

Luciano G Martelotto

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,723
citations

126708

33
h-index

149479

56
g-index

88
all docs

88
docs citations

88
times ranked

6637
citing authors

#	ARTICLE	IF	CITATIONS
1	Same-Cell Co-Occurrence of RAS Hotspot and BRAF V600E Mutations in Treatment-Naïve Colorectal Cancer. <i>JCO Precision Oncology</i> , 2022, 6, e2100365.	1.5	1
2	Isolating Nuclei From Frozen Human Heart Tissue for Single-Cell Nucleus RNA Sequencing. <i>Current Protocols</i> , 2022, 2, .	1.3	1
3	Combined BRAF, MEK, and CDK4/6 Inhibition Depletes Intratumoral Immune-Potentiating Myeloid Populations in Melanoma. <i>Cancer Immunology Research</i> , 2021, 9, 136-146.	1.6	12
4	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.	1.6	8
5	SUGAR-seq enables simultaneous detection of glycans, epitopes, and the transcriptome in single cells. <i>Science Advances</i> , 2021, 7, .	4.7	46
6	CD8 ⁺ T Cells in Merkel Cell Carcinomas Have a Proinflammatory Profile Prognostic of Patient Survival. <i>Cancer Immunology Research</i> , 2021, 9, 612-623.	1.6	22
7	CDK4/6 Inhibition Promotes Antitumor Immunity through the Induction of T-cell Memory. <i>Cancer Discovery</i> , 2021, 11, 2582-2601.	7.7	62
8	Antigen-driven EGR2 expression is required for exhausted CD8 ⁺ T cell stability and maintenance. <i>Nature Communications</i> , 2021, 12, 2782.	5.8	20
9	Analytical validation of an error-corrected ultra-sensitive ctDNA next-generation sequencing assay. <i>BioTechniques</i> , 2020, 69, 133-140.	0.8	4
10	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.	1.1	2
11	Reprogramming Roadmap reveals route to human induced trophoblast stem cells. <i>Nature</i> , 2020, 586, 101-107.	13.7	131
12	A P53-Independent DNA Damage Response Suppresses Oncogenic Proliferation and Genome Instability. <i>Cell Reports</i> , 2020, 30, 1385-1399.e7.	2.9	29
13	Renal epithelial cells retain primary cilia during human acute renal allograft rejection injury. <i>BMC Research Notes</i> , 2019, 12, 718.	0.6	3
14	Single-Cell Applications of Next-Generation Sequencing. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2019, 9, a026898.	2.9	23
15	<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.	2.1	74
16	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.	0.9	35
17	Inhibition of activin signaling in lung adenocarcinoma increases the therapeutic index of platinum chemotherapy. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	32
18	Recurrent hotspot mutations in HRAS Q61 and PI3K-AKT pathway genes as drivers of breast adenomyoepitheliomas. <i>Nature Communications</i> , 2018, 9, 1816.	5.8	105

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19	Whole-genome single-cell copy number profiling from formalin-fixed paraffin-embedded samples. <i>Nature Medicine</i> , 2017, 23, 376-385.	15.2	111
20	Generation of conditional oncogenic chromosomal translocations using CRISPR-Cas9 genomic editing and homology-directed repair. <i>Journal of Pathology</i> , 2017, 242, 102-112.	2.1	23
21	Biallelic alterations in DNA repair genes underpin homologous recombination DNA repair defects in breast cancer. <i>Journal of Pathology</i> , 2017, 242, 165-177.	2.1	43
22	An approach to suppress the evolution of resistance in BRAFV600E-mutant cancer. <i>Nature Medicine</i> , 2017, 23, 929-937.	15.2	146
23	Diverse BRCA1 and BRCA2 Reversion Mutations in Circulating Cell-Free DNA of Therapy-Resistant Breast or Ovarian Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 6708-6720.	3.2	194
24	Genomic and transcriptomic heterogeneity in metaplastic carcinomas of the breast. <i>Npj Breast Cancer</i> , 2017, 3, 48.	2.3	63
25	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.	1.3	14
26	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.	1.1	8
27	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, 1055-1062.	1.6	23
28	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, 508-518.	2.1	102
29	Resolving quandaries: basaloid adenoid cystic carcinoma or breast cylindroma? The role of massively parallel sequencing. <i>Histopathology</i> , 2016, 68, 262-271.	1.6	22
30	IDH2 Mutations Define a Unique Subtype of Breast Cancer with Altered Nuclear Polarity. <i>Cancer Research</i> , 2016, 76, 7118-7129.	0.4	99
31	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.	2.9	68
32	Uterine adenosarcomas are mesenchymal neoplasms. <i>Journal of Pathology</i> , 2016, 238, 381-388.	2.1	94
33	TP53 Mutational Spectrum in Endometrioid and Serous Endometrial Cancers. <i>International Journal of Gynecological Pathology</i> , 2016, 35, 289-300.	0.9	89
34	The Genomic Landscape of Male Breast Cancers. <i>Clinical Cancer Research</i> , 2016, 22, 4045-4056.	3.2	119
35	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.	2.1	53
36	MED12 somatic mutations in fibroadenomas and phyllodes tumours of the breast. <i>Histopathology</i> , 2015, 67, 719-729.	1.6	78

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37	Genomic landscape of adenoid cystic carcinoma of the breast. <i>Journal of Pathology</i> , 2015, 237, 179-189.	2.1	133
38	Intra-tumor genetic heterogeneity and alternative driver genetic alterations in breast cancers with heterogeneous HER2 gene amplification. <i>Genome Biology</i> , 2015, 16, 107.	3.8	109
39	Genomic Applications in Gynecologic Malignancies. , 2015, , 465-487.		0
40	Benchmarking mutation effect prediction algorithms using functionally validated cancer-related missense mutations. <i>Genome Biology</i> , 2014, 15, 484.	3.8	117
41	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.	1.8	71
42	Breast cancer intra-tumor heterogeneity. <i>Breast Cancer Research</i> , 2014, 16, 210.	2.2	256
43	Hotspot activating PRKD1 somatic mutations in polymorphous low-grade adenocarcinomas of the salivary glands. <i>Nature Genetics</i> , 2014, 46, 1166-1169.	9.4	188
44	Integrative genomic and transcriptomic characterization of papillary carcinomas of the breast. <i>Molecular Oncology</i> , 2014, 8, 1588-1602.	2.1	49
45	Abstract 3318: Using synthetic lethal screening to identify therapeutic targets for innately platinum resistant lung cancer. , 2014, , .		0
46	Interaction of smoothed with integrinâ€linked kinase in primary cilia mediates Hedgehog signalling. <i>EMBO Reports</i> , 2013, 14, 837-844.	2.0	23
47	Visualizing renal primary cilia. <i>Nephrology</i> , 2013, 18, 161-168.	0.7	14
48	Aberrant expression and regulation of NR2F2 and CTNBN1 in uterine fibroids. <i>Reproduction</i> , 2013, 146, 91-102.	1.1	19
49	Next-Generation Sequence Analysis of Cancer Xenograft Models. <i>PLoS ONE</i> , 2013, 8, e74432.	1.1	30
50	Mechanisms of Hedgehog signalling in cancer. <i>Growth Factors</i> , 2011, 29, 221-234.	0.5	50
51	Hedgehog Overexpression Is Associated with Stromal Interactions and Predicts for Poor Outcome in Breast Cancer. <i>Cancer Research</i> , 2011, 71, 4002-4014.	0.4	149
52	A crucial requirement for Hedgehog signaling in small cell lung cancer. <i>Nature Medicine</i> , 2011, 17, 1504-1508.	15.2	224
53	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.	2.0	51
54	Gene expression analysis at the onset of aposporous apomixis in <i>Paspalum notatum</i> . <i>Plant Molecular Biology</i> , 2008, 67, 615-628.	2.0	63

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55	Genome rearrangements derived from autopolyploidization in <i>Paspalum</i> sp.. <i>Plant Science</i> , 2007, 172, 970-977.	1.7	52
56	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.	1.6	28
57	A comprehensive analysis of gene expression alterations in a newly synthesized <i>Paspalum notatum</i> autotetraploid. <i>Plant Science</i> , 2005, 169, 211-220.	1.7	46
58	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.	1.2	27
59	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.	1.0	33