Maria D Vivanco

List of Publications by Year
in descending order

67 papers	4,512 citations	126858 33 h-index	102432 66 g-index
75 all docs	75 docs citations	75 times ranked	5430 citing authors

#	Article	IF	Citations
1	Identification of a retinoic acid responsive element in the retinoic acid receptor & beta;gene. Nature, 1990, 343, 177-180.	13.7	1,044
2	Characterization of the ligand-dependent transactivation domain of thyroid hormone receptor.. EMBO Journal, 1994, 13, 3039-3049.	3.5	295
3	Sox2 promotes tamoxifen resistance in breast cancer cells. EMBO Molecular Medicine, 2014, 6, 66-79.	3.3	262
4	Functional and molecular characterisation of mammary side population cells. Breast Cancer Research, 2002, 5, R1-8.	2.2	212
5	Growth and differentiation of progenitor/stem cells derived from the human mammary gland. Experimental Cell Research, 2004, 297, 444-460.	1.2	168
6	HOXB9, a gene overexpressed in breast cancer, promotes tumorigenicity and lung metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1100-1105.	3.3	140
7	Neuronal Hyperactivity Disturbs ATP Microgradients, Impairs Microglial Motility, and Reduces Phagocytic Receptor Expression Triggering Apoptosis/Microglial Phagocytosis Uncoupling. PLoS Biology, 2016, 14, e1002466.	2.6	140
8	Cooperativity in transactivation between retinoic acid receptor and TFIID requires an activity analogous to E1A. Cell, 1992, 69, 401-412.	13.5	132
9	Stress relaxation and creep on living cells with the atomic force microscope: a means to calculate elastic moduli and viscosities of cell components. Nanotechnology, 2010, 21, 445101.	1.3	110
10	A Sox2â€“Sox9 signalling axis maintains human breast luminal progenitor and breast cancer stem cells. Oncogene, 2019, 38, 3151-3169.	2.6	110
11	Effects of estrogen on the proportion of stem cells in the breast. Breast Cancer Research and Treatment, 2011, 129, 23-35.	1.1	100
12	Functional characterization of a natural retinoic acid responsive element.. EMBO Journal, 1991, 10, 3829-3838.	3.5	89
13	Î±-Catenin Inhibits Î²-Catenin Signaling by Preventing Formation of a Î²-CateninÂ·T-cell FactorÂ·DNA Complex. Journal of Biological Chemistry, 2000, 275, 21883-21888.	1.6	82
14	Homeobox B9 induces epithelial-to-mesenchymal transition-associated radioresistance by accelerating DNA damage responses. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2760-2765.	3.3	79
15	Unliganded T3R, but not its oncogenic variant, v-erbA, suppresses RAR-dependent transactivation by titrating out RXR.. EMBO Journal, 1993, 12, 1343-1354.	3.5	77
16	Stress relaxation microscopy: Imaging local stress in cells. Journal of Biomechanics, 2010, 43, 349-354.	0.9	66
17	Early Functional Deficit and Microglial Disturbances in a Mouse Model of Amyotrophic Lateral Sclerosis. PLoS ONE, 2012, 7, e36000.	1.1	64
18	Glucocorticoids Inhibit Apoptosis during Fibrosarcoma Development by Transcriptionally Activating Bcl-xL. Journal of Biological Chemistry, 2003, 278, 18022-18029.	1.6	63

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19	MiR-24 induces chemotherapy resistance and hypoxic advantage in breast cancer. Oncotarget, 2017, 8, 19507-19521.	0.8	63
20	The Major Pre- and Postmenopausal Estrogens Play Opposing Roles in Obesity-Driven Mammary Inflammation and Breast Cancer Development. Cell Metabolism, 2020, 31, 1154-1172.e9.	7.2	58
21	Distinct Roles for Wnt-4 and Wnt-11 During Retinoic Acid-Induced Neuronal Differentiation. Stem Cells, 2011, 29, 141-153.	1.4	49
22	Ultra-fast laser microprocessing of medical polymers for cell engineering applications. Materials Science and Engineering C, 2014, 37, 241-250.	3.8	49
23	Chitosan nanogels as nanocarriers of polyoxometalates for breast cancer therapies. Carbohydrate Polymers, 2019, 213, 159-167.	5.1	48
24	OMTX705, a Novel FAP-Targeting ADC Demonstrates Activity in Chemotherapy and Pembrolizumab-Resistant Solid Tumor Models. Clinical Cancer Research, 2020, 26, 3420-3430.	3.2	47
25	Distinct breast cancer stem/progenitor cell populations require either HIF1Î± or loss of PHD3 to expand under hypoxic conditions. Oncotarget, 2015, 6, 31721-31739.	0.8	46
26	Glycogen synthase kinase-3 and Axin function in a Î²-catenin-independent pathway that regulates neurite outgrowth in neuroblastoma cells. Molecular and Cellular Neurosciences, 2003, 24, 673-686.	1.0	45
27	Stratification and therapeutic potential of PML in metastatic breast cancer. Nature Communications, 2016, 7, 12595.	5.8	45
28	Dual Mechanisms of LYN Kinase Dysregulation Drive Aggressive Behavior in Breast Cancer Cells. Cell Reports, 2018, 25, 3674-3692.e10.	2.9	43
29	Selective Ablation of Retinoblastoma Protein Function by the RET Finger Protein. Molecular Cell, 2005, 18, 213-224.	4.5	42
30	Protective effect of stromal Dickkopf-3 in prostate cancer: opposing roles for TGFBI and ECM-1. Oncogene, 2018, 37, 5305-5324.	2.6	42
31	Analysis of Î²-Catenin Aggregation and Localization Using GFP Fusion Proteins: Nuclear Import of Î±-Catenin by the Î²-Catenin/Tcf Complex. Experimental Cell Research, 2000, 255, 207-220.	1.2	40
32	A transition in transcriptional activation by the glucocorticoid and retinoic acid receptors at the tumor stage of dermal fibrosarcoma development.. EMBO Journal, 1995, 14, 2217-2228.	3.5	34
33	Brca1 is expressed in human microglia and is dysregulated in human and animal model of ALS. Molecular Neurodegeneration, 2015, 10, 34.	4.4	32
34	Acquired Resistance of ER-Positive Breast Cancer to Endocrine Treatment Confers an Adaptive Sensitivity to TRAIL through Posttranslational Downregulation of c-FLIP. Clinical Cancer Research, 2018, 24, 2452-2463.	3.2	32
35	SOX11 promotes epithelial/mesenchymal hybrid state and alters tropism of invasive breast cancer cells. ELife, 2020, 9, .	2.8	27
36	Cancer stem cells in the human mammary gland and regulation of their differentiation by estrogen. Future Oncology, 2011, 7, 995-1006.	1.1	26

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37	Resveratrol-Induced Temporal Variation in the Mechanical Properties of MCF-7 Breast Cancer Cells Investigated by Atomic Force Microscopy. International Journal of Molecular Sciences, 2019, 20, 3275.	1.8	25
38	Nuclear receptors: Lipid and hormone sensors with essential roles in the control of cancer development. Seminars in Cancer Biology, 2021, 73, 58-75.	4.3	25
39	Global dynamics of two-compartment models for cell production systems with regulatory mechanisms. Mathematical Biosciences, 2013, 245, 258-268.	0.9	23
40	Nuclear export of Î±-catenin: overlap between nuclear export signal sequences and the Î²-catenin binding site. Experimental Cell Research, 2004, 295, 150-160.	1.2	20
41	Laser Surface Microstructuring of a Bio-Resorbable Polymer to Anchor Stem Cells, Control Adipocyte Morphology, and Promote Osteogenesis. Polymers, 2018, 10, 1337.	2.0	20
42	Investigating cellâ€substrate and cellâ€“cell interactions by means of singleâ€cellâ€probe force spectroscopy. Microscopy Research and Technique, 2017, 80, 124-130.	1.2	19
43	Paracrine Met signaling triggers epithelialâ€“mesenchymal transition in mammary luminal progenitors, affecting their fate. ELife, 2015, 4, .	2.8	19
44	Wnt-11 as a Potential Prognostic Biomarker and Therapeutic Target in Colorectal Cancer. Cancers, 2019, 11, 908.	1.7	18
45	The Tumor Suppressor ING5 Is a Dimeric, Bivalent Recognition Molecule of the Histone H3K4me3 Mark. Journal of Molecular Biology, 2019, 431, 2298-2319.	2.0	18
46	Study of pro-opiomelanocortin mRNA expression in human postmortem pituitaries. Molecular Brain Research, 1991, 10, 129-137.	2.5	16
47	Function Follows Form: Defining Mammary Stem Cells. Science Translational Medicine, 2010, 2, 31ps22.	5.8	15
48	Substrate stiffness modulates the viscoelastic properties of MCF-7Âcells. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 125, 104979.	1.5	15
49	Human Mammospheres Secrete Hormone-Regulated Active Extracellular Vesicles. PLoS ONE, 2014, 9, e83955.	1.1	14
50	Side Population. Methods in Molecular Biology, 2015, 1293, 73-81.	0.4	12
51	Loss of Mitotic Spindle Checkpoint Activity Predisposes to Chromosomal Instability at Early Stages of Fibrosarcoma Development. Cell Cycle, 2003, 2, 237-241.	1.3	11
52	Single-Cell Probe Force Studies to Identify Sox2 Overexpression-Promoted Cell Adhesion in MCF7 Breast Cancer Cells. Cells, 2020, 9, 935.	1.8	9
53	Loss of p16INK4a results in increased glucocorticoid receptor activity during fibrosarcoma development. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3113-3118.	3.3	8
54	Dickkopfâ€3 alters the morphological response to retinoic acid during neuronal differentiation of human embryonal carcinoma cells. Developmental Neurobiology, 2014, 74, 1243-1254.	1.5	7

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55	Mammary Stem Cells. Methods in Molecular Biology, 2015, 1293, v-vi.	0.4	7
56	Estrogen Modulates Epithelial Breast Cancer Cell Mechanics and Cell-to-Cell Contacts. Materials, 2021, 14, 2897.	1.3	7
57	FACS Sorting Mammary Stem Cells. Methods in Molecular Biology, 2015, 1293, 63-72.	0.4	7
58	Biomarkers in Breast Cancer. Methods in Molecular Biology, 2010, 593, 137-156.	0.4	6
59	Nanopatterned polystyrene-b-poly(acrylic acid) surfaces to modulate cell-material interaction. Materials Science and Engineering C, 2017, 75, 229-236.	3.8	5
60	Loss of mitotic spindle checkpoint activity predisposes to chromosomal instability at early stages of fibrosarcoma development. Cell Cycle, 2003, 2, 238-45.	1.3	4
61	Patient-Derived Explant Cultures of Normal and Tumor Human Breast Tissue. Methods in Molecular Biology, 2022, 2471, 301-307.	0.4	4
62	In Silico Approach for Immunohistochemical Evaluation of a Cytoplasmic Marker in Breast Cancer. Cancers, 2018, 10, 517.	1.7	3
63	Micropatterned Model Biological Membraneson a Solid Surface. , 2013, , 855-876.		1
64	The seventh ENBDC workshop on methods in mammary gland development and cancer. Breast Cancer Research, 2015, 17, 119.	2.2	0
65	See One, Do One, Teach One: A Practical Course on Methods in Mammary Gland Biology. Journal of Mammary Gland Biology and Neoplasia, 2017, 22, 215-219.	1.0	0
66	A model for stem cell population dynamics with regulated maturation delay. , 2011, , .		0
67	Single-Cell Genome and Transcriptome Processing Prior to High-Throughput Sequencing. Methods in Molecular Biology, 2015, 1293, 83-114.	0.4	0