

Lynne Marie Postovit

List of Publications by Year in Descending Order

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Version: 2024-04-09

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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.

98 papers	4,829 citations	36 h-index	68 g-index
103 ext. papers	5,518 ext. citations	7.6 avg, IF	5.54 L-index

#	Paper	IF	Citations
98	Docosahexaenoic acid enrichment of tumor phospholipid membranes increases tumor necroptosis in mice bearing triple negative breast cancer patient-derived xenografts.. <i>Journal of Nutritional Biochemistry</i> , 2022 , 109018	6.3	2
97	Genome profiles of pathologist-defined cell clusters by multiregional LCM and G&T-seq in one triple-negative breast cancer patient. <i>Cell Reports Medicine</i> , 2021 , 2, 100404	18	0
96	Characterization of ovarian cancer-derived extracellular vesicles by surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2021 , 146, 7194-7206	5	1
95	N-3 Long-Chain Polyunsaturated Fatty Acids, Eicosapentaenoic and Docosahexaenoic Acid, and the Role of Supplementation during Cancer Treatment: A Scoping Review of Current Clinical Evidence. <i>Cancers</i> , 2021 , 13,	6.6	6
94	Embryonic protein NODAL regulates the breast tumor microenvironment by reprogramming cancer-derived secretomes. <i>Neoplasia</i> , 2021 , 23, 375-390	6.4	2
93	ADAM protease inhibition overcomes resistance of breast cancer stem-like cells to \checkmark cell immunotherapy. <i>Cancer Letters</i> , 2021 , 496, 156-168	9.9	3
92	Cancer Plasticity: The Role of mRNA Translation. <i>Trends in Cancer</i> , 2021 , 7, 134-145	12.5	8
91	SWI/SNF-deficiency defines highly aggressive undifferentiated endometrial carcinoma. <i>Journal of Pathology: Clinical Research</i> , 2021 , 7, 144-153	5.3	10
90	Preventing phenotypic plasticity in cancer to mitigate therapy resistance 2021 , 119-160		
89	Docosahexaenoic Acid in the Inhibition of Tumor Cell Growth in Preclinical Models of Ovarian Cancer. <i>Nutrition and Cancer</i> , 2021 , 1-15	2.8	1
88	SMARCA4/2 loss inhibits chemotherapy-induced apoptosis by restricting IP3R3-mediated Ca flux to mitochondria. <i>Nature Communications</i> , 2021 , 12, 5404	17.4	3
87	Genetically-encoded discovery of proteolytically stable bicyclic inhibitors for morphogen NODAL. <i>Chemical Science</i> , 2021 , 12, 9694-9703	9.4	4
86	Translational control of breast cancer plasticity. <i>Nature Communications</i> , 2020 , 11, 2498	17.4	31
85	Aberrantly Expressed Embryonic Protein NODAL Alters Breast Cancer Cell Susceptibility to \checkmark Cell Cytotoxicity. <i>Frontiers in Immunology</i> , 2020 , 11, 1287	8.4	5
84	Insights into Fibroblast Plasticity: Cellular Communication Network 2 Is Required for Activation of Cancer-Associated Fibroblasts in a Murine Model of Melanoma. <i>American Journal of Pathology</i> , 2020 , 190, 206-221	5.8	13
83	Targeting N-myristoylation for therapy of B-cell lymphomas. <i>Nature Communications</i> , 2020 , 11, 5348	17.4	12
82	Proteomics-Derived Biomarker Panel Improves Diagnostic Precision to Classify Endometrioid and High-grade Serous Ovarian Carcinoma. <i>Clinical Cancer Research</i> , 2019 , 25, 4309-4319	12.9	17

81	Paracrine Crosstalk between Fibroblasts and ER Breast Cancer Cells Creates an IL1 β -Enriched Niche that Promotes Tumor Growth. <i>iScience</i> , 2019 , 19, 388-401	6.1	18
80	RUNX3 Promotes the Tumorigenic Phenotype in KGN, a Human Granulosa Cell Tumor-Derived Cell Line. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
79	MNK1/NODAL Signaling Promotes Invasive Progression of Breast Ductal Carcinoma. <i>Cancer Research</i> , 2019 , 79, 1646-1657	10.1	19
78	Matricellular proteins in cancer: a focus on secreted Frizzled-related proteins. <i>Journal of Cell Communication and Signaling</i> , 2018 , 12, 103-112	5.2	10
77	Pharmacological Inhibition of p38 MAPK by SB203580 Increases Resistance to Carboplatin in A2780cp Cells and Promotes Growth in Primary Ovarian Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	8
76	Functional Plasticity of Gamma Delta T Cells and Breast Tumor Targets in Hypoxia. <i>Frontiers in Immunology</i> , 2018 , 9, 1367	8.4	15
75	Activation of cancer-associated fibroblasts is required for tumor neovascularization in a murine model of melanoma. <i>Matrix Biology</i> , 2018 , 74, 52-61	11.4	38
74	A pan-cancer analysis of secreted Frizzled-related proteins: re-examining their proposed tumour suppressive function. <i>Scientific Reports</i> , 2017 , 7, 42719	4.9	27
73	Cancer as an ecomolecular disease and a neoplastic consortium. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017 , 1868, 484-499	11.2	9
72	Comparison of sample preparation techniques for large-scale proteomics. <i>Proteomics</i> , 2017 , 17, 1600337	4.8	22
71	Defining the Na/H exchanger NHE1 interactome in triple-negative breast cancer cells. <i>Cellular Signalling</i> , 2017 , 29, 69-77	4.9	18
70	CD11d α integrin expression on human NK, B, and T cells. <i>Journal of Leukocyte Biology</i> , 2017 , 101, 1029-1035	6.5	5
69	A Critical Review on the Effect of Docosahexaenoic Acid (DHA) on Cancer Cell Cycle Progression. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	58
68	Apoptosis Induced Gamma Delta T Cell Antigen Receptor "Blocking" Antibodies: A Cautionary Tale. <i>Frontiers in Immunology</i> , 2017 , 8, 776	8.4	8
67	Epithelial-to-Mesenchymal Transition in the Female Reproductive Tract: From Normal Functioning to Disease Pathology. <i>Frontiers in Oncology</i> , 2017 , 7, 145	5.3	63
66	Investigating the utility of human melanoma cell lines as tumour models. <i>Oncotarget</i> , 2017 , 8, 10498-10509	5.9	32
65	Delivering Antisense Morpholino Oligonucleotides to Target Telomerase Splice Variants in Human Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2016 , 1341, 133-42	1.4	1
64	Concurrent ARID1A and ARID1B inactivation in endometrial and ovarian dedifferentiated carcinomas. <i>Modern Pathology</i> , 2016 , 29, 1586-1593	9.8	59

63	Brief Report: Common Genetic Variation in Chromosome 10 q22.1 Shows a Strong Sex Bias in Human Embryonic Stem Cell Lines and Directly Controls the Novel Alternative Splicing of Human NODAL which is Associated with XIST Expression in Female Cell Lines. <i>Stem Cells</i> , 2016 , 34, 791-6	5.8	7
62	Nitric oxide signaling in human ovarian cancer: A potential therapeutic target. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 54, 30-7	5	26
61	A Digital PCR-Based Method for Efficient and Highly Specific Screening of Genome Edited Cells. <i>PLoS ONE</i> , 2016 , 11, e0153901	3.7	52
60	RASSF1A Site-Specific Methylation Hotspots in Cancer and Correlation with RASSF1C and MOAP-1. <i>Cancers</i> , 2016 , 8,	6.6	12
59	COX-2 Induces Breast Cancer Stem Cells via EP4/PI3K/AKT/NOTCH/WNT Axis. <i>Stem Cells</i> , 2016 , 34, 2290-305	5.3	85
58	CCN2 Expression by Tumor Stroma Is Required for Melanoma Metastasis. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 2805-2813	4.3	27
57	Role of Nitric Oxide in the Regulation of the Pro-tumourigenic Hypoxic Phenotype: From Instigation to Mitigation 2015 , 65-84		
56	RUNX3 contributes to carboplatin resistance in epithelial ovarian cancer cells. <i>Gynecologic Oncology</i> , 2015 , 138, 647-55	4.9	22
55	Assessing breast cancer cell lines as tumour models by comparison of mRNA expression profiles. <i>Breast Cancer Research</i> , 2015 , 17, 114	8.3	42
54	Microenvironmental regulation of telomerase isoforms in human embryonic stem cells. <i>Stem Cells and Development</i> , 2014 , 23, 2046-66	4.4	26
53	Nodal signals via Er arrestins and RalGTPases to regulate trophoblast invasion. <i>Cellular Signalling</i> , 2014 , 26, 1935-42	4.9	9
52	Illuminating luminal B: QSOX1 as a subtype-specific biomarker. <i>Breast Cancer Research</i> , 2013 , 15, 104	8.3	12
51	Nodal signalling in embryogenesis and tumourigenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 885-98	5.6	64
50	A unique 3D in vitro cellular invasion assay. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 1088-95		11
49	Post-transcriptional regulation in cancer progression : Microenvironmental control of alternative splicing and translation. <i>Journal of Cell Communication and Signaling</i> , 2012 , 6, 233-48	5.2	26
48	Embryonic morphogen nodal promotes breast cancer growth and progression. <i>PLoS ONE</i> , 2012 , 7, e48237	3.7	33
47	Neuropeptide Y stimulates proliferation and migration in the 4T1 breast cancer cell line. <i>International Journal of Cancer</i> , 2012 , 131, 276-86	7.5	41
46	Mass spectrometry-based proteomic analysis of the matrix microenvironment in pluripotent stem cell culture. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1924-36	7.6	33

45	Embryonic protein nodal promotes breast cancer vascularization. <i>Cancer Research</i> , 2012 , 72, 3851-63	10.1	35
44	Microenvironmental regulation of cancer stem cell phenotypes. <i>Current Stem Cell Research and Therapy</i> , 2012 , 7, 197-216	3.6	71
43	GPR54 (KISS1R) transactivates EGFR to promote breast cancer cell invasiveness. <i>PLoS ONE</i> , 2011 , 6, e21599	3.7	68
42	Reactivation of embryonic nodal signaling is associated with tumor progression and promotes the growth of prostate cancer cells. <i>Prostate</i> , 2011 , 71, 1198-209	4.2	84
41	Proteomics of human embryonic stem cells. <i>Proteomics</i> , 2011 , 11, 675-90	4.8	17
40	Proteomic analysis of extracellular matrices used in stem cell culture. <i>Proteomics</i> , 2011 , 11, 3983-91	4.8	37
39	Low oxygen levels induce the expression of the embryonic morphogen Nodal. <i>Molecular Biology of the Cell</i> , 2011 , 22, 4809-21	3.5	31
38	Influence of the Embryonic Microenvironment on Tumor Progression 2011 , 223-242		
37	Regulation of the embryonic morphogen Nodal by Notch4 facilitates manifestation of the aggressive melanoma phenotype. <i>Cancer Research</i> , 2010 , 70, 10340-50	10.1	95
36	Matrigel: a complex protein mixture required for optimal growth of cell culture. <i>Proteomics</i> , 2010 , 10, 1886-90	4.8	832
35	Developmental potential of rat extraembryonic stem cells. <i>Stem Cells and Development</i> , 2009 , 18, 1309-18	4.4	28
34	Development and cancer: at the crossroads of Nodal and Notch signaling. <i>Cancer Research</i> , 2009 , 69, 7131-4	10.1	75
33	Nodal as a biomarker for melanoma progression and a new therapeutic target for clinical intervention. <i>Expert Review of Dermatology</i> , 2009 , 4, 67-78		59
32	Beta-arrestin/Ral signaling regulates lysophosphatidic acid-mediated migration and invasion of human breast tumor cells. <i>Molecular Cancer Research</i> , 2009 , 7, 1064-77	6.6	125
31	In situ loading of basic fibroblast growth factor within porous silica nanoparticles for a prolonged release. <i>Nanoscale Research Letters</i> , 2009 , 4, 1297-302	5	33
30	Overview of Tumor Cells and the Microenvironment 2009 , 69-73		1
29	Plasticity Underlying Multipotent Tumor Stem Cells 2009 , 99-112		1
28	Co-localization of nodal in hypoxic regions of tumours as seen using confocal microscopy and stereoscopic 3D reconstruction methods. <i>FASEB Journal</i> , 2009 , 23, 829.3	0.9	

27	Role of nodal signaling and the microenvironment underlying melanoma plasticity. <i>Pigment Cell and Melanoma Research</i> , 2008 , 21, 348-57	4.5	48
26	Human embryonic stem cell microenvironment suppresses the tumorigenic phenotype of aggressive cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 4329-34	11.5	234
25	Emerging roles of nodal and Cripto-1: from embryogenesis to breast cancer progression. <i>Breast Disease</i> , 2008 , 29, 91-103	1.6	52
24	The epigenetic influence of tumor and embryonic microenvironments: how different are they?. <i>Cancer Microenvironment</i> , 2008 , 1, 13-21	6.1	44
23	Reprogramming multipotent tumor cells with the embryonic neural crest microenvironment. <i>Developmental Dynamics</i> , 2008 , 237, 2657-66	2.9	75
22	Hypoxia/reoxygenation: a dynamic regulator of lysyl oxidase-facilitated breast cancer migration. <i>Journal of Cellular Biochemistry</i> , 2008 , 103, 1369-78	4.7	74
21	Targeting Nodal in malignant melanoma cells. <i>Expert Opinion on Therapeutic Targets</i> , 2007 , 11, 497-505	6.4	37
20	The commonality of plasticity underlying multipotent tumor cells and embryonic stem cells. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 908-17	4.7	51
19	Reprogramming metastatic tumour cells with embryonic microenvironments. <i>Nature Reviews Cancer</i> , 2007 , 7, 246-55	31.3	377
18	Exploiting the convergence of embryonic and tumorigenic signaling pathways to develop new therapeutic targets. <i>Stem Cell Reviews and Reports</i> , 2007 , 3, 68-78	6.4	14
17	Influence of the microenvironment on melanoma cell fate determination and phenotype. <i>Cancer Research</i> , 2006 , 66, 7833-6	10.1	97
16	Reply to Melanoma pathogenesis and Nodal: a partial picture?. <i>Nature Medicine</i> , 2006 , 12, 1231-1231	50.5	
15	Embryonic and tumorigenic pathways converge via Nodal signaling: role in melanoma aggressiveness. <i>Nature Medicine</i> , 2006 , 12, 925-32	50.5	373
14	A three-dimensional model to study the epigenetic effects induced by the microenvironment of human embryonic stem cells. <i>Stem Cells</i> , 2006 , 24, 501-5	5.8	84
13	Nitric oxide signalling and cellular adaptations to changes in oxygenation. <i>Toxicology</i> , 2005 , 208, 235-48	4.4	35
12	Activated macrophages inhibit human cytotrophoblast invasiveness in vitro. <i>Biology of Reproduction</i> , 2005 , 73, 237-43	3.9	107
11	Focal adhesion kinase promotes the aggressive melanoma phenotype. <i>Cancer Research</i> , 2005 , 65, 9851-60	10.1	119
10	Nitric oxide-mediated regulation of hypoxia-induced B16F10 melanoma metastasis. <i>International Journal of Cancer</i> , 2004 , 108, 47-53	7.5	57

9	Oxygen as a regulator of cellular phenotypes in pregnancy and cancer. <i>Canadian Journal of Physiology and Pharmacology</i> , 2002 , 80, 103-9	2.4	18
8	Oxygen-mediated regulation of tumor cell invasiveness. Involvement of a nitric oxide signaling pathway. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35730-7	5.4	83
7	Calpain is required for MMP-2 and u-PA expression in SV40 large T-antigen-immortalized cells. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 297, 294-301	3.4	21
6	Oxygen-mediated regulation of gelatinase and tissue inhibitor of metalloproteinases-1 expression by invasive cells. <i>Experimental Cell Research</i> , 2001 , 267, 88-94	4.2	80
5	Adriana and Luisa Castellucci award lecture 1999: role of oxygen in the regulation of trophoblast gene expression and invasion. <i>Placenta</i> , 2000 , 21, 443-50	3.4	90
4	Comprehensive characterization of transcript diversity at the humanNODALlocus		2
3	Genetically regulated humanNODALsplice variants are differentially post-transcriptionally processed and functionally distinct		1
2	ADAM protease inhibition overcomes resistance of breast cancer stem-like cells to T cell immunotherapy		1
1	Genome profiles of lymphovascular breast cancer cells reveal multiple clonally differentiated outcomes with multi-regional LCM and G&T-seq		2