

Luciano G Martelotto

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

2,626
citations

31
h-index

51
g-index

88
ext. papers

3,252
ext. citations

11.5
avg, IF

4.31
L-index

#	Paper	IF	Citations
59	Breast cancer intra-tumor heterogeneity. <i>Breast Cancer Research</i> , 2014 , 16, 210	8.3	188
58	A crucial requirement for Hedgehog signaling in small cell lung cancer. <i>Nature Medicine</i> , 2011 , 17, 1504-8	50.5	188
57	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. <i>Nature Genetics</i> , 2014 , 46, 1166-9	36.3	150
56	Diverse and Reversion Mutations in Circulating Cell-Free DNA of Therapy-Resistant Breast or Ovarian Cancer. <i>Clinical Cancer Research</i> , 2017 , 23, 6708-6720	12.9	132
55	Hedgehog overexpression is associated with stromal interactions and predicts for poor outcome in breast cancer. <i>Cancer Research</i> , 2011 , 71, 4002-14	10.1	122
54	Genomic landscape of adenoid cystic carcinoma of the breast. <i>Journal of Pathology</i> , 2015 , 237, 179-89	9.4	101
53	Benchmarking mutation effect prediction algorithms using functionally validated cancer-related missense mutations. <i>Genome Biology</i> , 2014 , 15, 484	18.3	95
52	An approach to suppress the evolution of resistance in BRAF-mutant cancer. <i>Nature Medicine</i> , 2017 , 23, 929-937	50.5	94
51	The Genomic Landscape of Male Breast Cancers. <i>Clinical Cancer Research</i> , 2016 , 22, 4045-56	12.9	85
50	Intra-tumor genetic heterogeneity and alternative driver genetic alterations in breast cancers with heterogeneous HER2 gene amplification. <i>Genome Biology</i> , 2015 , 16, 107	18.3	83
49	Whole-genome single-cell copy number profiling from formalin-fixed paraffin-embedded samples. <i>Nature Medicine</i> , 2017 , 23, 376-385	50.5	82
48	Recurrent hotspot mutations in HRAS Q61 and PI3K-AKT pathway genes as drivers of breast adenomyoepitheliomas. <i>Nature Communications</i> , 2018 , 9, 1816	17.4	82
47	Massively parallel sequencing of phyllodes tumours of the breast reveals actionable mutations, and TERT promoter hotspot mutations and TERT gene amplification as likely drivers of progression. <i>Journal of Pathology</i> , 2016 , 238, 508-18	9.4	80
46	Uterine adenosarcomas are mesenchymal neoplasms. <i>Journal of Pathology</i> , 2016 , 238, 381-8	9.4	70
45	IDH2 Mutations Define a Unique Subtype of Breast Cancer with Altered Nuclear Polarity. <i>Cancer Research</i> , 2016 , 76, 7118-7129	10.1	70
44	MED12 somatic mutations in fibroadenomas and phyllodes tumours of the breast. <i>Histopathology</i> , 2015 , 67, 719-29	7.3	68
43	The intrahepatic signalling niche of hedgehog is defined by primary cilia positive cells during chronic liver injury. <i>Journal of Hepatology</i> , 2014 , 60, 143-51	13.4	60

42	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	9.8	52
41	TP53 Mutational Spectrum in Endometrioid and Serous Endometrial Cancers. <i>International Journal of Gynecological Pathology</i> , 2016 , 35, 289-300	3.2	51
40	Gene expression analysis at the onset of aposporous apomixis in <i>Paspalum notatum</i> . <i>Plant Molecular Biology</i> , 2008 , 67, 615-28	4.6	46
39	MYBL1 rearrangements and MYB amplification in breast adenoid cystic carcinomas lacking the MYB-NFIB fusion gene. <i>Journal of Pathology</i> , 2018 , 244, 143-150	9.4	46
38	Genome rearrangements derived from autopolyploidization in <i>Paspalum</i> sp.. <i>Plant Science</i> , 2007 , 172, 970-977	5.3	43
37	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, 166-78	9.4	42
36	A comprehensive analysis of gene expression alterations in a newly synthesized <i>Paspalum notatum</i> autotetraploid. <i>Plant Science</i> , 2005 , 169, 211-220	5.3	41
35	Mechanisms of Hedgehog signalling in cancer. <i>Growth Factors</i> , 2011 , 29, 221-34	1.6	40
34	Integrative genomic and transcriptomic characterization of papillary carcinomas of the breast. <i>Molecular Oncology</i> , 2014 , 8, 1588-602	7.9	38
33	Genomic and transcriptomic heterogeneity in metaplastic carcinomas of the breast. <i>Npj Breast Cancer</i> , 2017 , 3, 48	7.8	38
32	Reprogramming roadmap reveals route to human induced trophoblast stem cells. <i>Nature</i> , 2020 , 586, 101-107	50.4	38
31	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	9.4	35
30	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	4.6	31
29	Purification and biological characterization of N-acetyl beta-D glucosaminidase from <i>Bufo arenarum</i> spermatozoa. <i>Molecular Reproduction and Development</i> , 2000 , 57, 194-203	2.6	31
28	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, 1251-63	4.1	26
27	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	10.2	25
26	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	23
25	Next-generation sequence analysis of cancer xenograft models. <i>PLoS ONE</i> , 2013 , 8, e74432	3.7	23

24	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, 1051-61	3.6	22
23	Interaction of smoothed with integrin-linked kinase in primary cilia mediates Hedgehog signalling. <i>EMBO Reports</i> , 2013 , 14, 837-44	6.5	21
22	Lack of PRKD2 and PRKD3 kinase domain somatic mutations in PRKD1 wild-type classic polymorphous low-grade adenocarcinomas of the salivary gland. <i>Histopathology</i> , 2016 , 68, 1055-62	7.3	21
21	Generation of conditional oncogenic chromosomal translocations using CRISPR-Cas9 genomic editing and homology-directed repair. <i>Journal of Pathology</i> , 2017 , 242, 102-112	9.4	18
20	Resolving quandaries: basaloid adenoid cystic carcinoma or breast cylindroma? The role of massively parallel sequencing. <i>Histopathology</i> , 2016 , 68, 262-71	7.3	16
19	SUGAR-seq enables simultaneous detection of glycans, epitopes, and the transcriptome in single cells. <i>Science Advances</i> , 2021 , 7,	14.3	13
18	Aberrant expression and regulation of NR2F2 and CTNNB1 in uterine fibroids. <i>Reproduction</i> , 2013 , 146, 91-102	3.8	12
17	CDK4/6 Inhibition Promotes Antitumor Immunity through the Induction of T-cell Memory. <i>Cancer Discovery</i> , 2021 , 11, 2582-2601	24.4	12
16	A P53-Independent DNA Damage Response Suppresses Oncogenic Proliferation and Genome Instability. <i>Cell Reports</i> , 2020 , 30, 1385-1399.e7	10.6	11
15	Visualizing renal primary cilia. <i>Nephrology</i> , 2013 , 18, 161-8	2.2	10
14	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	3.6	10
13	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	3.7	7
12	Combined BRAF, MEK, and CDK4/6 Inhibition Depletes Intratumoral Immune-Potentiating Myeloid Populations in Melanoma. <i>Cancer Immunology Research</i> , 2021 , 9, 136-146	12.5	7
11	Single-Cell Applications of Next-Generation Sequencing. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019 , 9,	5.4	5
10	Antigen-driven EGR2 expression is required for exhausted CD8 T cell stability and maintenance. <i>Nature Communications</i> , 2021 , 12, 2782	17.4	4
9	Analytical validation of an error-corrected ultra-sensitive ctDNA next-generation sequencing assay. <i>BioTechniques</i> , 2020 , 69, 133-140	2.5	3
8	⌊ Cells in Merkel Cell Carcinomas Have a Proinflammatory Profile Prognostic of Patient Survival. <i>Cancer Immunology Research</i> , 2021 , 9, 612-623	12.5	3
7	Renal epithelial cells retain primary cilia during human acute renal allograft rejection injury. <i>BMC Research Notes</i> , 2019 , 12, 718	2.3	3

6	Prevalence and potential biological role of TERT amplifications in ALK translocated adenocarcinoma of the lung. <i>Histopathology</i> , 2021 , 78, 578-585	7.3	3
5	Brankenstein protocol for nuclei isolation from fresh and frozen tissue for snRNAseq v1		2
4	Brankenstein protocol for nuclei isolation from fresh and frozen tissue for snRNAseq v2		2
3	Genomic Applications in Gynecologic Malignancies 2015 , 465-487		
2	Genomic Cytometry and New Modalities for Deep Single-Cell Interrogation. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020 , 97, 1007-1016	4.6	
1	Same-Cell Co-Occurrence of RAS Hotspot and BRAF V600E Mutations in Treatment-Naive Colorectal Cancer.. <i>JCO Precision Oncology</i> , 2022 , 6, e2100365	3.6	