

Massimo Donadelli

List of Publications by Year in Descending Order

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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.

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	Tumor Suppressor Role of Wild-Type P53-Dependent Secretome and Its Proteomic Identification in PDAC.. <i>Biomolecules</i> , 2022 , 12,	5.9	1
71	Prolonged exposure to simulated microgravity promotes stemness impairing morphological, metabolic and migratory profile of pancreatic cancer cells: a comprehensive proteomic, lipidomic and transcriptomic analysis.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 226	10.3	1
70	Redox Sensitive Cysteine Residues as Crucial Regulators of Wild-Type and Mutant p53 Isoforms. <i>Cells</i> , 2021 , 10,	7.9	3
69	Effects of CD20 antibodies and kinase inhibitors on B-cell receptor signalling and survival of chronic lymphocytic leukaemia cells. <i>British Journal of Haematology</i> , 2021 , 192, 333-342	4.5	2
68	Hypoxia, endoplasmic reticulum stress and chemoresistance: dangerous liaisons. <i>Journal of Experimental and Clinical Cancer Research</i> , 2021 , 40, 28	12.8	15
67	Gut microbiota modulates seizure susceptibility. <i>Epilepsia</i> , 2021 , 62, e153-e157	6.4	4
66	Browsing the oldest antioxidant enzyme: catalase and its multiple regulation in cancer. <i>Free Radical Biology and Medicine</i> , 2021 , 172, 264-272	7.8	8
65	The Mutant p53-Driven Secretome Has Oncogenic Functions in Pancreatic Ductal Adenocarcinoma Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	4
64	ABCA1/ABCB1 Ratio Determines Chemo- and Immune-Sensitivity in Human Osteosarcoma. <i>Cells</i> , 2020 , 9,	7.9	13
63	Mutant p53-Associated Molecular Mechanisms of ROS Regulation in Cancer Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	46
62	Extracellular Matrix Composition Modulates the Responsiveness of Differentiated and Stem Pancreatic Cancer Cells to Lipophilic Derivate of Gemcitabine. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6.3	3
61	Mutant p53 induces SIRT3/MnSOD axis to moderate ROS production in melanoma cells. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 679, 108219	4.1	12
60	Hypoxia Dictates Metabolic Rewiring of Tumors: Implications for Chemoresistance. <i>Cells</i> , 2020 , 9,	7.9	28
59	MRP5 nitration by NO-releasing gemcitabine encapsulated in liposomes confers sensitivity in chemoresistant pancreatic adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020 , 1867, 118824	4.9	5
58	Regulation of succinate dehydrogenase and role of succinate in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 98, 4-14	7.5	52
57	Sestrins as a Therapeutic Bridge between ROS and Autophagy in Cancer. <i>Cancers</i> , 2019 , 11,	6.6	23
56	Sestrins at the Interface of ROS Control and Autophagy Regulation in Health and Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 1283075	6.7	32

55	miR-125b Upregulates miR-34a and Sequentially Activates Stress Adaption and Cell Death Mechanisms in Multiple Myeloma. <i>Molecular Therapy - Nucleic Acids</i> , 2019 , 16, 391-406	10.7	21
54	Regulation of Autophagy by Nuclear GAPDH and Its Aggregates in Cancer and Neurodegenerative Disorders. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	36
53	Cell communication and signaling: how to turn bad language into positive one. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 128	12.8	12
52	Oncometabolites in cancer aggressiveness and tumour repopulation. <i>Biological Reviews</i> , 2019 , 94, 1530-1546	15.46	16
51	Biopsychosocial model of resilience in young adults with multiple sclerosis (BPS-ARMS): an observational study protocol exploring psychological reactions early after diagnosis. <i>BMJ Open</i> , 2019 , 9, e030469	3	6
50	Low expression confers redox hypersensitivity and identifies an indolent clinical behavior in CLL. <i>Blood</i> , 2018 , 131, 1942-1954	2.2	7
49	Autocrine mechanisms of cancer chemoresistance. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 78, 3-12	7.5	17
48	Trichostatin A alters cytoskeleton and energy metabolism of pancreatic adenocarcinoma cells: An in depth proteomic study. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 2696-2707	4.7	23
47	Increasing intratumor C/EBP- β and nitric oxide levels overcome resistance to doxorubicin in triple negative breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018 , 37, 286	12.8	21
46	Mutant p53 prevents GAPDH nuclear translocation in pancreatic cancer cells favoring glycolysis and 2-deoxyglucose sensitivity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 1914-1923	4.9	31
45	Mutant p53 blocks SESN1/AMPK/PGC-1 α /UCP2 axis increasing mitochondrial O $_2$ production in cancer cells. <i>British Journal of Cancer</i> , 2018 , 119, 994-1008	8.7	22
44	A comparison study on RNase A oligomerization induced by cisplatin, carboplatin and oxaliplatin. <i>Journal of Inorganic Biochemistry</i> , 2017 , 173, 105-112	4.2	12
43	UCP2 inhibition induces ROS/Akt/mTOR axis: Role of GAPDH nuclear translocation in genipin/everolimus anticancer synergism. <i>Free Radical Biology and Medicine</i> , 2017 , 113, 176-189	7.8	40
42	Onconase dimerization through 3D domain swapping: structural investigations and increase in the apoptotic effect in cancer cells. <i>Biochemical Journal</i> , 2017 , 474, 3767-3781	3.8	13
41	The antioxidant mitochondrial protein UCP2 promotes cancer development connecting the Warburg effect and autophagy. <i>Translational Medicine Reports</i> , 2017 , 1,	0	4
40	Molecular interplay between mutant p53 proteins and autophagy in cancer cells. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1867, 19-28	11.2	51
39	Mutant p53 and mTOR/PKM2 regulation in cancer cells. <i>IUBMB Life</i> , 2016 , 68, 722-6	4.7	35
38	The antioxidant uncoupling protein 2 stimulates hnRNPA2/B1, GLUT1 and PKM2 expression and sensitizes pancreas cancer cells to glycolysis inhibition. <i>Free Radical Biology and Medicine</i> , 2016 , 101, 305-316	7.8	36

37	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
36	Mutant p53 proteins alter cancer cell secretome and tumour microenvironment: Involvement in cancer invasion and metastasis. <i>Cancer Letters</i> , 2016 , 376, 303-9	9.9	40
35	Mutant p53 proteins counteract autophagic mechanism sensitizing cancer cells to mTOR inhibition. <i>Molecular Oncology</i> , 2016 , 10, 1008-29	7.9	79
34	Mutant p53 stimulates chemoresistance of pancreatic adenocarcinoma cells to gemcitabine. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 89-100	4.9	84
33	The metabolic landscape of cancer stem cells. <i>IUBMB Life</i> , 2015 , 67, 687-93	4.7	35
32	Antioxidant Mechanisms and ROS-Related MicroRNAs in Cancer Stem Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2015 , 2015, 425708	6.7	52
31	Mitochondrial uncoupling protein 2 and pancreatic cancer: a new potential target therapy. <i>World Journal of Gastroenterology</i> , 2015 , 21, 3232-8	5.6	28
30	Onconase induces autophagy sensitizing pancreatic cancer cells to gemcitabine and activates Akt/mTOR pathway in a ROS-dependent manner. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 549-60	4.9	56
29	Regulation of miR-23b expression and its dual role on ROS production and tumour development. <i>Cancer Letters</i> , 2014 , 349, 107-13	9.9	41
28	Bovine seminal ribonuclease triggers Beclin1-mediated autophagic cell death in pancreatic cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 976-84	4.9	12
27	UCP2, a mitochondrial protein regulated at multiple levels. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 1171-90	10.3	108
26	Hyaluronic acid-coated liposomes for active targeting of gemcitabine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013 , 85, 373-80	5.7	107
25	UCP2 inhibition triggers ROS-dependent nuclear translocation of GAPDH and autophagic cell death in pancreatic adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 672-9	4.9	72
24	Comparative proteomic and phosphoproteomic profiling of pancreatic adenocarcinoma cells treated with CB1 or CB2 agonists. <i>Electrophoresis</i> , 2013 , 34, 1359-68	3.6	11
23	Autophagy induced by p53-reactivating molecules protects pancreatic cancer cells from apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013 , 18, 337-46	5.4	47
22	Targeting gemcitabine containing liposomes to CD44 expressing pancreatic adenocarcinoma cells causes an increase in the antitumoral activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013 , 1828, 1396-404	3.8	54
21	Expression of the antiapoptotic protein BAG3 is a feature of pancreatic adenocarcinoma and its overexpression is associated with poorer survival. <i>American Journal of Pathology</i> , 2012 , 181, 1524-9	5.8	48
20	Role of mitochondrial uncoupling protein 2 in cancer cell resistance to gemcitabine. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1856-63	4.9	65

19	Double domain swapping in bovine seminal RNase: formation of distinct N- and C-swapped tetramers and multimers with increasing biological activities. <i>PLoS ONE</i> , 2012 , 7, e46804	3.7	34
18	Gemcitabine response in pancreatic adenocarcinoma cells is synergistically enhanced by dithiocarbamate derivatives. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 926-33	7.8	23
17	Proteomics in pancreatic cancer research. <i>Proteomics</i> , 2011 , 11, 816-28	4.8	42
16	MeCP2/H3meK9 are involved in IL-6 gene silencing in pancreatic adenocarcinoma cell lines. <i>Nucleic Acids Research</i> , 2009 , 37, 6681-90	20.1	50
15	Synergistic effect of trichostatin A and 5-aza-2'deoxyctidine on growth inhibition of pancreatic endocrine tumour cell lines: a proteomic study. <i>Proteomics</i> , 2009 , 9, 1952-66	4.8	34
14	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. <i>Haematologica</i> , 2008 , 93, 524-32	6.6	43
13	Identification of a candidate alternative promoter region of the human Bcl2L11 (Bim) gene. <i>BMC Molecular Biology</i> , 2008 , 9, 56	4.5	6
12	Cytotoxicity of polyspermine-ribonuclease A and polyspermine-dimeric ribonuclease A. <i>Bioconjugate Chemistry</i> , 2007 , 18, 1946-55	6.3	8
11	Proteomic analysis of pancreatic endocrine tumor cell lines treated with the histone deacetylase inhibitor trichostatin A. <i>Proteomics</i> , 2007 , 7, 1644-53	4.8	31
10	Synergistic inhibition of pancreatic adenocarcinoma cell growth by trichostatin A and gemcitabine. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 1095-106	4.9	117
9	Increased stability of P21(WAF1/CIP1) mRNA is required for ROS/ERK-dependent pancreatic adenocarcinoma cell growth inhibition by pyrrolidine dithiocarbamate. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 917-26	4.9	28
8	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. <i>Biochemistry</i> , 2006 , 45, 10795-806	3.2	21
7	Trichostatin A enhances the response of chemotherapeutic agents in inhibiting pancreatic cancer cell proliferation. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2006 , 448, 797-804	5.1	64
6	Proteomic analysis of pancreatic ductal carcinoma cells after combined treatment with gemcitabine and trichostatin A. <i>Journal of Proteome Research</i> , 2005 , 4, 1909-16	5.6	23
5	Growth delay of human pancreatic cancer cells by methylase inhibitor 5-aza-2'deoxyctidine treatment is associated with activation of the interferon signalling pathway. <i>Oncogene</i> , 2005 , 24, 199-211	9.2	74
4	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. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2004 , 1693, 167-76	4.9	59
3	Proteomic profiling of pancreatic ductal carcinoma cell lines treated with trichostatin-A. <i>Electrophoresis</i> , 2003 , 24, 1871-8	3.6	38
2	Proteomic analysis of pancreatic ductal carcinoma cells treated with 5-aza-2'deoxyctidine. <i>Electrophoresis</i> , 2003 , 24, 4291-303	3.6	49

- 1 Trichostatin A, an inhibitor of histone deacetylases, strongly suppresses growth of pancreatic adenocarcinoma cells. *Molecular Carcinogenesis*, **2003**, 38, 59-69

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