

Ilio Vitale

List of Publications by Citations

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Version: 2024-04-20

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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.

122
papers

17,654
citations

49
h-index

131
g-index

131
ext. papers

21,172
ext. citations

9.3
avg, IF

6.26
L-index

#	Paper	IF	Citations
122	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
121	Molecular definitions of cell death subroutines: recommendations of the Nomenclature Committee on Cell Death 2012. <i>Cell Death and Differentiation</i> , 2012 , 19, 107-20	12.7	1843
120	Molecular mechanisms of cisplatin resistance. <i>Oncogene</i> , 2012 , 31, 1869-83	9.2	1567
119	Regulation of autophagy by cytoplasmic p53. <i>Nature Cell Biology</i> , 2008 , 10, 676-87	23.4	899
118	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73	12.7	643
117	Cancer cell-autonomous contribution of type I interferon signaling to the efficacy of chemotherapy. <i>Nature Medicine</i> , 2014 , 20, 1301-9	50.5	596
116	Cell death modalities: classification and pathophysiological implications. <i>Cell Death and Differentiation</i> , 2007 , 14, 1237-43	12.7	581
115	Mitotic catastrophe: a mechanism for avoiding genomic instability. <i>Nature Reviews Molecular Cell Biology</i> , 2011 , 12, 385-92	48.7	556
114	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , 2009 , 16, 1093-107	12.7	533
113	Consensus guidelines for the detection of immunogenic cell death. <i>OncoImmunology</i> , 2014 , 3, e955691	7.2	524
112	Systems biology of cisplatin resistance: past, present and future. <i>Cell Death and Disease</i> , 2014 , 5, e1257	9.8	476
111	Caloric restriction and resveratrol promote longevity through the Sirtuin-1-dependent induction of autophagy. <i>Cell Death and Disease</i> , 2010 , 1, e10	9.8	441
110	Macrophages and Metabolism in the Tumor Microenvironment. <i>Cell Metabolism</i> , 2019 , 30, 36-50	24.6	374
109	An immunosurveillance mechanism controls cancer cell ploidy. <i>Science</i> , 2012 , 337, 1678-84	33.3	299
108	Regulation of autophagy by the inositol trisphosphate receptor. <i>Cell Death and Differentiation</i> , 2007 , 14, 1029-39	12.7	274
107	Chemotherapy-induced antitumor immunity requires formyl peptide receptor 1. <i>Science</i> , 2015 , 350, 972-83	33.3	267
106	The co-translocation of ERp57 and calreticulin determines the immunogenicity of cell death. <i>Cell Death and Differentiation</i> , 2008 , 15, 1499-509	12.7	253

105	The IKK complex contributes to the induction of autophagy. <i>EMBO Journal</i> , 2010 , 29, 619-31	13	248
104	miR-181a and miR-630 regulate cisplatin-induced cancer cell death. <i>Cancer Research</i> , 2010 , 70, 1793-803	10.1	243
103	The inositol 1,4,5-trisphosphate receptor regulates autophagy through its interaction with Beclin 1. <i>Cell Death and Differentiation</i> , 2009 , 16, 1006-17	12.7	235
102	Consensus guidelines for the definition, detection and interpretation of immunogenic cell death 2020 , 8,		233
101	Mitochondrial gateways to cancer. <i>Molecular Aspects of Medicine</i> , 2010 , 31, 1-20	16.7	210
100	DNA Damage in Stem Cells. <i>Molecular Cell</i> , 2017 , 66, 306-319	17.6	172
99	Apoptosis regulation in tetraploid cancer cells. <i>EMBO Journal</i> , 2006 , 25, 2584-95	13	153
98	Methods for assessing autophagy and autophagic cell death. <i>Methods in Molecular Biology</i> , 2008 , 445, 29-76	1.4	144
97	Autophagic removal of micronuclei. <i>Cell Cycle</i> , 2012 , 11, 170-6	4.7	130
96	Cisplatin resistance associated with PARP hyperactivation. <i>Cancer Research</i> , 2013 , 73, 2271-80	10.1	123
95	Chloroquine and hydroxychloroquine for cancer therapy. <i>Molecular and Cellular Oncology</i> , 2014 , 1, e299112	11.2	120
94	Multipolar mitosis of tetraploid cells: inhibition by p53 and dependency on Mos. <i>EMBO Journal</i> , 2010 , 29, 1272-84	13	119
93	The life span-prolonging effect of sirtuin-1 is mediated by autophagy. <i>Autophagy</i> , 2010 , 6, 186-8	10.2	113
92	Cell cycle-dependent induction of autophagy, mitophagy and reticulophagy. <i>Cell Cycle</i> , 2007 , 6, 2263-7	4.7	106
91	Illicit survival of cancer cells during polyploidization and depolyploidization. <i>Cell Death and Differentiation</i> , 2011 , 18, 1403-13	12.7	102
90	Immunological impact of cell death signaling driven by radiation on the tumor microenvironment. <i>Nature Immunology</i> , 2020 , 21, 120-134	19.1	101
89	Prognostic impact of vitamin B6 metabolism in lung cancer. <i>Cell Reports</i> , 2012 , 2, 257-69	10.6	100
88	Calcium signaling and cell cycle: Progression or death. <i>Cell Calcium</i> , 2018 , 70, 3-15	4	99

87	Improved cellular pharmacokinetics and pharmacodynamics underlie the wide anticancer activity of sagopilone. <i>Cancer Research</i> , 2008 , 68, 5301-8	10.1	96
86	Trial Watch: Targeting ATM-CHK2 and ATR-CHK1 pathways for anticancer therapy. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e1012976	1.2	95
85	Trial watch: Dendritic cell-based interventions for cancer therapy. <i>Oncolmmunology</i> , 2013 , 2, e25771	7.2	87
84	Intratumoral heterogeneity in cancer progression and response to immunotherapy. <i>Nature Medicine</i> , 2021 , 27, 212-224	50.5	84
83	Predictive biomarkers for cancer therapy with PARP inhibitors. <i>Oncogene</i> , 2014 , 33, 3894-907	9.2	83
82	Effects of vitamin B6 metabolism on oncogenesis, tumor progression and therapeutic responses. <i>Oncogene</i> , 2013 , 32, 4995-5004	9.2	80
81	Trial Watch: Anticancer radioimmunotherapy. <i>Oncolmmunology</i> , 2013 , 2, e25595	7.2	75
80	Oncosuppressive functions of autophagy. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 2251-69	8.4	74
79	Characterization of novel MPS1 inhibitors with preclinical anticancer activity. <i>Cell Death and Differentiation</i> , 2013 , 20, 1532-45	12.7	72
78	Type-I-interferons in infection and cancer: Unanticipated dynamics with therapeutic implications. <i>Oncolmmunology</i> , 2017 , 6, e1314424	7.2	69
77	Mitochondrial liaisons of p53. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 1691-714	8.4	62
76	Inhibition of Chk1 kills tetraploid tumor cells through a p53-dependent pathway. <i>PLoS ONE</i> , 2007 , 2, e1337	3.7	59
75	The Hippo transducers TAZ and YAP in breast cancer: oncogenic activities and clinical implications. <i>Expert Reviews in Molecular Medicine</i> , 2015 , 17, e14	6.7	55
74	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, 3020-5	11.5	47
73	Viral strategies for the evasion of immunogenic cell death. <i>Journal of Internal Medicine</i> , 2010 , 267, 526-420.8	20.8	47
72	Synergistic proapoptotic effects of the two tyrosine kinase inhibitors pazopanib and lapatinib on multiple carcinoma cell lines. <i>Oncogene</i> , 2009 , 28, 4249-60	9.2	47
71	Combretastatin CA-4 and combretastatin derivative induce mitotic catastrophe dependent on spindle checkpoint and caspase-3 activation in non-small cell lung cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 155-66	5.4	46
70	CHK1-targeted therapy to deplete DNA replication-stressed, p53-deficient, hyperdiploid colorectal cancer stem cells. <i>Gut</i> , 2018 , 67, 903-917	19.2	45

69	Selective killing of p53-deficient cancer cells by SP600125. <i>EMBO Molecular Medicine</i> , 2012 , 4, 500-14	12	43
68	Selective resistance of tetraploid cancer cells against DNA damage-induced apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2006 , 1090, 35-49	6.5	43
67	Synergistic interaction between cisplatin and PARP inhibitors in non-small cell lung cancer. <i>Cell Cycle</i> , 2013 , 12, 877-83	4.7	42
66	MCL-1 dependency of cisplatin-resistant cancer cells. <i>Biochemical Pharmacology</i> , 2014 , 92, 55-61	6	40
65	The tubulin-depolymerising agent combretastatin-4 induces ectopic aster assembly and mitotic catastrophe in lung cancer cells H460. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 659-69	5.4	40
64	IKK connects autophagy to major stress pathways. <i>Autophagy</i> , 2010 , 6, 189-91	10.2	39
63	Mutational and Antigenic Landscape in Tumor Progression and Cancer Immunotherapy. <i>Trends in Cell Biology</i> , 2019 , 29, 396-416	18.3	37
62	Preferential killing of tetraploid tumor cells by targeting the mitotic kinesin Eg5. <i>Cell Cycle</i> , 2009 , 8, 1030-5	4.7	37
61	Trial Watch: Radioimmunotherapy for oncological indications. <i>Onc Immunology</i> , 2014 , 3, e954929	7.2	36
60	Cell death signaling and anticancer therapy. <i>Frontiers in Oncology</i> , 2011 , 1, 5	5.3	36
59	p53 represses the polyploidization of primary mammary epithelial cells by activating apoptosis. <i>Cell Cycle</i> , 2009 , 8, 1380-5	4.7	35
58	Chk1 inhibition activates p53 through p38 MAPK in tetraploid cancer cells. <i>Cell Cycle</i> , 2008 , 7, 1956-61	4.7	35
57	An automated fluorescence videomicroscopy assay for the detection of mitotic catastrophe. <i>Cell Death and Disease</i> , 2010 , 1, e25	9.8	34
56	Preferential killing of p53-deficient cancer cells by reversine. <i>Cell Cycle</i> , 2012 , 11, 2149-58	4.7	31
55	A chemical inhibitor of Apaf-1 exerts mitochondrioprotective functions and interferes with the intra-S-phase DNA damage checkpoint. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009 , 14, 182-90	5.4	31
54	A fluorescence-microscopic and cytofluorometric system for monitoring the turnover of the autophagic substrate p62/SQSTM1. <i>Autophagy</i> , 2011 , 7, 883-91	10.2	31
53	Independent transcriptional reprogramming and apoptosis induction by cisplatin. <i>Cell Cycle</i> , 2012 , 11, 3472-80	4.7	31
52	ATM kinase sustains breast cancer stem-like cells by promoting ATG4C expression and autophagy. <i>Oncotarget</i> , 2017 , 8, 21692-21709	3.3	30

51	Role of autophagy in the maintenance and function of cancer stem cells. <i>International Journal of Developmental Biology</i> , 2015 , 59, 95-108	1.9	30
50	Disruption of the PP1/GADD34 complex induces calreticulin exposure. <i>Cell Cycle</i> , 2009 , 8, 3971-7	4.7	30
49	Molecular Regulation of the Spindle Assembly Checkpoint by Kinases and Phosphatases. <i>International Review of Cell and Molecular Biology</i> , 2017 , 328, 105-161	6	29
48	Immunosurveillance against tetraploidization-induced colon tumorigenesis. <i>Cell Cycle</i> , 2013 , 12, 473-9	4.7	28
47	Depletion of endonuclease G selectively kills polyploid cells. <i>Cell Cycle</i> , 2007 , 6, 1072-6	4.7	26
46	Vitamin B6 metabolism influences the intracellular accumulation of cisplatin. <i>Cell Cycle</i> , 2013 , 12, 417-21	4.7	24
45	Analysis of the hippo transducers TAZ and YAP in cervical cancer and its microenvironment. <i>Oncolimmunology</i> , 2016 , 5, e1160187	7.2	24
44	Replication stress response in cancer stem cells as a target for chemotherapy. <i>Seminars in Cancer Biology</i> , 2018 , 53, 31-41	12.7	23
43	PARP and other prospective targets for poisoning cancer cell metabolism. <i>Biochemical Pharmacology</i> , 2014 , 92, 164-71	6	23
42	Whole-genome duplication increases tumor cell sensitivity to MPS1 inhibition. <i>Oncotarget</i> , 2016 , 7, 885-901	9.1	23
41	Karyotypic Aberrations in Oncogenesis and Cancer Therapy. <i>Trends in Cancer</i> , 2015 , 1, 124-135	12.5	22
40	DNA damage repair and survival outcomes in advanced gastric cancer patients treated with first-line chemotherapy. <i>International Journal of Cancer</i> , 2017 , 140, 2587-2595	7.5	21
39	Methods to dissect mitochondrial membrane permeabilization in the course of apoptosis. <i>Methods in Enzymology</i> , 2008 , 442, 355-74	1.7	21
38	Autocrine signaling of type 1 interferons in successful anticancer chemotherapy. <i>Oncolimmunology</i> , 2015 , 4, e988042	7.2	21
37	Impact of the Ku complex on HIV-1 expression and latency. <i>PLoS ONE</i> , 2013 , 8, e69691	3.7	19
36	Tuning Cancer Fate: Tumor Microenvironment's Role in Cancer Stem Cell Quiescence and Reawakening. <i>Frontiers in Immunology</i> , 2020 , 11, 2166	8.4	19
35	Trial watch - inhibiting PARP enzymes for anticancer therapy. <i>Molecular and Cellular Oncology</i> , 2016 , 3, e1053594	1.2	18
34	Caspase 2 in mitotic catastrophe: The terminator of aneuploid and tetraploid cells. <i>Molecular and Cellular Oncology</i> , 2017 , 4, e1299274	1.2	17

33	Stress responses in stromal cells and tumor homeostasis. <i>Pharmacology & Therapeutics</i> , 2019 , 200, 55-68	13.9	17
32	An anticancer therapy-elicited immunosurveillance system that eliminates tetraploid cells. <i>Oncolmmunology</i> , 2013 , 2, e22409	7.2	17
31	Past, present, and future of molecular and cellular oncology. <i>Frontiers in Oncology</i> , 2011 , 1, 1	5.3	16
30	Defective autophagy associated with LC3 puncta in epothilone-resistant cancer cells. <i>Cell Cycle</i> , 2010 , 9, 377-83	4.7	16
29	Trial Watch: Proteasomal inhibitors for anticancer therapy. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e974463	1.2	15
28	Negative prognostic value of high levels of intracellular poly(ADP-ribose) in non-small cell lung cancer. <i>Annals of Oncology</i> , 2015 , 26, 2470-7	10.3	15
27	Analysis of the ATR-Chk1 and ATM-Chk2 pathways in male breast cancer revealed the prognostic significance of ATR expression. <i>Scientific Reports</i> , 2017 , 7, 8078	4.9	13
26	Prognostic value of LIPC in non-small cell lung carcinoma. <i>Cell Cycle</i> , 2013 , 12, 647-54	4.7	13
25	Predictive significance of DNA damage and repair biomarkers in triple-negative breast cancer patients treated with neoadjuvant chemotherapy: An exploratory analysis. <i>Oncotarget</i> , 2015 , 6, 42773-80	3.3	13
24	Caspase-independent apoptosis is activated by diazepam-induced mitotic failure in HeLa cells, but not in human primary fibroblasts. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005 , 10, 909-20	5.4	12
23	Evaluation of rapamycin-induced cell death. <i>Methods in Molecular Biology</i> , 2012 , 821, 125-69	1.4	12
22	Body mass index modifies the relationship between γ H2AX, a DNA damage biomarker, and pathological complete response in triple-negative breast cancer. <i>BMC Cancer</i> , 2017 , 17, 101	4.8	11
21	Control of replication stress and mitosis in colorectal cancer stem cells through the interplay of PARP1, MRE11 and RAD51. <i>Cell Death and Differentiation</i> , 2021 , 28, 2060-2082	12.7	10
20	Cytofluorometric assessment of cell cycle progression. <i>Methods in Molecular Biology</i> , 2013 , 965, 93-120	1.4	8
19	DNA Damage and Repair Biomarkers in Cervical Cancer Patients Treated with Neoadjuvant Chemotherapy: An Exploratory Analysis. <i>PLoS ONE</i> , 2016 , 11, e0149872	3.7	8
18	The clinical significance of PD-L1 in advanced gastric cancer is dependent on mutations and ATM expression. <i>Oncolmmunology</i> , 2018 , 7, e1457602	7.2	6
17	Driving to Cancer on a Four-Lane Expressway. <i>Trends in Genetics</i> , 2017 , 33, 491-492	8.5	5
16	Transgenerational cell fate profiling: a method for the graphical presentation of complex cell cycle alterations. <i>Cell Cycle</i> , 2013 , 12, 183-90	4.7	5

15	Involvement of p38 in the mitotic progression of p53 ^{-/-} tetraploid cells. <i>Cell Cycle</i> , 2010 , 9, 2895-2901	4.7	5
14	A novel source of tetraploid cancer cell precursors: telomere insufficiency links aging to oncogenesis. <i>Oncogene</i> , 2010 , 29, 5869-72	9.2	4
13	The Targeting of MRE11 or RAD51 Sensitizes Colorectal Cancer Stem Cells to CHK1 Inhibition. <i>Cancers</i> , 2021 , 13,	6.6	4
12	Spontaneous DNA damage propels tumorigenicity. <i>Cell Research</i> , 2017 , 27, 720-721	24.7	3
11	LTX-315, CAPtivating immunity with necrosis. <i>Cell Cycle</i> , 2016 , 15, 1176-7	4.7	3
10	Using epigenetic modifiers to target cancer stem cell immunoevasion.. <i>Cancer Cell</i> , 2021 , 39, 1573-1575	24.3	3
9	Cytofluorometric purification of diploid and tetraploid cancer cells. <i>Methods in Molecular Biology</i> , 2011 , 761, 47-63	1.4	3
8	Relative Information Gain: Shannon entropy-based measure of the relative structural conservation in RNA alignments. <i>NAR Genomics and Bioinformatics</i> , 2021 , 3, lqab007	3.7	3
7	Everybody In! No Bouncers at Tumor Gates. <i>Trends in Genetics</i> , 2018 , 34, 85-87	8.5	2
6	Synchronization and Desynchronization of Cells by Interventions on the Spindle Assembly Checkpoint. <i>Methods in Molecular Biology</i> , 2017 , 1524, 77-95	1.4	2
5	BRIO: a web server for RNA sequence and structure motif scan. <i>Nucleic Acids Research</i> , 2021 , 49, W67-W71	10.1	2
4	Cytofluorometric Quantification of Cell Death Elicited by NLR Proteins. <i>Methods in Molecular Biology</i> , 2016 , 1417, 231-45	1.4	1
3	Cytofluorometric assessment of dendritic cell-mediated uptake of cancer cell apoptotic bodies. <i>Methods in Enzymology</i> , 2020 , 632, 39-54	1.7	
2	Caspase 2 and p53 Reunited in Tumor Control. <i>Trends in Cell Biology</i> , 2020 , 30, 917-918	18.3	
1	Oncosuppressive functions of PIDD1 in response to centrosome amplification. <i>Cell Death and Disease</i> , 2021 , 12, 175	9.8	