

Michele I Vitolo

List of Publications by Year in descending order

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43
papers

1,808
citations

279487

23
h-index

276539

41
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45
all docs

45
docs citations

45
times ranked

3181
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±-Tubulin Acetylation Elevated in Metastatic and Basal-like Breast Cancer Cells Promotes Microtentacle Formation, Adhesion, and Invasive Migration. <i>Cancer Research</i> , 2015, 75, 203-215.	0.4	160
2	Knockin of mutant PIK3CA activates multiple oncogenic pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2835-2840.	3.3	145
3	Epithelial-to-Mesenchymal Transition Promotes Tubulin Detyrosination and Microtentacles that Enhance Endothelial Engagement. <i>Cancer Research</i> , 2010, 70, 8127-8137.	0.4	126
4	Tamoxifen-stimulated growth of breast cancer due to p21 loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 288-293.	3.3	86
5	Metastatic breast tumors express increased tau, which promotes microtentacle formation and the reattachment of detached breast tumor cells. <i>Oncogene</i> , 2010, 29, 3217-3227.	2.6	86
6	A microfluidic assay for the quantification of the metastatic propensity of breast cancer specimens. <i>Nature Biomedical Engineering</i> , 2019, 3, 452-465.	11.6	85
7	Curcumin Targets Breast Cancer Stem-like Cells with Microtentacles That Persist in Mammospheres and Promote Reattachment. <i>Cancer Research</i> , 2014, 74, 1250-1260.	0.4	81
8	Deletion of PTEN Promotes Tumorigenic Signaling, Resistance to Anoikis, and Altered Response to Chemotherapeutic Agents in Human Mammary Epithelial Cells. <i>Cancer Research</i> , 2009, 69, 8275-8283.	0.4	79
9	Beta-platelet-derived growth factor receptor mediates motility and growth of Ewing's sarcoma cells. <i>Oncogene</i> , 2003, 22, 2334-2342.	2.6	77
10	Anti-angiogenic activity of inositol hexaphosphate (IP6). <i>Carcinogenesis</i> , 2004, 25, 2115-2123.	1.3	74
11	The RUNX2 transcription factor cooperates with the YES-associated protein, YAP65, to promote cell transformation. <i>Cancer Biology and Therapy</i> , 2007, 6, 856-863.	1.5	66
12	Quantitative imaging of mitochondrial and cytosolic free zinc levels in an in vitro model of ischemia/reperfusion. <i>Journal of Bioenergetics and Biomembranes</i> , 2012, 44, 253-263.	1.0	57
13	MCT-1 Protein Interacts with the Cap Complex and Modulates Messenger RNA Translational Profiles. <i>Cancer Research</i> , 2006, 66, 8994-9001.	0.4	53
14	Regulation of TGFÎ²1-mediated growth inhibition and apoptosis by RUNX2 isoforms in endothelial cells. <i>Oncogene</i> , 2004, 23, 4722-4734.	2.6	47
15	Deletion of p53 in human mammary epithelial cells causes chromosomal instability and altered therapeutic response. <i>Oncogene</i> , 2010, 29, 4715-4724.	2.6	47
16	Parthenolide and costunolide reduce microtentacles and tumor cell attachment by selectively targeting detyrosinated tubulin independent from NF-Î²B inhibition. <i>Breast Cancer Research</i> , 2013, 15, R83.	2.2	46
17	Loss of giant obscurins from breast epithelium promotes epithelial-to-mesenchymal transition, tumorigenicity and metastasis. <i>Oncogene</i> , 2015, 34, 4248-4259.	2.6	46
18	Inactivation of Arid1a in the endometrium is associated with endometrioid tumorigenesis through transcriptional reprogramming. <i>Nature Communications</i> , 2020, 11, 2717.	5.8	45

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19	Loss of PTEN induces microtentacles through PI3K-independent activation of cofilin. <i>Oncogene</i> , 2013, 32, 2200-2210.	2.6	41
20	ROCK inhibition promotes microtentacles that enhance reattachment of breast cancer cells. <i>Oncotarget</i> , 2015, 6, 6251-6266.	0.8	27
21	Glucose-activated RUNX2 phosphorylation promotes endothelial cell proliferation and an angiogenic phenotype. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 282-292.	1.2	26
22	The combinatorial activation of the PI3K and Ras/MAPK pathways is sufficient for aggressive tumor formation, while individual pathway activation supports cell persistence. <i>Oncotarget</i> , 2015, 6, 35231-35246.	0.8	26
23	Complex Formation between S100B Protein and the p90 Ribosomal S6 Kinase (RSK) in Malignant Melanoma Is Calcium-dependent and Inhibits Extracellular Signal-regulated Kinase (ERK)-mediated Phosphorylation of RSK. <i>Journal of Biological Chemistry</i> , 2014, 289, 12886-12895.	1.6	25
24	Loss of the obscurin-RhoGEF downregulates RhoA signaling and increases microtentacle formation and attachment of breast epithelial cells. <i>Oncotarget</i> , 2014, 5, 8558-8568.	0.8	25
25	Inhibition of ovarian tumor cell invasiveness by targeting SYK in the tyrosine kinase signaling pathway. <i>Oncogene</i> , 2018, 37, 3778-3789.	2.6	22
26	Long Noncoding RNA DANCR Activates Wnt/ β -Catenin Signaling through MiR-216a Inhibition in Non-Small Cell Lung Cancer. <i>Biomolecules</i> , 2020, 10, 1646.	1.8	21
27	Physiologic estrogen receptor alpha signaling in non-tumorigenic human mammary epithelial cells. <i>Breast Cancer Research and Treatment</i> , 2006, 99, 23-33.	1.1	20
28	Mechanoactivation of NOX2-generated ROS elicits persistent TRPM8 Ca ²⁺ signals that are inhibited by oncogenic KRas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26008-26019.	3.3	19
29	Two Functional S100A4 Monomers Are Necessary for Regulating Nonmuscle Myosin-IIA and HCT116 Cell Invasion. <i>Biochemistry</i> , 2011, 50, 6920-6932.	1.2	16
30	Single-Cell Tracking of Breast Cancer Cells Enables Prediction of Sphere Formation from Early Cell Divisions. <i>IScience</i> , 2018, 8, 29-39.	1.9	16
31	Microtubule disruption reduces metastasis more effectively than primary tumor growth. <i>Breast Cancer Research</i> , 2022, 24, 13.	2.2	14
32	Pharmacologic regulation of AMPK in breast cancer affects cytoskeletal properties involved with microtentacle formation and re-attachment. <i>Oncotarget</i> , 2015, 6, 36292-36307.	0.8	13
33	Partial thermal imidization of polyelectrolyte multilayer cell tethering surfaces (TetherChip) enables efficient cell capture and microtentacle fixation for circulating tumor cell analysis. <i>Lab on A Chip</i> , 2020, 20, 2872-2888.	3.1	12
34	Distinct roles of tumor associated mutations in collective cell migration. <i>Scientific Reports</i> , 2021, 11, 10291.	1.6	12
35	Overexpressing <i>TPTE2</i> (<i>TPIP</i>), a homolog of the human tumor suppressor gene <i>PTEN</i> , rescues the abnormal phenotype of the <i>PTEN</i> ^{Δα} mutant. <i>Oncotarget</i> , 2018, 9, 21100-21121.	0.8	11
36	Real-time scratch assay reveals mechanisms of early calcium signaling in breast cancer cells in response to wounding. <i>Oncotarget</i> , 2018, 9, 25008-25024.	0.8	11

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37	A High-Throughput Screen with Isogenic PTEN ^{+/+} and PTEN ^{-/-} Cells Identifies CID1340132 as a Novel Compound That Induces Apoptosis in PTEN and PIK3CA Mutant Human Cancer Cells. <i>Journal of Biomolecular Screening</i> , 2011, 16, 383-393.	2.6	9
38	Gauging the Impact of Cancer Treatment Modalities on Circulating Tumor Cells (CTCs). <i>Cancers</i> , 2020, 12, 743.	1.7	8
39	Effects of PTEN Loss and Activated KRAS Overexpression on Mechanical Properties of Breast Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1613.	1.8	7
40	Lipid tethering of breast tumor cells reduces cell aggregation during mammosphere formation. <i>Scientific Reports</i> , 2021, 11, 3214.	1.6	7
41	Label-free cell tracking enables collective motion phenotyping in epithelial monolayers. <i>IScience</i> , 2022, 25, 104678.	1.9	6
42	Microtentacle Formation in Ovarian Carcinoma. <i>Cancers</i> , 2022, 14, 800.	1.7	3
43	Tubulin Carboxypeptidase Activity Promotes Focal Gelatin Degradation in Breast Tumor Cells and Induces Apoptosis in Breast Epithelial Cells That Is Overcome by Oncogenic Signaling. <i>Cancers</i> , 2022, 14, 1707.	1.7	3