

Gabriella Dorazi

List of Publications by Citations

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102
papers

8,694
citations

37
h-index

92
g-index

115
ext. papers

10,522
ext. citations

7.6
avg, IF

5.53
L-index

#	Paper	IF	Citations
102	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
101	Homeodomain-interacting protein kinase-2 phosphorylates p53 at Ser 46 and mediates apoptosis. <i>Nature Cell Biology</i> , 2002 , 4, 11-9	23.4	572
100	Apoptosis as anticancer mechanism: function and dysfunction of its modulators and targeted therapeutic strategies. <i>Aging</i> , 2016 , 8, 603-19	5.6	572
99	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
98	Type IV collagenase(s) and TIMPs modulate endothelial cell morphogenesis in vitro. <i>Journal of Cellular Physiology</i> , 1993 , 156, 235-46	7	256
97	Quercetin induces apoptosis and autophagy in primary effusion lymphoma cells by inhibiting PI3K/AKT/mTOR and STAT3 signaling pathways. <i>Journal of Nutritional Biochemistry</i> , 2017 , 41, 124-136	6.3	124
96	Regulation of p53 activity by HIPK2: molecular mechanisms and therapeutical implications in human cancer cells. <i>Oncogene</i> , 2010 , 29, 4378-87	9.2	106
95	Homeodomain-interacting protein kinase-2 activity and p53 phosphorylation are critical events for cisplatin-mediated apoptosis. <i>Experimental Cell Research</i> , 2004 , 293, 311-20	4.2	93
94	Restoring p53 active conformation by zinc increases the response of mutant p53 tumor cells to anticancer drugs. <i>Cell Cycle</i> , 2011 , 10, 1679-89	4.7	91
93	Inhibition of HIF-1 α activity by homeodomain-interacting protein kinase-2 correlates with sensitization of chemoresistant cells to undergo apoptosis. <i>Molecular Cancer</i> , 2009 , 8, 1	42.1	90
92	Zinc downregulates HIF-1 α and inhibits its activity in tumor cells in vitro and in vivo. <i>PLoS ONE</i> , 2010 , 5, e15048	3.7	76
91	Degradation of mutant p53H175 protein by Zn(II) through autophagy. <i>Cell Death and Disease</i> , 2014 , 5, e1271	9.8	64
90	HSP70 inhibition by 2-phenylethanesulfonamide induces lysosomal cathepsin D release and immunogenic cell death in primary effusion lymphoma. <i>Cell Death and Disease</i> , 2013 , 4, e730	9.8	63
89	Reversible dysfunction of wild-type p53 following homeodomain-interacting protein kinase-2 knockdown. <i>Cancer Research</i> , 2008 , 68, 3707-14	10.1	60
88	Updates on HIPK2: a resourceful oncosuppressor for clearing cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2012 , 31, 63	12.8	59
87	HIPK2 modulates p53 activity towards pro-apoptotic transcription. <i>Molecular Cancer</i> , 2009 , 8, 85	42.1	59
86	HIPK2 contributes to PCAF-mediated p53 acetylation and selective transactivation of p21Waf1 after nonapoptotic DNA damage. <i>Oncogene</i> , 2005 , 24, 5431-42	9.2	59

85	SLC25A1, or CIC, is a novel transcriptional target of mutant p53 and a negative tumor prognostic marker. <i>Oncotarget</i> , 2014 , 5, 1212-25	3.3	57
84	HIPK2 neutralizes MDM2 inhibition rescuing p53 transcriptional activity and apoptotic function. <i>Oncogene</i> , 2004 , 23, 5185-92	9.2	56
83	Nox1 is involved in p53 deacetylation and suppression of its transcriptional activity and apoptosis. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 1338-46	7.8	52
82	Histone deacetylase inhibitors VPA and TSA induce apoptosis and autophagy in pancreatic cancer cells. <i>Cellular Oncology (Dordrecht)</i> , 2017 , 40, 167-180	7.2	51
81	A fluorescent curcumin-based Zn(II)-complex reactivates mutant (R175H and R273H) p53 in cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013 , 32, 72	12.8	48
80	Follicle-stimulating hormone increases the expression of tissue inhibitors of metalloproteinases TIMP-1 and TIMP-2 and induces TIMP-1 AP-1 site binding complex(es) in prepubertal rat Sertoli cells. <i>Endocrinology</i> , 1994 , 135, 2479-87	4.8	48
79	Restoring wtp53 activity in HIPK2 depleted MCF7 cells by modulating metallothionein and zinc. <i>Experimental Cell Research</i> , 2009 , 315, 67-75	4.2	47
78	Homeodomain-interacting protein kinase-2 restrains cytosolic phospholipase A2-dependent prostaglandin E2 generation in human colorectal cancer cells. <i>Clinical Cancer Research</i> , 2006 , 12, 735-41	12.9	43
77	Apigenin, by activating p53 and inhibiting STAT3, modulates the balance between pro-apoptotic and pro-survival pathways to induce PEL cell death. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017 , 36, 167	12.8	42
76	HIPK2-a therapeutical target to be (re)activated for tumor suppression: role in p53 activation and HIF-1 α inhibition. <i>Cell Cycle</i> , 2010 , 9, 1270-5	4.7	42
75	HIF-1 α antagonizes p53-mediated apoptosis by triggering HIPK2 degradation. <i>Aging</i> , 2011 , 3, 33-43	5.6	42
74	Targeting hypoxia in cancer cells by restoring homeodomain interacting protein-kinase 2 and p53 activity and suppressing HIF-1 α . <i>PLoS ONE</i> , 2009 , 4, e6819	3.7	41
73	Reactivation of mutant p53 by capsaicin, the major constituent of peppers. <i>Journal of Experimental and Clinical Cancer Research</i> , 2016 , 35, 136	12.8	41
72	Zinc supplementation augments in vivo antitumor effect of chemotherapy by restoring p53 function. <i>International Journal of Cancer</i> , 2012 , 131, E562-8	7.5	40
71	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
70	JNK and macroautophagy activation by bortezomib has a pro-survival effect in primary effusion lymphoma cells. <i>PLoS ONE</i> , 2013 , 8, e75965	3.7	39
69	Unfolded p53 in the pathogenesis of Alzheimer's disease: is HIPK2 the link?. <i>Aging</i> , 2010 , 2, 545-54	5.6	39
68	Negative regulation of beta4 integrin transcription by homeodomain-interacting protein kinase 2 and p53 impairs tumor progression. <i>Cancer Research</i> , 2009 , 69, 5978-86	10.1	38

67	Transcriptional regulation of hypoxia-inducible factor 1alpha by HIPK2 suggests a novel mechanism to restrain tumor growth. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009 , 1793, 368-77	4.9	38
66	Autophagy manipulation as a strategy for efficient anticancer therapies: possible consequences. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 262	12.8	36
65	p53 can inhibit cell proliferation through caspase-mediated cleavage of ERK2/MAPK. <i>Cell Death and Differentiation</i> , 2004 , 11, 596-607	12.7	36
64	Concomitant reduction of c-Myc expression and PI3K/AKT/mTOR signaling by quercetin induces a strong cytotoxic effect against Burkitt's lymphoma. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 79, 393-400	5.6	35
63	Zinc supplementation is required for the cytotoxic and immunogenic effects of chemotherapy in chemoresistant p53-functionally deficient cells. <i>Oncolmunology</i> , 2013 , 2, e26198	7.2	35
62	Homeodomain interacting protein kinase 2: a target for Alzheimer's beta amyloid leading to misfolded p53 and inappropriate cell survival. <i>PLoS ONE</i> , 2010 , 5, e10171	3.7	35
61	Mutant p53 and Cellular Stress Pathways: A Criminal Alliance That Promotes Cancer Progression. <i>Cancers</i> , 2019 , 11,	6.6	33
60	Glucose restriction induces cell death in parental but not in homeodomain-interacting protein kinase 2-depleted RKO colon cancer cells: molecular mechanisms and implications for tumor therapy. <i>Cell Death and Disease</i> , 2013 , 4, e639	9.8	33
59	Mutant p53, Stabilized by Its Interplay with HSP90, Activates a Positive Feed-Back Loop Between NRF2 and p62 that Induces Chemo-Resistance to Apigenin in Pancreatic Cancer Cells. <i>Cancers</i> , 2019 , 11,	6.6	32
58	Chloroquine supplementation increases the cytotoxic effect of curcumin against Her2/neu overexpressing breast cancer cells and in nude mice while counteracts it in immune competent mice. <i>Oncolmunology</i> , 2017 , 6, e1356151	7.2	32
57	High glucose and hyperglycemic sera from type 2 diabetic patients impair DC differentiation by inducing ROS and activating Wnt/ β -catenin and p38 MAPK. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 805-813	6.9	31
56	Increase of BCNU sensitivity by wt-p53 gene therapy in glioblastoma lines depends on the administration schedule. <i>Gene Therapy</i> , 1999 , 6, 1064-72	4	30
55	Ultrastructural evidence of the mechanisms responsible for interleukin-4-activated rejection of a spontaneous murine adenocarcinoma. <i>International Journal of Cancer</i> , 1993 , 53, 988-93	7.5	28
54	Targeting MKK3 as a novel anticancer strategy: molecular mechanisms and therapeutical implications. <i>Cell Death and Disease</i> , 2015 , 6, e1621	9.8	27
53	HIPK2 inhibits both MDM2 gene and protein by, respectively, p53-dependent and independent regulations. <i>FEBS Letters</i> , 2005 , 579, 5473-80	3.8	27
52	High glucose dephosphorylates serine 46 and inhibits p53 apoptotic activity. <i>Journal of Experimental and Clinical Cancer Research</i> , 2014 , 33, 79	12.8	26
51	HIPK2-induced p53Ser46 phosphorylation activates the KILLER/DR5-mediated caspase-8 extrinsic apoptotic pathway. <i>Cell Death and Differentiation</i> , 2007 , 14, 1837-9	12.7	26
50	Exogenous wt-p53 protein is active in transformed cells but not in their non-transformed counterparts: implications for cancer gene therapy without tumor targeting. <i>Journal of Gene Medicine</i> , 2000 , 2, 11-21	3.5	26

49	Kaposi sarcoma associated herpesvirus (KSHV) induces AKT hyperphosphorylation, bortezomib-resistance and GLUT-1 plasma membrane exposure in THP-1 monocytic cell line. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013 , 32, 79	12.8	25
48	Azurin modulates the association of Mdm2 with p53: SPR evidence from interaction of the full-length proteins. <i>Journal of Molecular Recognition</i> , 2011 , 24, 707-14	2.6	25
47	Genome-wide analysis discloses reversal of the hypoxia-induced changes of gene expression in colon cancer cells by zinc supplementation. <i>Oncotarget</i> , 2011 , 2, 1191-202	3.3	24
46	p53-Dependent PUMA to DRAM antagonistic interplay as a key molecular switch in cell-fate decision in normal/high glucose conditions. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017 , 36, 126	12.8	22
45	Interaction of p53 with Mdm2 and azurin as studied by atomic force spectroscopy. <i>Journal of Molecular Recognition</i> , 2010 , 23, 343-51	2.6	21
44	HIPK2 downregulates vimentin and inhibits breast cancer cell invasion. <i>Cancer Biology and Therapy</i> , 2012 , 13, 198-205	4.6	21
43	Regulation of vascular endothelial growth factor expression by homeodomain-interacting protein kinase-2. <i>Journal of Experimental and Clinical Cancer Research</i> , 2008 , 27, 22	12.8	21
42	Zn(II)-curc targets p53 in thyroid cancer cells. <i>International Journal of Oncology</i> , 2015 , 47, 1241-8	4.4	20
41	Targeting COX-2/PGE(2) pathway in HIPK2 knockdown cancer cells: impact on dendritic cell maturation. <i>PLoS ONE</i> , 2012 , 7, e48342	3.7	19
40	The beneficial effect of Zinc(II) on low-dose chemotherapeutic sensitivity involves p53 activation in wild-type p53-carrying colorectal cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2015 , 34, 87	12.8	18
39	Metformin triggers apoptosis in PEL cells and alters bortezomib-induced Unfolded Protein Response increasing its cytotoxicity and inhibiting KSHV lytic cycle activation. <i>Cellular Signalling</i> , 2017 , 40, 239-247	4.9	17
38	Overexpression of HIPK2 circumvents the blockade of apoptosis in chemoresistant ovarian cancer cells. <i>Gynecologic Oncology</i> , 2008 , 109, 403-10	4.9	17
37	N(6)-Methyldeoxyadenosine, a nucleoside commonly found in prokaryotes, induces C2C12 myogenic differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 314, 476-82	3.4	17
36	Tp53-gene transfer induces hypersensitivity to low doses of X-rays in glioblastoma cells: a strategy to convert a radio-resistant phenotype into a radiosensitive one. <i>Cancer Letters</i> , 2006 , 231, 102-12	9.9	16
35	Oxidant species are involved in T/B-mediated ERK1/2 phosphorylation that activates p53-p21 axis to promote KSHV lytic cycle in PEL cells. <i>Free Radical Biology and Medicine</i> , 2017 , 112, 327-335	7.8	15
34	Expression and synthesis of fibronectin and laminin by an intestinal epithelial cell line. <i>Tissue and Cell</i> , 1988 , 20, 305-12	2.7	15
33	Quercetin Interrupts the Positive Feedback Loop Between STAT3 and IL-6, Promotes Autophagy, and Reduces ROS, Preventing EBV-Driven B Cell Immortalization. <i>Biomolecules</i> , 2019 , 9,	5.9	14
32	The 72-kDa and the 92-kDa gelatinases, but not their inhibitors TIMP-1 and TIMP-2, are expressed in early psoriatic lesions. <i>Experimental Dermatology</i> , 1997 , 6, 321-7	4	14

31	Xenotransplantation in immunosuppressed nude mice of human solid tumors and acute leukemias directly from patients or in vitro cell lines. <i>Research in Clinic and Laboratory</i> , 1989 , 19, 231-43		14
30	Carvacrol reduces adipogenic differentiation by modulating autophagy and ChREBP expression. <i>PLoS ONE</i> , 2018 , 13, e0206894	3.7	14
29	HHV-6A infection dysregulates autophagy/UPR interplay increasing beta amyloid production and tau phosphorylation in astrocytoma cells as well as in primary neurons, possible molecular mechanisms linking viral infection to Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165647	6.9	13
28	HIPK2 role in the tumor-host interaction: Impact on fibroblasts transdifferentiation CAF-like. <i>IUBMB Life</i> , 2019 , 71, 2055-2061	4.7	12
27	Counteracting MDM2-induced HIPK2 downregulation restores HIPK2/p53 apoptotic signaling in cancer cells. <i>FEBS Letters</i> , 2010 , 584, 4253-8	3.8	12
26	Hyperglycemia triggers HIPK2 protein degradation. <i>Oncotarget</i> , 2017 , 8, 1190-1203	3.3	12
25	STAT3 and mutp53 Engage a Positive Feedback Loop Involving HSP90 and the Mevalonate Pathway. <i>Frontiers in Oncology</i> , 2020 , 10, 1102	5.3	11
24	STAT3 phosphorylation affects p53/p21 axis and KSHV lytic cycle activation. <i>Virology</i> , 2019 , 528, 137-143,6	3.6	11
23	Gentian violet induces wtp53 transactivation in cancer cells. <i>International Journal of Oncology</i> , 2014 , 44, 1084-90	4.4	10
22	Wild-type p53-mediated down-modulation of interleukin 15 and interleukin 15 receptors in human rhabdomyosarcoma cells. <i>British Journal of Cancer</i> , 1998 , 78, 1541-6	8.7	10
21	ZnCl ₂ sustains the adriamycin-induced cell death inhibited by high glucose. <i>Cell Death and Disease</i> , 2016 , 7, e2280	9.8	10
20	Ewing's sarcoma lines synthesize laminin and fibronectin. <i>Virchows Archiv A, Pathological Anatomy and Histopathology</i> , 1987 , 410, 375-81		9
19	KSHV infection skews macrophage polarisation towards M2-like/TAM and activates Ire1 XBP1 axis up-regulating pro-tumorigenic cytokine release and PD-L1 expression. <i>British Journal of Cancer</i> , 2020 , 123, 298-306	8.7	8
18	A ruthenium(II)-curcumin compound modulates NRF2 expression balancing the cancer cell death/survival outcome according to p53 status. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020 , 39, 122	12.8	7
17	HIPK2 knock-down compromises tumor cell efficiency to repair damaged DNA. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 361, 249-55	3.4	7
16	Modulation of laminin synthesis in human neuroblastoma cells during retinoic acid induced differentiation. <i>Cancer Letters</i> , 1992 , 64, 31-7	9.9	6
15	Reduced chemotherapeutic sensitivity in high glucose condition: implication of antioxidant response. <i>Oncotarget</i> , 2019 , 10, 4691-4702	3.3	5
14	PGE ₂ Released by Pancreatic Cancer Cells Undergoing ER Stress Transfers the Stress to DCs Impairing Their Immune Function. <i>Molecular Cancer Therapeutics</i> , 2021 , 20, 934-945	6.1	5

13	P62/SQSTM1/Keap1/NRF2 Axis Reduces Cancer Cells Death-Sensitivity in Response to Zn(II)-Curcumin Complex. <i>Biomolecules</i> , 2021 , 11,	5.9	5
12	Interplay between Endoplasmic Reticulum (ER) Stress and Autophagy Induces Mutant p53H273 Degradation. <i>Biomolecules</i> , 2020 , 10,	5.9	4
11	Nuclear factor erythroid 2 (NF-E2) p45-related factor 2 interferes with homeodomain-interacting protein kinase 2/p53 activity to impair solid tumors chemosensitivity. <i>IUBMB Life</i> , 2020 , 72, 1634-1639	4.7	4
10	Anticancer effect of AZD2461 PARP inhibitor against colon cancer cells carrying wt or dysfunctional p53. <i>Experimental Cell Research</i> , 2021 , 408, 112879	4.2	4
9	Cytotoxic Drugs Activate KSHV Lytic Cycle in Latently Infected PEL Cells by Inducing a Moderate ROS Increase Controlled by HSF1, NRF2 and p62/SQSTM1. <i>Viruses</i> , 2018 , 11,	6.2	4
8	PBA Preferentially Impairs Cell Survival of Glioblastomas Carrying mutp53 by Reducing Its Expression Level, Stabilizing wtp53, Downregulating the Mevalonate Kinase and Dysregulating UPR. <i>Biomolecules</i> , 2020 , 10,	5.9	3
7	Lovastatin reduces PEL cell survival by phosphorylating ERK1/2 that blocks the autophagic flux and engages a cross-talk with p53 to activate p21. <i>IUBMB Life</i> , 2021 , 73, 968-977	4.7	3
6	Activation of p53/p21waf1 pathway is associated with senescence during v-Ha-ras transformation of immortal C2C12 myoblasts. <i>Anticancer Research</i> , 2000 , 20, 3497-502	2.3	3
5	Zinc Supplementation Enhances the Pro-Death Function of UPR in Lymphoma Cells Exposed to Radiation.. <i>Biology</i> , 2022 , 11,	4.9	2
4	p53-R273H Sustains ROS, Pro-Inflammatory Cytokine Release and mTOR Activation While Reducing Autophagy, Mitophagy and UCP2 Expression, Effects Prevented by wtp53. <i>Biomolecules</i> , 2021 , 11,	5.9	2
3	Role of UPR Sensor Activation in Cell Death-Survival Decision of Colon Cancer Cells Stressed by DPE Treatment. <i>Biomedicines</i> , 2021 , 9,	4.8	2
2	VPA and TSA Interrupt the Interplay between mutp53 and HSP70, Leading to CHK1 and RAD51 Down-Regulation and Sensitizing Pancreatic Cancer Cells to AZD2461 PARP Inhibitor.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	2
1	Interconnected Adaptive Responses: A Way Out for Cancer Cells to Avoid Cellular Demise. <i>Cancers</i> , 2022 , 14, 2780	6.6	1