Guidalberto Manfioletti

List of Publications by Year
in descending order

79 papers	4,130 citations	117625 34 h-index	118850 62 g-index
80 all docs	80 docs citations	80 times ranked	4675 citing authors

#	Article	IF	Citations
1	Transforming growth factor-Î² employs HMGA2 to elicit epithelialâ€“mesenchymal transition. Journal of Cell Biology, 2006, 174, 175-183.	5.2	457
2	A one-tube plasmid DNA mini-preparation suitable for sequencing. Nucleic Acids Research, 1988, 16, 9878-9878.	14.5	258
3	Nuclear phosphoproteins HMGA and their relationship with chromatin structure and cancer. FEBS Letters, 2004, 574, 1-8.	2.8	206
4	Lack of the architectural factor HMGA1 causes insulin resistance and diabetes in humans and mice. Nature Medicine, 2005, 11, 765-773.	30.7	204
5	Identification of a novel vertebrate homeobox gene expressed in haematopoietic cells. Nucleic Acids Research, 1992, 20, 5661-5667.	14.5	157
6	HMGA1 promotes metastatic processes in basal-like breast cancer regulating EMT and stemness. Oncotarget, 2013, 4, 1293-1308.	1.8	145
7	Transcriptional Activation of the Cyclin A Gene by the Architectural Transcription Factor HMGA2. Molecular and Cellular Biology, 2003, 23, 9104-9116.	2.3	140
8	Proneural-Mesenchymal Transition: Phenotypic Plasticity to Acquire Multitherapy Resistance in Glioblastoma. International Journal of Molecular Sciences, 2019, 20, 2746.	4.1	138
9	Transgenic Mice Expressing a Truncated Form of the High Mobility Group I-C Protein Develop Adiposity and an Abnormally High Prevalence of Lipomas. Journal of Biological Chemistry, 2000, 275, 14394-14400.	3.4	136
10	A new and fast method for prearing high quality lambda DNA suitable for sequencing. Nucleic Acids Research, 1988, 16, 2873-2884.	14.5	135
11	HMGA molecular network: From transcriptional regulation to chromatin remodeling. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2010, 1799, 37-47.	1.9	105
12	Transcriptional regulation of human insulin receptor gene by the highâ€mobility group protein HMGI(Y). FASEB Journal, 2001, 15, 492-500.	0.5	97
13	HMGA1 Inhibits the Function of p53 Family Members in Thyroid Cancer Cells. Cancer Research, 2006, 66, 2980-2989.	0.9	87
14	The AT-hook of the Chromatin Architectural Transcription Factor High Mobility Group A1a Is Arginine-methylated by Protein Arginine Methyltransferase 6. Journal of Biological Chemistry, 2006, 281, 3764-3772.	3.4	85
15	High mobility group HMGI(Y) protein expression in human colorectal hyperplastic and neoplastic diseases. International Journal of Cancer, 2001, 91, 147-151.	5.1	82
16	HMGA1 protein over-expression is a frequent feature of epithelial ovarian carcinomas. Carcinogenesis, 2003, 24, 1191-1198.	2.8	75
17	High Mobility Group A (HMGA) proteins: Molecular instigators of breast cancer onset and progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1869, 216-229.	7.4	72
18	A novel HMGA1-CCNE2-YAP axis regulates breast cancer aggressiveness. Oncotarget, 2015, 6, 19087-19101.	1.8	70

#	Article	IF	Citations
19	HMGA1 promotes breast cancer angiogenesis supporting the stability, nuclear localization and transcriptional activity of FOXM1. Journal of Experimental and Clinical Cancer Research, 2019, 38, 313.	8.6	67
20	The Epithelialâ€“Mesenchymal Transition at the Crossroads between Metabolism and Tumor Progression. International Journal of Molecular Sciences, 2022, 23, 800.	4.1	59
21	Molecular Dissection of the Architectural Transcription Factor HMGA2. Biochemistry, 2003, 42, 4569-4577.	2.5	50
22	During Apoptosis of Tumor Cells HMGA1a Protein Undergoes Methylation:â€‰ Identification of the Modification Site by Mass Spectrometry. Biochemistry, 2003, 42, 3575-3585.	2.5	50
23	HMGA1 is a novel downstream nuclear target of the insulin receptor signaling pathway. Scientific Reports, 2012, 2, 251.	3.3	50
24	A Polypyrimidine/Polypurine Tract within the Hmga2 Minimal Promoter:â€‰ A Common Feature of Many Growth-Related Genes. Biochemistry, 2002, 41, 1229-1240.	2.5	49
25	Differential Expression of HMGA1 and HMGA2 in Dermatofibroma and Dermatofibrosarcoma Protuberans: Potential Diagnostic Applications, and Comparison with Histologic Findings, CD34, and Factor XIIIa Immunoreactivity. American Journal of Dermatopathology, 2004, 26, 267-272.	0.6	49
26	Discovering high mobility group A molecular partners in tumour cells. Proteomics, 2005, 5, 1494-1506.	2.2	48
27	A Link between Apoptosis and Degree of Phosphorylation of High Mobility Group A1a Protein in Leukemic Cells. Journal of Biological Chemistry, 2001, 276, 11354-11361.	3.4	47
28	The second AT-hook of the architectural transcription factor HMGA2 is determinant for nuclear localization and function. Nucleic Acids Research, 2007, 35, 1751-1760.	14.5	46
29	HEX expression and localization in normal mammary gland and breast carcinoma. BMC Cancer, 2006, 6, 192.	2.6	42
30	Translating Proteomic Into Functional Data: An High Mobility Group A1 (HMGA1) Proteomic Signature Has Prognostic Value in Breast Cancer. Molecular and Cellular Proteomics, 2016, 15, 109-123.	3.8	41
31	The Architectural Transcription Factor High Mobility Group I(Y) Participates in Photoreceptor-Specific Gene Expression. Journal of Neuroscience, 2000, 20, 7317-7324.	3.6	40
32	Transcriptional Regulation of Glucose Metabolism: The Emerging Role of the HMGA1 Chromatin Factor. Frontiers in Endocrinology, 2018, 9, 357.	3.5	40
33	Expression and Localization of the Homeodomain-Containing Protein HEX in Human Thyroid Tumors. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 1376-1383.	3.6	36
34	HMGA1 regulates the Plasminogen activation system in the secretome of breast cancer cells. Scientific Reports, 2017, 7, 11768.	3.3	36
35	Architecture of High Mobility Group Protein I-CÂ·DNA Complex and Its Perturbation upon Phosphorylation by Cdc2 Kinase. Journal of Biological Chemistry, 2000, 275, 1793-1801.	3.4	35
36	Macroscopic Differences in HMGA Oncoproteins Post-Translational Modifications: C-Terminal Phosphorylation of HMGA2 Affects Its DNA Binding Properties. Journal of Proteome Research, 2009, 8, 2978-2989.	3.7	35

#	Article	IF	Citations
37	HMGA1 protein is a positive regulator of the insulin-like growth factor-I receptor gene. European Journal of Cancer, 2010, 46, 1919-1926.	2.8	32
38	Inhibition of T7 RNA Polymerase Transcription by Phosphate and Phosphorothioate Triplex-Forming Oligonucleotides Targeted to a R . Y Site Downstream from the Promoter. FEBS Journal, 1994, 226, 831-839.	0.2	31
39	Interaction proteomics of the HMGA chromatin architectural factors. Proteomics, 2008, 8, 4721-4732.	2.2	29
40	Conformational Role for the C-Terminal Tail of the Intrinsically Disordered High Mobility Group A (HMGA) Chromatin Factors. Journal of Proteome Research, 2011, 10, 3283-3291.	3.7	28
41	Epithelialâ€“Mesenchymal Transition (EMT) 2021. International Journal of Molecular Sciences, 2022, 23, 5848.	4.1	28
42	Isolation and characterization of the gene coding for murine high-mobility-group protein HMGI-C. Gene, 1995, 167, 249-253.	2.2	24
43	The High Mobility Group A1 (HMGA1) Chromatin Architectural Factor Modulates Nuclear Stiffness in Breast Cancer Cells. International Journal of Molecular Sciences, 2019, 20, 2733.	4.1	24
44	High Mobility Group I Proteins Interfere with the Homeodomains Binding to DNA. Journal of Biological Chemistry, 1997, 272, 29904-29910.	3.4	23
45	Hmga2 is required for neural crest cell specification in Xenopus laevis. Developmental Biology, 2016, 411, 25-37.	2.0	23
46	HMGA1 Modulates Gene Transcription Sustaining a Tumor Signalling Pathway Acting on the Epigenetic Status of Triple-Negative Breast Cancer Cells. Cancers, 2019, 11, 1105.	3.7	23
47	The expression of the high-mobility group A2 protein in colorectal cancer and surrounding fibroblasts is linked to tumor invasiveness. Human Pathology, 2013, 44, 122-132.	2.0	22
48	Semaphorin-7A on Exosomes: A Promigratory Signal in the Glioma Microenvironment. Cancers, 2019, 11, 758.	3.7	22
49	Intranuclear Distribution of HMGI/Y Proteins: An Immunocytochemical Study. Journal of Histochemistry and Cytochemistry, 1998, 46, 863-864.	2.5	21
50	Derepression of HMGA2 Gene Expression in Retinoblastoma Is Associated with Cell Proliferation. Molecular Medicine, 2003, 9, 154-165.	4.4	21
51	Malignant Ectomesenchymoma: Genetic Profile Reflects Rhabdomyosarcomatous Differentiation. Diagnostic Molecular Pathology, 2007, 16, 243-248.	2.1	19
52	HMGA2 Antisense Long Non-coding RNAs as New Players in the Regulation of HMGA2 Expression and Pancreatic Cancer Promotion. Frontiers in Oncology, 2019, 9, 1526.	2.8	19
53	The HMGA gene family in chordates: evolutionary perspectives from amphioxus. Development Genes and Evolution, 2017, 227, 201-211.	0.9	18
54	Sp1 and CTF/NF-1 Transcription Factors Are Involved in the Basal Expression of the Hmgi-c Proximal Promoter. Biochemical and Biophysical Research Communications, 1999, 265, 439-447.	2.1	16

#	Article	IF	Citations
55	Expression of High Mobility Group A2 Protein in Retinoblastoma and its Association With Clinicopathologic Features. Journal of Pediatric Hematology/Oncology, 2009, 31, 209-214.	0.6	16
56	HMGA Interactome: New Insights from Phage Display Technology. Biochemistry, 2011, 50, 3462-3468.	2.5	16
57	A novel mechanism of post-translational modulation of HMGA functions by the histone chaperone nucleophosmin. Scientific Reports, 2015, 5, 8552.	3.3	16
58	Derepression of HMGA2 gene expression in retinoblastoma is associated with cell proliferation. Molecular Medicine, 2003, 9, 1.	4.4	16
59	A simple discontinuous buffer system for increased resolution and speed in gel electrophoretic analysis of DNA sequence. Nucleic Acids Research, 1990, 18, 204-204.	14.5	15
60	HMGA proteins in malignant peripheral nerve sheath tumor and synovial sarcoma: preferential expression of HMGA2 in malignant peripheral nerve sheath tumor. Modern Pathology, 2005, 18, 1519-1526.	5.5	14
61	A novel downstream positive regulatory element mediating transcription of the human high mobility group (HMG) I-C gene. FEBS Letters, 1999, 457, 429-436.	2.8	13
62	IFN-Â gene expression is controlled by the architectural transcription factor HMGA1. International Immunology, 2005, 17, 297-306.	4.0	13
63	The Architectural Chromatin Factor High Mobility Group A1 Enhances DNA Ligase IV Activity Influencing DNA Repair. PLoS ONE, 2016, 11, e0164258.	2.5	13
64	The binding landscape of a partially-selective isopeptidase inhibitor with potent pro-death activity, based on the bis(arylidene)cyclohexanone scaffold. Cell Death and Disease, 2018, 9, 184.	6.3	13
65	Gene network analysis using SWIM reveals interplay between the transcription factorâ€encoding genes HMGA1, FOXM1, and MYBL2 in tripleâ€negative breast cancer. FEBS Letters, 2021, 595, 1569-1586.	2.8	12
66	DNA binding of NF-Y: the effect of HMGI proteins depends upon the CCAAT box. FEBS Letters, 1998, 433, 174-178.	2.8	11
67	A Precursor-product Relationship in Molluscan Sperm Proteins from Ensis minor. FEBS Journal, 1995, 233, 744-749.	0.2	10
68	Identification and Characterization of New Molecular Partners for the Protein Arginine Methyltransferase 6 (PRMT6). PLoS ONE, 2013, 8, e53750.	2.5	9
69	Editorial: Hormone Receptors and Breast Cancer. Frontiers in Endocrinology, 2019, 10, 205.	3.5	8
70	Targeting the intrinsically disordered architectural High Mobility Group A (HMGA) oncoproteins in breast cancer: learning from the past to design future strategies. Expert Opinion on Therapeutic Targets, 2020, 24, 953-969.	3.4	7
71	Therapeutic potential of parkin as a tumor suppressor via transcriptional control of cyclins in glioblastoma cell and animal models. Theranostics, 2021, 11, 10047-10063.	10.0	7
72	High Mobility Group A (HMGA): Chromatin Nodes Controlled by a Knotty miRNA Network. International Journal of Molecular Sciences, 2020, 21, 717.	4.1	6

#	Article	IF	Citations
73	Hmga2 promoter analysis in transgenic mice. Biochemical and Biophysical Research Communications, 2003, 309, 718-723.	2.1	5
74	Heterogeneity of triple-negative breast cancer: understanding the Daedalian labyrinth and how it could reveal new drug targets. Expert Opinion on Therapeutic Targets, 2022, 26, 557-573.	3.4	5
75	Identification and developmental expression of Xenopus hmga2Î². Biochemical and Biophysical Research Communications, 2006, 351, 392-397.	2.1	4
76	Differential HMGA expression and post-translational modifications in prostatic tumor cells. International Journal of Oncology, 2005, 26, 515.	3.3	3
77	Expression and Functional Characterization of Xhmg-at-hook Genes in Xenopus laevis. PLoS ONE, 2013, 8, e69866.	2.5	3
78	HMGA1 positively regulates the microtubule-destabilizing protein stathmin promoting motility in TNBC cells and decreasing tumour sensitivity to paclitaxel. Cell Death and Disease, 2022, 13, 429.	6.3	2
79	Identification of four different subunits in the haemocyanin of the mantis shrimp,Squilla mantis(Crustacea, Stomatopoda). Bollettino Di Zoologia, 1985, 52, 239-242.	0.3	1