. *Cancer Letters*, **2014**, 349, 107-13	9.9	41
47	UCP2 inhibition induces ROS/Akt/mTOR axis: Role of GAPDH nuclear translocation in genipin/everolimus anticancer synergism. *Free Radical Biology and Medicine*, **2017**, 113, 176-189	7.8	40
46	Mutant p53 proteins alter cancer cell secretome and tumour microenvironment: Involvement in cancer invasion and metastasis. *Cancer Letters*, **2016**, 376, 303-9	9.9	40
45	Proteomic profiling of pancreatic ductal carcinoma cell lines treated with trichostatin-A. *Electrophoresis*, **2003**, 24, 1871-8	3.6	38
44	Regulation of Autophagy by Nuclear GAPDH and Its Aggregates in Cancer and Neurodegenerative Disorders. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	36
43	The antioxidant uncoupling protein 2 stimulates hnRNPA2/B1, GLUT1 and PKM2 expression and sensitizes pancreas cancer cells to glycolysis inhibition. *Free Radical Biology and Medicine*, **2016**, 101, 305-316	7.8	36
42	Mutant p53 and mTOR/PKM2 regulation in cancer cells. *IUBMB Life*, **2016**, 68, 722-6	4.7	35
41	The metabolic landscape of cancer stem cells. *IUBMB Life*, **2015**, 67, 687-93	4.7	35
40	Double domain swapping in bovine seminal RNase: formation of distinct N- and C-swapped tetramers and multimers with increasing biological activities. *PLoS ONE*, **2012**, 7, e46804	3.7	34
39	Synergistic effect of trichostatin A and 5-aza-2Ud-eoxycytidine on growth inhibition of pancreatic endocrine tumour cell lines: a proteomic study. *Proteomics*, **2009**, 9, 1952-66	4.8	34
38	Sestrins at the Interface of ROS Control and Autophagy Regulation in Health and Disease. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1283075	6.7	32

37	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. *Proteomics*, **2007**, 7, 1644-53	4.8	31
36	Mutant p53 prevents GAPDH nuclear translocation in pancreatic cancer cells favoring glycolysis and 2-deoxyglucose sensitivity. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2018**, 1865, 1914-1923	4.9	31
35	Mitochondrial uncoupling protein 2 and pancreatic cancer: a new potential target therapy. *World Journal of Gastroenterology*, **2015**, 21, 3232-8	5.6	28
34	Increased stability of P21(WAF1/CIP1) mRNA is required for ROS/ERK-dependent pancreatic adenocarcinoma cell growth inhibition by pyrrolidine dithiocarbamate. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2006**, 1763, 917-26	4.9	28
33	Hypoxia Dictates Metabolic Rewiring of Tumors: Implications for Chemoresistance. *Cells*, **2020**, 9,	7.9	28
32	Sestrins as a Therapeutic Bridge between ROS and Autophagy in Cancer. *Cancers*, **2019**, 11,	6.6	23
31	Trichostatin A alters cytoskeleton and energy metabolism of pancreatic adenocarcinoma cells: An in depth proteomic study. *Journal of Cellular Biochemistry*, **2018**, 119, 2696-2707	4.7	23
30	Gemcitabine response in pancreatic adenocarcinoma cells is synergistically enhanced by dithiocarbamate derivatives. *Free Radical Biology and Medicine*, **2011**, 50, 926-33	7.8	23
29	Proteomic analysis of pancreatic ductal carcinoma cells after combined treatment with gemcitabine and trichostatin A. *Journal of Proteome Research*, **2005**, 4, 1909-16	5.6	23
28	Mutant p53 blocks SESN1/AMPK/PGC-1α/UCP2 axis increasing mitochondrial O2•- production in cancer cells. *British Journal of Cancer*, **2018**, 119, 994-1008	8.7	22
27	miR-125b Upregulates miR-34a and Sequentially Activates Stress Adaption and Cell Death Mechanisms in Multiple Myeloma. *Molecular Therapy - Nucleic Acids*, **2019**, 16, 391-406	10.7	21
26	Increase of RNase a N-terminus polarity or C-terminus apolarity changes the two domainsU propensity to swap and form the two dimeric conformers of the protein. *Biochemistry*, **2006**, 45, 10795-806	3.2	21
25	Increasing intratumor C/EBP-βLIP and nitric oxide levels overcome resistance to doxorubicin in triple negative breast cancer. *Journal of Experimental and Clinical Cancer Research*, **2018**, 37, 286	12.8	21
24	Autocrine mechanisms of cancer chemoresistance. *Seminars in Cell and Developmental Biology*, **2018**, 78, 3-12	7.5	17
23	Oncometabolites in cancer aggressiveness and tumour repopulation. *Biological Reviews*, **2019**, 94, 1530-1546	13.5	16
22	Hypoxia, endoplasmic reticulum stress and chemoresistance: dangerous liaisons. *Journal of Experimental and Clinical Cancer Research*, **2021**, 40, 28	12.8	15
21	Onconase dimerization through 3D domain swapping: structural investigations and increase in the apoptotic effect in cancer cells. *Biochemical Journal*, **2017**, 474, 3767-3781	3.8	13
20	ABCA1/ABCB1 Ratio Determines Chemo- and Immune-Sensitivity in Human Osteosarcoma. *Cells*, **2020**, 9,	7.9	13

19	A comparison study on RNase A oligomerization induced by cisplatin, carboplatin and oxaliplatin. *Journal of Inorganic Biochemistry*, **2017**, 173, 105-112	4.2	12
18	Cell communication and signaling: how to turn bad language into positive one. *Journal of Experimental and Clinical Cancer Research*, **2019**, 38, 128	12.8	12
17	Bovine seminal ribonuclease triggers Beclin1-mediated autophagic cell death in pancreatic cancer cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2014**, 1843, 976-84	4.9	12
16	Mutant p53 induces SIRT3/MnSOD axis to moderate ROS production in melanoma cells. *Archives of Biochemistry and Biophysics*, **2020**, 679, 108219	4.1	12
15	Comparative proteomic and phosphoproteomic profiling of pancreatic adenocarcinoma cells treated with CB1 or CB2 agonists. *Electrophoresis*, **2013**, 34, 1359-68	3.6	11
14	Cytotoxicity of polyspermine-ribonuclease A and polyspermine-dimeric ribonuclease A. *Bioconjugate Chemistry*, **2007**, 18, 1946-55	6.3	8
13	Browsing the oldest antioxidant enzyme: catalase and its multiple regulation in cancer. *Free Radical Biology and Medicine*, **2021**, 172, 264-272	7.8	8
12	Low expression confers redox hypersensitivity and identifies an indolent clinical behavior in CLL. *Blood*, **2018**, 131, 1942-1954	2.2	7
11	Identification of a candidate alternative promoter region of the human Bcl2L11 (Bim) gene. *BMC Molecular Biology*, **2008**, 9, 56	4.5	6
10	Biopsychosocial model of resilience in young adults with multiple sclerosis (BPS-ARMS): an observational study protocol exploring psychological reactions early after diagnosis. *BMJ Open*, **2019**, 9, e030469	3	6
9	MRP5 nitration by NO-releasing gemcitabine encapsulated in liposomes confers sensitivity in chemoresistant pancreatic adenocarcinoma cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2020**, 1867, 118824	4.9	5
8	The Mutant p53-Driven Secretome Has Oncogenic Functions in Pancreatic Ductal Adenocarcinoma Cells. *Biomolecules*, **2020**, 10,	5.9	4
7	The antioxidant mitochondrial protein UCP2 promotes cancer development connecting the Warburg effect and autophagy. *Translational Medicine Reports*, **2017**, 1,	0	4
6	Gut microbiota modulates seizure susceptibility. *Epilepsia*, **2021**, 62, e153-e157	6.4	4
5	Redox Sensitive Cysteine Residues as Crucial Regulators of Wild-Type and Mutant p53 Isoforms. *Cells*, **2021**, 10,	7.9	3
4	Extracellular Matrix Composition Modulates the Responsiveness of Differentiated and Stem Pancreatic Cancer Cells to Lipophilic Derivate of Gemcitabine. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	3
3	Effects of CD20 antibodies and kinase inhibitors on B-cell receptor signalling and survival of chronic lymphocytic leukaemia cells. *British Journal of Haematology*, **2021**, 192, 333-342	4.5	2
2	Tumor Suppressor Role of Wild-Type P53-Dependent Secretome and Its Proteomic Identification in PDAC.. *Biomolecules*, **2022**, 12,	5.9	1

1	Prolonged exposure to simulated microgravity promotes stemness impairing morphological, metabolic and migratory profile of pancreatic cancer cells: a comprehensive proteomic, lipidomic and transcriptomic analysis.. *Cellular and Molecular Life Sciences*, **2022**, 79, 226	10.3	1