

Luciano G Martelotto

List of Publications by Year in descending order

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59
papers

3,723
citations

126907
33
h-index

149698
56
g-index

88
all docs

88
docs citations

88
times ranked

6637
citing authors

#	ARTICLE	IF	CITATIONS
1	Breast cancer intra-tumor heterogeneity. Breast Cancer Research, 2014, 16, 210.	5.0	256
2	A crucial requirement for Hedgehog signaling in small cell lung cancer. Nature Medicine, 2011, 17, 1504-1508.	30.7	224
3	Diverse <i>BRCA1</i> and <i>BRCA2</i> Reversion Mutations in Circulating Cell-Free DNA of Therapy-Resistant Breast or Ovarian Cancer. Clinical Cancer Research, 2017, 23, 6708-6720.	7.0	194
4	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. Nature Genetics, 2014, 46, 1166-1169.	21.4	188
5	Hedgehog Overexpression Is Associated with Stromal Interactions and Predicts for Poor Outcome in Breast Cancer. Cancer Research, 2011, 71, 4002-4014.	0.9	149
6	An approach to suppress the evolution of resistance in BRAFV600E-mutant cancer. Nature Medicine, 2017, 23, 929-937.	30.7	146
7	Genomic landscape of adenoid cystic carcinoma of the breast. Journal of Pathology, 2015, 237, 179-189.	4.5	133
8	ReprogrammingÂroadmap reveals route toÂhuman induced trophoblast stem cells. Nature, 2020, 586, 101-107.	27.8	131
9	The Genomic Landscape of Male Breast Cancers. Clinical Cancer Research, 2016, 22, 4045-4056.	7.0	119
10	Benchmarking mutation effect prediction algorithms using functionally validated cancer-related missense mutations. Genome Biology, 2014, 15, 484.	8.8	117
11	Whole-genome single-cell copy number profiling from formalin-fixed paraffin-embedded samples. Nature Medicine, 2017, 23, 376-385.	30.7	111
12	Intra-tumor genetic heterogeneity and alternative driver genetic alterations in breast cancers with heterogeneous HER2 gene amplification. Genome Biology, 2015, 16, 107.	8.8	109
13	Recurrent hotspot mutations in HRAS Q61 and PI3K-AKT pathway genes as drivers of breast adenomyoepitheliomas. Nature Communications, 2018, 9, 1816.	12.8	105
14	Massively parallel sequencing of phyllodes tumours of the breast reveals actionable mutations, and <i>TERT</i> promoter hotspot mutations and <i>TERT</i> gene amplification as likely drivers of progression. Journal of Pathology, 2016, 238, 508-518.	4.5	102
15	<i>IDH2</i> Mutations Define a Unique Subtype of Breast Cancer with Altered Nuclear Polarity. Cancer Research, 2016, 76, 7118-7129.	0.9	99
16	Uterine adenosarcomas are mesenchymal neoplasms. Journal of Pathology, 2016, 238, 381-388.	4.5	94
17	TP53 Mutational Spectrum in Endometrioid and Serous Endometrial Cancers. International Journal of Gynecological Pathology, 2016, 35, 289-300.	1.4	89
18	<i>MED12</i> somatic mutations in fibroadenomas and phyllodes tumours of the breast. Histopathology, 2015, 67, 719-729.	2.9	78

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19	<i>MYBL1</i> rearrangements and <i>MYB</i> amplification in breast adenoid cystic carcinomas lacking the <i>MYB</i> – <i>NFIB</i> fusion gene. <i>Journal of Pathology</i> , 2018, 244, 143-150.	4.5	74
20	The intrahepatic signalling niche of hedgehog is defined by primary cilia positive cells during chronic liver injury. <i>Journal of Hepatology</i> , 2014, 60, 143-151.	3.7	71
21	Genetic events in the progression of adenoid cystic carcinoma of the breast to high-grade triple-negative breast cancer. <i>Modern Pathology</i> , 2016, 29, 1292-1305.	5.5	68
22	Gene expression analysis at the onset of aposporous apomixis in <i>Paspalum notatum</i> . <i>Plant Molecular Biology</i> , 2008, 67, 615-628.	3.9	63
23	Genomic and transcriptomic heterogeneity in metaplastic carcinomas of the breast. <i>Npj Breast Cancer</i> , 2017, 3, 48.	5.2	63
24	CDK4/6 Inhibition Promotes Antitumor Immunity through the Induction of T-cell Memory. <i>Cancer Discovery</i> , 2021, 11, 2582-2601.	9.4	62
25	The repertoire of somatic genetic alterations of acinic cell carcinomas of the breast: an exploratory, hypothesis-generating study. <i>Journal of Pathology</i> , 2015, 237, 166-178.	4.5	53
26	Genome rearrangements derived from autopolyploidization in <i>Paspalum</i> sp.. <i>Plant Science</i> , 2007, 172, 970-977.	3.6	52
27	Expressed sequence tag analysis and development of gene associated markers in a near-isogenic plant system of <i>Eragrostis curvula</i> . <i>Plant Molecular Biology</i> , 2008, 67, 1-10.	3.9	51
28	Mechanisms of Hedgehog signalling in cancer. <i>Growth Factors</i> , 2011, 29, 221-234.	1.7	50
29	Integrative genomic and transcriptomic characterization of papillary carcinomas of the breast. <i>Molecular Oncology</i> , 2014, 8, 1588-1602.	4.6	49
30	A comprehensive analysis of gene expression alterations in a newly synthesized <i>Paspalum notatum</i> autotetraploid. <i>Plant Science</i> , 2005, 169, 211-220.	3.6	46
31	SUGAR-seq enables simultaneous detection of glycans, epitopes, and the transcriptome in single cells. <i>Science Advances</i> , 2021, 7, .	10.3	46
32	Bi-allelic alterations in DNA repair genes underpin homologous recombination DNA repair defects in breast cancer. <i>Journal of Pathology</i> , 2017, 242, 165-177.	4.5	43
33	Expression of Androgen Receptor Splice Variant 7 or 9 in Whole Blood Does Not Predict Response to Androgen-Axis-targeting Agents in Metastatic Castration-resistant Prostate Cancer. <i>European Urology</i> , 2018, 73, 818-821.	1.9	35
34	Purification and biological characterization of N-acetyl-D-glucosaminidase from <i>Bufo arenarum</i> spermatozoa. <i>Molecular Reproduction and Development</i> , 2000, 57, 194-203.	2.0	33
35	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	32
36	Next-Generation Sequence Analysis of Cancer Xenograft Models. <i>PLoS ONE</i> , 2013, 8, e74432.	2.5	30

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37	A P53-Independent DNA Damage Response Suppresses Oncogenic Proliferation and Genome Instability. <i>Cell Reports</i> , 2020, 30, 1385-1399.e7.	6.4	29
38	Genome polymorphisms and gene differential expression in a “back-and-forth” ploidy-altered series of weeping lovegrass (<i>Eragrostis curvula</i>). <i>Journal of Plant Physiology</i> , 2007, 164, 1051-1061.	3.5	28
39	Characterization of a novel inhibitory feedback of the anti-anti-sigma SpoIIAA on Spo0A activation during development in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2003, 47, 1251-1263.	2.5	27
40	Interaction of smoothened with integrin-linked kinase in primary cilia mediates Hedgehog signalling. <i>EMBO Reports</i> , 2013, 14, 837-844.	4.5	23
41	Lack of <i>PRKD2</i> and <i>PRKD3</i> kinase domain somatic mutations in wild-type classic polymorphous low-grade adenocarcinomas of the salivary gland. <i>Histopathology</i> , 2016, 68, 1055-1062.	2.9	23
42	Generation of conditional oncogenic chromosomal translocations using CRISPR-Cas9 genomic editing and homology-directed repair. <i>Journal of Pathology</i> , 2017, 242, 102-112.	4.5	23
43	Single-Cell Applications of Next-Generation Sequencing. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019, 9, a026898.	6.2	23
44	Resolving quandaries: basaloid adenoid cystic carcinoma or breast cylindroma? The role of massively parallel sequencing. <i>Histopathology</i> , 2016, 68, 262-271.	2.9	22
45	CD8 ⁺ T Cells in Merkel Cell Carcinomas Have a Proinflammatory Profile Prognostic of Patient Survival. <i>Cancer Immunology Research</i> , 2021, 9, 612-623.	3.4	22
46	Antigen-driven EGR2 expression is required for exhausted CD8 ⁺ T cell stability and maintenance. <i>Nature Communications</i> , 2021, 12, 2782.	12.8	20
47	Aberrant expression and regulation of NR2F2 and CTNNB1 in uterine fibroids. <i>Reproduction</i> , 2013, 146, 91-102.	2.6	19
48	Visualizing renal primary cilia. <i>Nephrology</i> , 2013, 18, 161-168.	1.6	14
49	Re-Programming Photosynthetic Cells of Perennial Ryegrass (<i>Lolium perenne</i> L) for Fructan Biosynthesis through Transgenic Expression of Fructan Biosynthetic Genes under the Control of Photosynthetic Promoters. <i>Agronomy</i> , 2017, 7, 36.	3.0	14
50	Combined BRAF, MEK, and CDK4/6 Inhibition Depletes Intratumoral Immune-Potentiating Myeloid Populations in Melanoma. <i>Cancer Immunology Research</i> , 2021, 9, 136-146.	3.4	12
51	Prevalence and potential biological role of <i>TERT</i> amplifications in <i>ALK</i> translocated adenocarcinoma of the lung. <i>Histopathology</i> , 2021, 78, 578-585.	2.9	8
52	Widespread GLI expression but limited canonical hedgehog signaling restricted to the ductular reaction in human chronic liver disease. <i>PLoS ONE</i> , 2017, 12, e0171480.	2.5	8
53	Analytical validation of an error-corrected ultra-sensitive ctDNA next-generation sequencing assay. <i>BioTechniques</i> , 2020, 69, 133-140.	1.8	4
54	Renal epithelial cells retain primary cilia during human acute renal allograft rejection injury. <i>BMC Research Notes</i> , 2019, 12, 718.	1.4	3

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55	Genomic Cytometry and New Modalities for Deep Single-Cell Interrogation. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 1007-1016.	1.5	2
56	Same-Cell Co-Occurrence of RAS Hotspot and BRAF V600E Mutations in Treatment-Naive Colorectal Cancer. JCO Precision Oncology, 2022, 6, e2100365.	3.0	1
57	Isolating Nuclei From Frozen Human Heart Tissue for Single-Nucleus RNA Sequencing. Current Protocols, 2022, 2, .	2.9	1
58	Genomic Applications in Gynecologic Malignancies. , 2015, , 465-487.		0
59	Abstract 3318: Using synthetic lethal screening to identify therapeutic targets for innately platinum resistant lung cancer. , 2014, , .		0