

Giovanna Maria Pierantoni

List of Publications by Citations

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75
papers

3,423
citations

36
h-index

57
g-index

80
ext. papers

4,222
ext. citations

6.8
avg, IF

4.53
L-index

#	Paper	IF	Citations
75	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
74	p53 suppresses the Nrf2-dependent transcription of antioxidant response genes. <i>Journal of Biological Chemistry</i> , 2006 , 281, 39776-84	5.4	239
73	Overexpression of the HMGA2 gene in transgenic mice leads to the onset of pituitary adenomas. <i>Oncogene</i> , 2002 , 21, 3190-8	9.2	181
72	Neoplastic transformation of rat thyroid cells requires the junB and fra-1 gene induction which is dependent on the HMGI-C gene product. <i>EMBO Journal</i> , 1997 , 16, 5310-21	13	113
71	Negative regulation of BRCA1 gene expression by HMGA1 proteins accounts for the reduced BRCA1 protein levels in sporadic breast carcinoma. <i>Molecular and Cellular Biology</i> , 2003 , 23, 2225-38	4.8	104
70	Down-regulation of the miR-25 and miR-30d contributes to the development of anaplastic thyroid carcinoma targeting the polycomb protein EZH2. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E710-8	5.6	91
69	Loss of the CBX7 gene expression correlates with a highly malignant phenotype in thyroid cancer. <i>Cancer Research</i> , 2008 , 68, 6770-8	10.1	91
68	Deregulation of microRNA expression in thyroid neoplasias. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 88-101	15.2	86
67	HMGA1 and HMGA2 protein expression in mouse spermatogenesis. <i>Oncogene</i> , 2002 , 21, 3644-50	9.2	85
66	High mobility group I (Y) proteins bind HIPK2, a serine-threonine kinase protein which inhibits cell growth. <i>Oncogene</i> , 2001 , 20, 6132-41	9.2	81
65	High-mobility group A1 inhibits p53 by cytoplasmic relocalization of its proapoptotic activator HIPK2. <i>Journal of Clinical Investigation</i> , 2007 , 117, 693-702	15.9	80
64	Thyroid cell transformation requires the expression of the HMGA1 proteins. <i>Oncogene</i> , 2002 , 21, 2971-80	9.2	77
63	Critical role of the HMGI(Y) proteins in adipocytic cell growth and differentiation. <i>Molecular and Cellular Biology</i> , 2001 , 21, 2485-95	4.8	75
62	HMGA1 pseudogenes as candidate proto-oncogenic competitive endogenous RNAs. <i>Oncotarget</i> , 2014 , 5, 8341-54	3.3	66
61	HMGA1 protein overexpression in human breast carcinomas: correlation with ErbB2 expression. <i>Clinical Cancer Research</i> , 2004 , 10, 7637-44	12.9	64
60	The High Mobility Group A2 gene is amplified and overexpressed in human prolactinomas. <i>Cancer Research</i> , 2002 , 62, 2398-405	10.1	62
59	High Mobility Group A1 (HMGA1) proteins interact with p53 and inhibit its apoptotic activity. <i>Cell Death and Differentiation</i> , 2006 , 13, 1554-63	12.7	59

58	HMGA2 mRNA expression correlates with the malignant phenotype in human thyroid neoplasias. <i>European Journal of Cancer</i> , 2008 , 44, 1015-21	7.5	58
57	Photodynamic and Antibiotic Therapy in Combination to Fight Biofilms and Resistant Surface Bacterial Infections. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 20417-30	6.3	56
56	Cloning and molecular characterization of a novel gene strongly induced by the adenovirus E1A gene in rat thyroid cells. <i>Oncogene</i> , 2003 , 22, 1087-97	9.2	53
55	The RFG oligomerization domain mediates kinase activation and re-localization of the RET/PTC3 oncoprotein to the plasma membrane. <i>Oncogene</i> , 2001 , 20, 599-608	9.2	51
54	Nrf2 Pathway in Age-Related Neurological Disorders: Insights into MicroRNAs. <i>Cellular Physiology and Biochemistry</i> , 2018 , 47, 1951-1976	3.9	51
53	High-mobility group A1 proteins regulate p53-mediated transcription of Bcl-2 gene. <i>Cancer Research</i> , 2010 , 70, 5379-88	10.1	50
52	Resveratrol couples apoptosis with autophagy in UVB-irradiated HaCaT cells. <i>PLoS ONE</i> , 2013 , 8, e80728	3.7	48
51	Increase in AP-1 activity is a general event in thyroid cell transformation in vitro and in vivo. <i>Oncogene</i> , 1998 , 17, 377-85	9.2	48
50	HIPK2 controls cytokinesis and prevents tetraploidization by phosphorylating histone H2B at the midbody. <i>Molecular Cell</i> , 2012 , 47, 87-98	17.6	47
49	RNF4 is a growth inhibitor expressed in germ cells but not in human testicular tumors. <i>American Journal of Pathology</i> , 2001 , 159, 1225-30	5.8	47
48	The homeodomain-interacting protein kinase 2 gene is expressed late in embryogenesis and preferentially in retina, muscle, and neural tissues. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 290, 942-7	3.4	42
47	FRA-1 protein overexpression is a feature of hyperplastic and neoplastic breast disorders. <i>BMC Cancer</i> , 2007 , 7, 17	4.8	40
46	Hmga1/Hmga2 double knock-out mice display a "superpygmy" phenotype. <i>Biology Open</i> , 2014 , 3, 372-8	2.2	39
45	PATZ1 interacts with p53 and regulates expression of p53-target genes enhancing apoptosis or cell survival based on the cellular context. <i>Cell Death and Disease</i> , 2013 , 4, e963	9.8	39
44	Critical role of the HMGA2 gene in pituitary adenomas. <i>Cell Cycle</i> , 2006 , 5, 2045-8	4.7	39
43	Pax8 has a critical role in epithelial cell survival and proliferation. <i>Cell Death and Disease</i> , 2013 , 4, e729	9.8	37
42	Establishment of a non-tumorigenic papillary thyroid cell line (FB-2) carrying the RET/PTC1 rearrangement. <i>International Journal of Cancer</i> , 2002 , 97, 608-14	7.5	37
41	Transforming properties of <i>Felis catus</i> papillomavirus type 2 E6 and E7 putative oncogenes in vitro and their transcriptional activity in feline squamous cell carcinoma in vivo. <i>Virology</i> , 2016 , 496, 1-8	3.6	37

40	High-mobility group A1 proteins are overexpressed in human leukaemias. <i>Biochemical Journal</i> , 2003 , 372, 145-50	3.8	36
39	High-mobility group A2 gene expression is frequently induced in non-functioning pituitary adenomas (NFPAs), even in the absence of chromosome 12 polysomy. <i>Endocrine-Related Cancer</i> , 2005 , 12, 867-74	5.7	35
38	SOM230, a new somatostatin analogue, is highly effective in the therapy of growth hormone/prolactin-secreting pituitary adenomas. <i>Clinical Cancer Research</i> , 2007 , 13, 2738-44	12.9	34
37	Alteration of endosomal trafficking is associated with early-onset parkinsonism caused by SYNJ1 mutations. <i>Cell Death and Disease</i> , 2018 , 9, 385	9.8	31
36	High mobility group A1 protein modulates autophagy in cancer cells. <i>Cell Death and Differentiation</i> , 2017 , 24, 1948-1962	12.7	30
35	PIT1 upregulation by HMGA proteins has a role in pituitary tumorigenesis. <i>Endocrine-Related Cancer</i> , 2012 , 19, 123-35	5.7	28
34	CCDC6 represses CREB1 activity by recruiting histone deacetylase 1 and protein phosphatase 1. <i>Oncogene</i> , 2010 , 29, 4341-51	9.2	27
33	A truncated HMGA1 gene induces proliferation of the 3T3-L1 pre-adipocytic cells: a model of human lipomas. <i>Carcinogenesis</i> , 2003 , 24, 1861-9	4.6	27
32	PERK-Mediated Unfolded Protein Response Activation and Oxidative Stress in PARK20 Fibroblasts. <i>Frontiers in Neuroscience</i> , 2019 , 13, 673	5.1	23
31	High-mobility group A1 protein inhibits p53-mediated intrinsic apoptosis by interacting with Bcl-2 at mitochondria. <i>Cell Death and Disease</i> , 2012 , 3, e383	9.8	23
30	E2F1 activation is responsible for pituitary adenomas induced by HMGA2 gene overexpression. <i>Cell Division</i> , 2006 , 1, 17	2.8	22
29	Fenofibrate increases the expression of high mobility group AT-hook 2 (HMGA2) gene and induces adipocyte differentiation of orbital fibroblasts from GravesTophthalmopathy. <i>Journal of Molecular Endocrinology</i> , 2004 , 33, 133-43	4.5	21
28	HIPK2 deficiency causes chromosomal instability by cytokinesis failure and increases tumorigenicity. <i>Oncotarget</i> , 2015 , 6, 10320-34	3.3	20
27	Interplay between steroid receptors and neoplastic progression in sarcoma tumors. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2997-3003	7	19
26	HMGA1 protein is a novel target of the ATM kinase. <i>European Journal of Cancer</i> , 2008 , 44, 2668-79	7.5	19
25	Deregulation of HMGA1 expression induces chromosome instability through regulation of spindle assembly checkpoint genes. <i>Oncotarget</i> , 2015 , 6, 17342-53	3.3	19
24	Hmga2 is necessary for Otx2-dependent exit of embryonic stem cells from the pluripotent ground state. <i>BMC Biology</i> , 2016 , 14, 24	7.3	19
23	Update on the Regulation of HIPK1, HIPK2 and HIPK3 Protein Kinases by microRNAs. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2018 , 7, 178-186	2.9	17

22	Targeted disruption of the murine homeodomain-interacting protein kinase-2 causes growth deficiency in vivo and cell cycle arrest in vitro. <i>DNA and Cell Biology</i> , 2009 , 28, 161-7	3.6	16
21	Interaction between HMGA1 and retinoblastoma protein is required for adipocyte differentiation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 25993-6004	5.4	14
20	Convergent Effects of Resveratrol and PYK2 on Prostate Cells. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	14
19	Glix 13, a new drug acting on glutamatergic pathways in children and animal models of autism spectrum disorders. <i>BioMed Research International</i> , 2014 , 2014, 234295	3	13
18	Genetic ablation of homeodomain-interacting protein kinase 2 selectively induces apoptosis of cerebellar Purkinje cells during adulthood and generates an ataxic-like phenotype. <i>Cell Death and Disease</i> , 2015 , 6, e2004	9.8	12
17	High-mobility-group A1 (HMGA1) proteins down-regulate the expression of the recombination activating gene 2 (RAG2). <i>Biochemical Journal</i> , 2005 , 389, 91-7	3.8	12
16	Effects of Long-Term Citrate Treatment in the PC3 Prostate Cancer Cell Line. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
15	Impairment of the p27kip1 function enhances thyroid carcinogenesis in TRK-T1 transgenic mice. <i>Endocrine-Related Cancer</i> , 2009 , 16, 483-90	5.7	11
14	Homeodomain-interacting protein kinase-2 stabilizes p27(kip1) by its phosphorylation at serine 10 and contributes to cell motility. <i>Journal of Biological Chemistry</i> , 2011 , 286, 29005-29013	5.4	9
13	Identification of new high mobility group A1 associated proteins. <i>Proteomics</i> , 2007 , 7, 3735-42	4.8	8
12	Comprehensive conventional and molecular cytogenetic characterization of B-CPAP, a human papillary thyroid carcinoma-derived cell line. <i>Cancer Genetics and Cytogenetics</i> , 2004 , 151, 171-7		8
11	Hmga1 null mouse embryonic fibroblasts display downregulation of spindle assembly checkpoint gene expression associated to nuclear and karyotypic abnormalities. <i>Cell Cycle</i> , 2016 , 15, 812-8	4.7	6
10	Regulation of HIPK Proteins by MicroRNAs. <i>MicroRNA (Sharjah, United Arab Emirates)</i> , 2015 , 4, 148-57	2.9	6
9	High mobility group A-interacting proteins in cancer: focus on chromobox protein homolog 7, homeodomain interacting protein kinase 2 and PATZ. <i>Journal of Nucleic Acids Investigation</i> , 2012 , 3, 1		5
8	Lithium chloride increases sensitivity to photon irradiation treatment in primary mesenchymal colon cancer cells. <i>Molecular Medicine Reports</i> , 2020 , 21, 1501-1508	2.9	4
7	Double knock-out of Hmga1 and Hipk2 genes causes perinatal death associated to respiratory distress and thyroid abnormalities in mice. <i>Cell Death and Disease</i> , 2019 , 10, 747	9.8	3
6	Mitochondrial Malfunctioning, Proteasome Arrest and Apoptosis in Cancer Cells by Focused Intracellular Generation of Oxygen Radicals. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 20375-91	6.3	1
5	Cell-penetrating peptides: two faces of the same coin. <i>Biochemical Journal</i> , 2020 , 477, 1363-1366	3.8	1

4	Retraction: Overexpression of Proteins HMGA1 Induces Cell Cycle Deregulation and Apoptosis in Normal Rat Thyroid Cells. <i>Cancer Research</i> , 2018 , 78, 6910-6910	10.1	1
3	Retraction: Suppression of HMGA2 Protein Synthesis Could Be a Tool for the Therapy of Well Differentiated Liposarcomas Overexpressing. <i>Cancer Research</i> , 2018 , 78, 6909	10.1	1
2	Phenotypic Effects of Homeodomain-Interacting Protein Kinase 2 Deletion in Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
1	Retraction: High-Mobility Group A1 Proteins Regulate p53-Mediated Transcription of Gene. <i>Cancer Research</i> , 2018 , 78, 6905	10.1	