

Paola Marcato

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.

66

papers

2,612

citations

28

h-index

50

g-index

70

ext. papers

2,977

ext. citations

6

avg, IF

5.02

L-index

#	Paper	IF	Citations
66	Aldehyde dehydrogenase: its role as a cancer stem cell marker comes down to the specific isoform. <i>Cell Cycle</i> , 2011 , 10, 1378-84	4.7	367
65	Aldehyde dehydrogenase activity of breast cancer stem cells is primarily due to isoform ALDH1A3 and its expression is predictive of metastasis. <i>Stem Cells</i> , 2011 , 29, 32-45	5.8	338
64	Ras transformation mediates reovirus oncolysis by enhancing virus uncoating, particle infectivity, and apoptosis-dependent release. <i>Molecular Therapy</i> , 2007 , 15, 1522-30	11.7	130
63	Assessment in mice of the therapeutic potential of tailored, multivalent Shiga toxin carbohydrate ligands. <i>Journal of Infectious Diseases</i> , 2003 , 187, 640-9	7	130
62	Reovirus virotherapy overrides tumor antigen presentation evasion and promotes protective antitumor immunity. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 2924-33	6.1	84
61	Aldehyde dehydrogenase 1A3 influences breast cancer progression via differential retinoic acid signaling. <i>Molecular Oncology</i> , 2015 , 9, 17-31	7.9	76
60	Unshackling the links between reovirus oncolysis, Ras signaling, translational control and cancer. <i>Oncogene</i> , 2005 , 24, 7720-8	9.2	72
59	Immunoprophylactic potential of cloned Shiga toxin 2 B subunit. <i>Journal of Infectious Diseases</i> , 2001 , 183, 435-43	7	72
58	Targeting cancer-initiating cells with oncolytic viruses. <i>Molecular Therapy</i> , 2009 , 17, 1677-82	11.7	70
57	Oncolytic reovirus effectively targets breast cancer stem cells. <i>Molecular Therapy</i> , 2009 , 17, 972-9	11.7	65
56	The RAS/Raf1/MEK/ERK signaling pathway facilitates VSV-mediated oncolysis: implication for the defective interferon response in cancer cells. <i>Molecular Therapy</i> , 2007 , 15, 1531-6	11.7	65
55	Hide-and-seek: the interplay between cancer stem cells and the immune system. <i>Carcinogenesis</i> , 2017 , 38, 107-118	4.6	62
54	Oncolytic virus-initiated protective immunity against prostate cancer. <i>Molecular Therapy</i> , 2011 , 19, 797-804	11.7	62
53	Core needle biopsy of breast cancer tumors increases distant metastases in a mouse model. <i>Neoplasia</i> , 2014 , 16, 950-60	6.4	52
52	Multifaceted therapeutic targeting of ovarian peritoneal carcinomatosis through virus-induced immunomodulation. <i>Molecular Therapy</i> , 2013 , 21, 338-47	11.7	51
51	Glycan mimicry as a basis for novel anti-infective drugs. <i>Biochimie</i> , 2001 , 83, 841-7	4.6	51
50	Gemcitabine enhances the efficacy of reovirus-based oncotherapy through anti-tumour immunological mechanisms. <i>British Journal of Cancer</i> , 2014 , 110, 83-93	8.7	50

49	A STAT3-NFkB/DDIT3/CEBPA axis modulates ALDH1A3 expression in chemoresistant cell subpopulations. <i>Oncotarget</i> , 2015 , 6, 12637-53	3.3	49
48	ALDH1A3-regulated long non-coding RNA NRAD1 is a potential novel target for triple-negative breast tumors and cancer stem cells. <i>Cell Death and Differentiation</i> , 2020 , 27, 363-378	12.7	49
47	Citral reduces breast tumor growth by inhibiting the cancer stem cell marker ALDH1A3. <i>Molecular Oncology</i> , 2016 , 10, 1485-1496	7.9	48
46	Human serum amyloid P component protects against Escherichia coli O157:H7 Shiga toxin 2 in vivo: therapeutic implications for hemolytic-uremic syndrome. <i>Journal of Infectious Diseases</i> , 2006 , 193, 1120-4	7	46
45	Epigenetic Modifications as Biomarkers of Tumor Development, Therapy Response, and Recurrence across the Cancer Care Continuum. <i>Cancers</i> , 2018 , 10,	6.6	39
44	Recombinant Shiga toxin B-subunit-keyhole limpet hemocyanin conjugate vaccine protects mice from Shigatoxemia. <i>Infection and Immunity</i> , 2005 , 73, 6523-9	3.7	38
43	Connecting reovirus oncolysis and Ras signaling. <i>Cell Cycle</i> , 2005 , 4, 556-9	4.7	34
42	Genetic Mutations and Epigenetic Modifications: Driving Cancer and Informing Precision Medicine. <i>BioMed Research International</i> , 2017 , 2017, 9620870	3	32
41	Differential binding of Shiga toxin 2 to human and murine neutrophils. <i>Journal of Medical Microbiology</i> , 2007 , 56, 1423-1430	3.2	32
40	Epigenetic Silencing of TAP1 in Aldefluor Breast Cancer Stem Cells Contributes to Their Enhanced Immune Evasion. <i>Stem Cells</i> , 2018 , 36, 641-654	5.8	31
39	Stability of the homopentameric B subunits of shiga toxins 1 and 2 in solution and the gas phase as revealed by nano-electrospray fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 1957-68	3.5	28
38	Dying to Be Noticed: Epigenetic Regulation of Immunogenic Cell Death for Cancer Immunotherapy. <i>Frontiers in Immunology</i> , 2018 , 9, 654	8.4	27
37	Basis for N-acetyllactosamine-mediated inhibition of enteropathogenic Escherichia coli localized adherence. <i>Journal of Medical Microbiology</i> , 2006 , 55, 669-675	3.2	27
36	Newly recruited CD11b+, GR-1+, Ly6C(high) myeloid cells augment tumor-associated immunosuppression immediately following the therapeutic administration of oncolytic reovirus. <i>Journal of Immunology</i> , 2015 , 194, 4397-412	5.3	26
35	Serum amyloid P component binding to Shiga toxin 2 requires both a subunit and B pentamer. <i>Infection and Immunity</i> , 2003 , 71, 6075-8	3.7	26
34	Cloned Shiga toxin 2 B subunit induces apoptosis in Ramos Burkitt's lymphoma B cells. <i>Infection and Immunity</i> , 2002 , 70, 1279-86	3.7	25
33	Binding of adenine to Stx2, the protein toxin from Escherichia coli O157:H7. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006 , 62, 627-30		23
32	Breast cancer subtype dictates DNA methylation and ALDH1A3-mediated expression of tumor suppressor RARRES1. <i>Oncotarget</i> , 2016 , 7, 44096-44112	3.3	22

31	TRPM2 ion channel promotes gastric cancer migration, invasion and tumor growth through the AKT signaling pathway. <i>Scientific Reports</i> , 2019 , 9, 4182	4.9	21
30	Retinoic acid and arsenic trioxide induce lasting differentiation and demethylation of target genes in APL cells. <i>Scientific Reports</i> , 2019 , 9, 9414	4.9	19
29	Activation of p53 by chemotherapeutic agents enhances reovirus oncolysis. <i>PLoS ONE</i> , 2013 , 8, e54006	3.7	19
28	The Missing Lnc: The Potential of Targeting Triple-Negative Breast Cancer and Cancer Stem Cells by Inhibiting Long Non-Coding RNAs. <i>Cells</i> , 2020 , 9,	7.9	16
27	Profiling of the transcriptional response to all-trans retinoic acid in breast cancer cells reveals RARE-independent mechanisms of gene expression. <i>Scientific Reports</i> , 2017 , 7, 16684	4.9	15
26	DNA Methylation Predicts the Response of Triple-Negative Breast Cancers to All-Trans Retinoic Acid. <i>Cancers</i> , 2018 , 10,	6.6	15
25	TAp73 Modifies Metabolism and Positively Regulates Growth of Cancer Stem-Like Cells in a Redox-Sensitive Manner. <i>Clinical Cancer Research</i> , 2019 , 25, 2001-2017	12.9	13
24	The Flick of a Switch: Conferring Survival Advantage to Breast Cancer Stem Cells Through Metabolic Plasticity. <i>Frontiers in Oncology</i> , 2019 , 9, 753	5.3	12
23	LncRNA-miRNA axes in breast cancer: Novel points of interaction for strategic attack. <i>Cancer Letters</i> , 2021 , 509, 81-88	9.9	12
22	Phloridzin docosahexaenoate, a novel fatty acid ester of a plant polyphenol, inhibits mammary carcinoma cell metastasis. <i>Cancer Letters</i> , 2019 , 465, 68-81	9.9	11
21	ALDH1A3 Is the Key Isoform That Contributes to Aldehyde Dehydrogenase Activity and Affects Proliferation in Cardiac Atrial Appendage Progenitor Cells. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 90	5.4	11
20	Decitabine Response in Breast Cancer Requires Efficient Drug Processing and Is Not Limited by Multidrug Resistance. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 1110-1122	6.1	10
19	Regulation of cell surface protease receptor S100A10 by retinoic acid therapy in acute promyelocytic leukemia (APL). <i>Cell Death and Disease</i> , 2018 , 9, 920	9.8	8
18	S100A10 Has a Critical Regulatory Function in Mammary Tumor Growth and Metastasis: Insights Using MMTV-PyMT Oncomice and Clinical Patient Sample Analysis. <i>Cancers</i> , 2020 , 12,	6.6	4
17	Cloned Shiga toxin 2 B subunit induces apoptosis in Ramos Burkitt's lymphoma B cells. <i>Infection and Immunity</i> , 2003 , 71, 4828	3.7	3
16	Profiling non-small cell lung cancer reveals that PD-L1 is associated with wild type EGFR and vascular invasion, and immunohistochemistry quantification of PD-L1 correlates weakly with RT-qPCR. <i>PLoS ONE</i> , 2021 , 16, e0251080	3.7	3
15	Breast Cancer Genomics 2014 , 213-232		2
14	Cancer Stem Cells and Chemoresistance: Strategies to Overcome Therapeutic Resistance 2015 , 477-518		2

13	Human-specific GAPDH qRT-PCR is an accurate and sensitive method of xenograft metastasis quantification. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021 , 20, 398-408	6.4	2
12	LncRNA Promotes Proliferation and Migration, Is Associated with Cancer Stem Cells, and Alters the miRNA Landscape in Triple-Negative Breast Cancer. <i>Cancers</i> , 2021 , 13,	6.6	2
11	Datasets exploring putative lncRNA-miRNA-mRNA axes in breast cancer cell lines. <i>Data in Brief</i> , 2021 , 37, 107241	1.2	2
10	The Prostaglandin E2 Pathway and Breast Cancer Stem Cells: Evidence of Increased Signaling and Potential Targeting.. <i>Frontiers in Oncology</i> , 2021 , 11, 791696	5.3	1
9	In Vivo Genome-Wide Pooled RNAi Screens in Cancer Cells to Identify Determinants of Chemotherapy/Drug Response. <i>Methods in Molecular Biology</i> , 2021 , 2381, 189-200	1.4	1
8	Triple-Negative Breast Cancer and the COVID-19 Pandemic: Clinical Management Perspectives and Potential Consequences of Infection. <i>Cancers</i> , 2021 , 13,	6.6	1
7	Metabolite profiling reveals a connection between aldehyde dehydrogenase 1A3 and GABA metabolism in breast cancer metastasis.. <i>Metabolomics</i> , 2022 , 18, 9	4.7	0
6	An in vivo genome-wide shRNA screen identifies BCL6 as a targetable biomarker of paclitaxel resistance in breast cancer. <i>Molecular Oncology</i> , 2021 , 15, 2046-2064	7.9	0
5	Host Signaling Responses to Reovirus Infection 2009 , 627-653		
4	Targeting Key Stemness-Related Pathways in Human Cancers 2015 , 393-443		
3	Association of core needle biopsies with increase in metastatic dissemination of breast cancer.. <i>Journal of Clinical Oncology</i> , 2012 , 30, e21090-e21090	2.2	
2	Breast Cancer Xenograft Murine Models. <i>Methods in Molecular Biology</i> , 2022 , 31-44	1.4	
1	Isolation of cancer stem cells from cultured breast cancer cells and xenografted breast tumors based on aldehyde dehydrogenase activity. <i>Methods in Cell Biology</i> , 2022 ,	1.8	