

Luca Magnani

List of Publications by Year in descending order

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74
papers

3,309
citations

126907

33
h-index

161849

54
g-index

95
all docs

95
docs citations

95
times ranked

6502
citing authors

#	ARTICLE	IF	CITATIONS
1	Poised epigenetic states and acquired drug resistance in cancer. <i>Nature Reviews Cancer</i> , 2014, 14, 747-753.	28.4	252
2	PBX1 Genomic Pioneer Function Drives ER \pm Signaling Underlying Progression in Breast Cancer. <i>PLoS Genetics</i> , 2011, 7, e1002368.	3.5	167
3	Genome-wide reprogramming of the chromatin landscape underlies endocrine therapy resistance in breast cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E1490-9.	7.1	149
4	Pioneer factors: directing transcriptional regulators within the chromatin environment. <i>Trends in Genetics</i> , 2011, 27, 465-474.	6.7	138
5	Genomic modelling of the ESR1 Y537S mutation for evaluating function and new therapeutic approaches for metastatic breast cancer. <i>Oncogene</i> , 2017, 36, 2286-2296.	5.9	135
6	Dickkopf-3 links HSF1 and YAP/TAZ signalling to control aggressive behaviours in cancer-associated fibroblasts. <i>Nature Communications</i> , 2019, 10, 130.	12.8	116
7	Differential epigenetic reprogramming in response to specific endocrine therapies promotes cholesterol biosynthesis and cellular invasion. <i>Nature Communications</i> , 2015, 6, 10044.	12.8	108
8	APOBEC3B-Mediated Cytidine Deamination Is Required for Estrogen Receptor Action in Breast Cancer. <i>Cell Reports</i> , 2015, 13, 108-121.	6.4	105
9	Small extracellular vesicles deliver miR ϵ 21 and miR ϵ 217 as pro ϵ senescence effectors to endothelial cells. <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1725285.	12.2	104
10	TGF- β 2 induces miR-100 and miR-125b but blocks let-7a through LIN28B controlling PDAC progression. <i>Nature Communications</i> , 2018, 9, 1845.	12.8	101
11	Enhancer mapping uncovers phenotypic heterogeneity and evolution in patients with luminal breast cancer. <i>Nature Medicine</i> , 2018, 24, 1469-1480.	30.7	98
12	FOXM1 modulates 5-FU resistance in colorectal cancer through regulating TYMS expression. <i>Scientific Reports</i> , 2019, 9, 1505.	3.3	96
13	Spearhead Nanometric Field-Effect Transistor Sensors for Single-Cell Analysis. <i>ACS Nano</i> , 2016, 10, 3214-3221.	14.6	95
14	Single-cell transcriptomics reveals multi-step adaptations to endocrine therapy. <i>Nature Communications</i> , 2019, 10, 3840.	12.8	93
15	Guidelines for the selection of functional assays to evaluate the hallmarks of cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 300-319.	7.4	89
16	Exploiting evolutionary steering to induce collateral drug sensitivity in cancer. <i>Nature Communications</i> , 2020, 11, 1923.	12.8	79
17	Acquired CYP19A1 amplification is an early specific mechanism of aromatase inhibitor resistance in ER \pm metastatic breast cancer. <i>Nature Genetics</i> , 2017, 49, 444-450.	21.4	77
18	GMTR: Two-dimensional geo-fit multitarget retrieval model for Michelson Interferometer for Passive Atmospheric Sounding/Environmental Satellite observations. <i>Applied Optics</i> , 2006, 45, 716.	2.1	67

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19	Nicastrin and Notch4 drive endocrine therapy resistance and epithelial to mesenchymal transition in MCF7 breast cancer cells. <i>Breast Cancer Research</i> , 2014, 16, R62.	5.0	66
20	Expression of CDK7, Cyclin H, and MAT1 Is Elevated in Breast Cancer and Is Prognostic in Estrogen Receptor-Positive Breast Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 5929-5938.	7.0	66
21	High-resolution label-free 3D mapping of extracellular pH of single living cells. <i>Nature Communications</i> , 2019, 10, 5610.	12.8	62
22	Brg1 Is Required for Cdx2-Mediated Repression of Oct4 Expression in Mouse Blastocysts. <i>PLoS ONE</i> , 2010, 5, e10622.	2.5	53
23	Chromatin and epigenetic determinants of estrogen receptor alpha (ESR1) signaling. <i>Molecular and Cellular Endocrinology</i> , 2014, 382, 633-641.	3.2	53
24	In vitro and in vivo derived porcine embryos possess similar, but not identical, patterns of Oct4, Nanog, and Sox2 mRNA expression during cleavage development. <i>Molecular Reproduction and Development</i> , 2008, 75, 1726-1735.	2.0	52
25	First results of MIPAS/ENVISAT with operational Level 2 code. <i>Advances in Space Research</i> , 2004, 33, 1012-1019.	2.6	51
26	LRH-1 Governs Vital Transcriptional Programs in Endocrine-Sensitive and -Resistant Breast Cancer Cells. <i>Cancer Research</i> , 2014, 74, 2015-2025.	0.9	48
27	The MIPAS2D database of MIPAS/ENVISAT measurements retrieved with a multi-target 2-dimensional tomographic approach. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 355-374.	3.1	46
28	The pioneer factor PBX1 is a novel driver of metastatic progression in ER±-positive breast cancer. <i>Oncotarget</i> , 2015, 6, 21878-21891.	1.8	45
29	Differential remodeling of mono- and trimethylated H3K27 during porcine embryo development. <i>Molecular Reproduction and Development</i> , 2009, 76, 1033-1042.	2.0	43
30	SREBP1 drives Keratin-80-dependent cytoskeletal changes and invasive behavior in endocrine-resistant ER± breast cancer. <i>Nature Communications</i> , 2019, 10, 2115.	12.8	42
31	Identification of PBX1 Target Genes in Cancer Cells by Global Mapping of PBX1 Binding Sites. <i>PLoS ONE</i> , 2012, 7, e36054.	2.5	40
32	Nuclear receptors and chromatin: an inducible couple. <i>Journal of Molecular Endocrinology</i> , 2014, 52, R137-R149.	2.5	36
33	KPNA7, an oocyte- and embryo-specific karyopherin subtype, is required for porcine embryo development. <i>Reproduction, Fertility and Development</i> , 2012, 24, 382.	0.4	35
34	MARC: A code for the retrieval of atmospheric parameters from millimeter-wave limb measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 105, 476-491.	2.3	33
35	DMXL2 drives epithelial to mesenchymal transition in hormonal therapy resistant breast cancer through notch hyper-activation. <i>Oncotarget</i> , 2015, 6, 22467-22479.	1.8	33
36	Multi-target retrieval (MTR): the simultaneous retrieval of pressure, temperature and volume mixing ratio profiles from limb-scanning atmospheric measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2004, 84, 141-157.	2.3	32

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37	Extensive and systematic rewiring of histone post-translational modifications in cancer model systems. <i>Nucleic Acids Research</i> , 2018, 46, 3817-3832.	14.5	31
38	Mapping the breast cancer metastatic cascade onto ctDNA using genetic and epigenetic clonal tracking. <i>Nature Communications</i> , 2020, 11, 1446.	12.8	28
39	Molecular Insights of Pathways Resulting from Two Common PIK3CA Mutations in Breast Cancer. <i>Cancer Research</i> , 2016, 76, 3989-4001.	0.9	27
40	The transcriptional co-repressor TLE3 suppresses basal signaling on a subset of estrogen receptor $\hat{\pm}$ target genes. <i>Nucleic Acids Research</i> , 2014, 42, 11339-11348.	14.5	26
41	Expression of eukaryotic elongation initiation factor 1A differentially marks zygotic genome activation in biparental and parthenogenetic porcine embryos and correlates with in vitro developmental potential. <i>Reproduction, Fertility and Development</i> , 2008, 20, 818.	0.4	23
42	Manipulation of SMARCA2 and SMARCA4 transcript levels in porcine embryos differentially alters development and expression of SMARCA1, SOX2, NANOG, and EIF1. <i>Reproduction</i> , 2009, 137, 23-33.	2.6	21
43	LMTK3 Represses Tumor Suppressor-like Genes through Chromatin Remodeling in Breast Cancer. <i>Cell Reports</i> , 2015, 12, 837-849.	6.4	21
44	MIPAS-ENVISAT limb-sounding measurements: trade-off study for improvement of horizontal resolution. <i>Applied Optics</i> , 2004, 43, 5814.	2.1	19
45	Gene expression and development of early pig embryos produced by serial nuclear transfer. <i>Molecular Reproduction and Development</i> , 2009, 76, 555-563.	2.0	19
46	ChIP-BIT: Bayesian inference of target genes using a novel joint probabilistic model of ChIP-seq profiles. <i>Nucleic Acids Research</i> , 2016, 44, e65-e65.	14.5	15
47	The many faces of cancer evolution. <i>IScience</i> , 2021, 24, 102403.	4.1	15
48	Systems medicine dissection of chr1q-amp reveals a novel PBX1-FOXM1 axis for targeted therapy in multiple myeloma. <i>Blood</i> , 2022, 139, 1939-1953.	1.4	15
49	Chromatin landscape and endocrine response in breast cancer. <i>Epigenomics</i> , 2012, 4, 675-683.	2.1	14
50	Two-dimensional sensitivity analysis of MIPAS observations. <i>Optics Express</i> , 2009, 17, 5340.	3.4	12
51	Sex-related Differences in Systemic Sclerosis: A Multicenter Cross-sectional Study From the National Registry of the Italian Society for Rheumatology. <i>Journal of Rheumatology</i> , 2022, 49, 176-185.	2.0	12
52	Developmental arrest induced in cleavage stage porcine embryos following microinjection of mRNA encoding Brahma (Smarca 2), a chromatin remodeling protein. <i>Molecular Reproduction and Development</i> , 2007, 74, 1262-1267.	2.0	11
53	Global H3K9 dimethylation status is not affected by transcription, translation, or DNA replication in porcine zygotes. <i>Molecular Reproduction and Development</i> , 2010, 77, 420-429.	2.0	10
54	Time-Resolved Profiling Reveals ATF3 as a Novel Mediator of Endocrine Resistance in Breast Cancer. <i>Cancers</i> , 2020, 12, 2918.	3.7	10

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55	Developmental capacity of porcine nuclear transfer embryos correlate with levels of chromatin remodeling transcripts in donor cells. <i>Molecular Reproduction and Development</i> , 2008, 75, 766-776.	2.0	7
56	ChIPing away at breast cancer. <i>Lancet Oncology</i> , The, 2012, 13, 1185-1187.	10.7	5
57	Citelman syndrome associated with chondrocalcinosis and severe neuropathy: a novel heterozygous mutation in SLC12A3 gene. <i>Reumatismo</i> , 2020, 72, 67-70.	0.9	5
58	Level 2 near-real-time analysis of MIPAS measurements on ENVISAT. , 2003, , .		4
59	Management of Systemic Sclerosis Patients in the COVID-19 Era: The Experience of an Expert Specialist Reference Center. <i>Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine</i> , 2021, 15, 117954842110013.	0.9	4
60	Anticancer innovative therapy congress: Highlights from the 10th anniversary edition. <i>Cytokine and Growth Factor Reviews</i> , 2021, 59, 1-8.	7.2	4
61	Going off the grid: ER± breast cancer beyond estradiol. <i>Journal of Molecular Endocrinology</i> , 2016, 57, F1-F5.	2.5	2
62	Chromatin Immunoprecipitation and High-Throughput Sequencing (ChIP-Seq): Tips and Tricks Regarding the Laboratory Protocol and Initial Downstream Data Analysis. <i>Methods in Molecular Biology</i> , 2018, 1767, 271-288.	0.9	2
63	Abstract PD8-04: Ultra-deep multigene profiling of matched primary and metastatic hormone receptor positive breast cancer patients relapsed after adjuvant endocrine treatment reveals novel aberrations in the estrogen receptor pathway. , 2020, , .		1
64	Geo-fit approach to the analysis of limb-scanning satellite measurements. , 2002, 4539, 369.		0
65	Stem Cells in Translational Cancer Research. <i>Stem Cells International</i> , 2015, 2015, 1-2.	2.5	0
66	Histone Posttranslational Modifications in Breast Cancer and Their Use in Clinical Diagnosis and Prognosis. , 2016, , 467-477.		0
67	Fundamental Pathways in Breast Cancer 3: Estrogen Biology. , 2017, , 19-26.		0
68	GeDi: applying suffix arrays to increase the repertoire of detectable SNVs in tumour genomes. <i>BMC Bioinformatics</i> , 2020, 21, 45.	2.6	0
69	Abstract LB-220: Forkhead box transcription factor M1 (FOXM1) plays a critical role in colorectal cancer resistance by regulating thymidylate synthase (TS). , 2014, , .		0
70	Chromatin and Epigenetic Determinants of Resistance to Aromatase Inhibitors. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2015, , 145-168.	0.1	0
71	Abstract A54: Inhibition of FOXM1 by thiostrepton increases sensitivity to 5-fluorouracil (5-FU) by downregulating thymidylate synthase (TS) in colorectal cancer. , 2015, , .		0
72	Abstract P3-05-15: Divergent activation of AKT1 and AKT2 isoforms downstream of PI3K mutation impacts response of breast cancer cells to estradiol and PI3K inhibitors. , 2015, , .		0

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73	PBX1 Co-Operates with FOXM1 to Regulate Myeloma Cell Proliferation and to Define an Ultra High-Risk chr1q Gain Myeloma Patient Subgroup. <i>Blood</i> , 2019, 134, 3760-3760.	1.4	0
74	Abstract P5-06-04: A multi-omics approach to study the host-microbiota interaction in breast cancer tissue. <i>Cancer Research</i> , 2022, 82, P5-06-04-P5-06-04.	0.9	0