Michele I Vitolo

List of Publications by Year
in descending order

43	1,808	279487 23	276539 41
papers	citations	h-index	g-index

45	45	45	3181
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microtentacle Formation in Ovarian Carcinoma. Cancers, 2022, 14, 800.	1.7	3
2	Microtubule disruption reduces metastasis more effectively than primary tumor growth. Breast Cancer Research, 2022, 24, 13.	2.2	14
3	Tubulin Carboxypeptidase Activity Promotes Focal Gelatin Degradation in Breast Tumor Cells and Induces Apoptosis in Breast Epithelial Cells That Is Overcome by Oncogenic Signaling. Cancers, 2022, 14, 1707.	1.7	3
4	Label-free cell tracking enables collective motion phenotyping in epithelial monolayers. IScience, 2022, 25, 104678.	1.9	6
5	Lipid tethering of breast tumor cells reduces cell aggregation during mammosphere formation. Scientific Reports, 2021, 11, 3214.	1.6	7
6	Distinct roles of tumor associated mutations in collective cell migration. Scientific Reports, 2021, 11, 10291.	1.6	12
7	Mechanoactivation of NOX2-generated ROS elicits persistent TRPM8 Ca ²⁺ signals that are inhibited by oncogenic KRas. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26008-26019.	3.3	19
8	Partial thermal imidization of polyelectrolyte multilayer cell tethering surfaces (TetherChip) enables efficient cell capture and microtentacle fixation for circulating tumor cell analysis. Lab on A Chip, 2020, 20, 2872-2888.	3.1	12
9	Long Noncoding RNA DANCR Activates Wnt/Î²-Catenin Signaling through MiR-216a Inhibition in Non-Small Cell Lung Cancer. Biomolecules, 2020, 10, 1646.	1.8	21
10	Inactivation of Arid1a in the endometrium is associated with endometrioid tumorigenesis through transcriptional reprogramming. Nature Communications, 2020, 11, 2717.	5.8	45
11	Gauging the Impact of Cancer Treatment Modalities on Circulating Tumor Cells (CTCs). Cancers, 2020, 12, 743.	1.7	8
12	A microfluidic assay for the quantification of the metastatic propensity of breast cancer specimens. Nature Biomedical Engineering, 2019, 3, 452-465.	11.6	85
13	Inhibition of ovarian tumor cell invasiveness by targeting SYK in the tyrosine kinase signaling pathway. Oncogene, 2018, 37, 3778-3789.	2.6	22
14	OverexpressingTPTE2(TPIP), a homolog of the human tumor suppressor genePTEN, rescues the abnormal phenotype of thePTENâ˜¯/â˜¯mutant. Oncotarget, 2018, 9, 21100-21121.	0.8	11
15	Real-time scratch assay reveals mechanisms of early calcium signaling in breast cancer cells in response to wounding. Oncotarget, 2018, 9, 25008-25024.	0.8	11
16	Single-Cell Tracking of Breast Cancer Cells Enables Prediction of Sphere Formation from Early Cell Divisions. IScience, 2018, 8, 29-39.	1.9	16
17	Effects of PTEN Loss and Activated KRAS Overexpression on Mechanical Properties of Breast Epithelial Cells. International Journal of Molecular Sciences, 2018, 19, 1613.	1.8	7
18	Î±-Tubulin Acetylation Elevated in Metastatic and Basal-like Breast Cancer Cells Promotes Microtentacle Formation, Adhesion, and Invasive Migration. Cancer Research, 2015, 75, 203-215.	0.4	160

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19	Loss of giant obscurins from breast epithelium promotes epithelial-to-mesenchymal transition, tumorigenicity and metastasis. Oncogene, 2015, 34, 4248-4259.	2.6	46
20	ROCK inhibition promotes microtentacles that enhance reattachment of breast cancer cells. Oncotarget, 2015, 6, 6251-6266.	0.8	27
21	Pharmacologic regulation of AMPK in breast cancer affects cytoskeletal properties involved with microtentacle formation and re-attachment. Oncotarget, 2015, 6, 36292-36307.	0.8	13
22	The combinatorial activation of the PI3K and Ras/MAPK pathways is sufficient for aggressive tumor formation, while individual pathway activation supports cell persistence. Oncotarget, 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. Journal of Biological Chemistry, 2014, 289, 12886-12895.	1.6	25
24	Curcumin Targets Breast Cancer Stemâ€“like Cells with Microtentacles That Persist in Mammospheres and Promote Reattachment. Cancer Research, 2014, 74, 1250-1260.	0.4	81
25	Loss of the obscurin-RhoGEF downregulates RhoA signaling and increases microtentacle formation and attachment of breast epithelial cells. Oncotarget, 2014, 5, 8558-8568.	0.8	25
26	Parthenolide and costunolide reduce microtentacles and tumor cell attachment by selectively targeting detyrosinated tubulin independent from NF-Î°B inhibition. Breast Cancer Research, 2013, 15, R83.	2.2	46
27	Loss of PTEN induces microtentacles through PI3K-independent activation of cofilin. Oncogene, 2013, 32, 2200-2210.	2.6	41
28	Quantitative imaging of mitochondrial and cytosolic free zinc levels in an in vitro model of ischemia/reperfusion. Journal of Bioenergetics and Biomembranes, 2012, 44, 253-263.	1.0	57
29	Glucoseâ€activated RUNX2 phosphorylation promotes endothelial cell proliferation and an angiogenic phenotype. Journal of Cellular Biochemistry, 2012, 113, 282-292.	1.2	26
30	Two Functional S100A4 Monomers Are Necessary for Regulating Nonmuscle Myosin-IIA and HCT116 Cell Invasion. Biochemistry, 2011, 50, 6920-6932.	1.2	16
31	A High-Throughput Screen with Isogenic PTEN+/+ and PTENâ^'/â^' Cells Identifies CID1340132 as a Novel Compound That Induces Apoptosis in PTEN and PIK3CA Mutant Human Cancer Cells. Journal of Biomolecular Screening, 2011, 16, 383-393.	2.6	9
32	Deletion of p53 in human mammary epithelial cells causes chromosomal instability and altered therapeutic response. Oncogene, 2010, 29, 4715-4724.	2.6	47
33	Metastatic breast tumors express increased tau, which promotes microtentacle formation and the reattachment of detached breast tumor cells. Oncogene, 2010, 29, 3217-3227.	2.6	86
34	Epithelial-to-Mesenchymal Transition Promotes Tubulin Detyrosination and Microtentacles that Enhance Endothelial Engagement. Cancer Research, 2010, 70, 8127-8137.	0.4	126
35	Knockin of mutant PIK3CA activates multiple oncogenic pathways. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2835-2840.	3.3	145
36	Deletion of PTEN Promotes Tumorigenic Signaling, Resistance to Anoikis, and Altered Response to Chemotherapeutic Agents in Human Mammary Epithelial Cells. Cancer Research, 2009, 69, 8275-8283.	0.4	79

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37	Tamoxifen-stimulated growth of breast cancer due to p21 loss. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 288-293.	3.3	86
38	The RUNX2 transcription factor cooperates with the YES-associated protein, YAP65, to promote cell transformation. Cancer Biology and Therapy, 2007, 6, 856-863.	1.5	66
39	Physiologic estrogen receptor alpha signaling in non-tumorigenic human mammary epithelial cells. Breast Cancer Research and Treatment, 2006, 99, 23-33.	1.1	20
40	MCT-1 Protein Interacts with the Cap Complex and Modulates Messenger RNA Translational Profiles. Cancer Research, 2006, 66, 8994-9001.	0.4	53
41	Anti-angiogenic activity of inositol hexaphosphate (IP6). Carcinogenesis, 2004, 25, 2115-2123.	1.3	74
42	Regulation of TGFÎ²1-mediated growth inhibition and apoptosis by RUNX2 isoforms in endothelial cells. Oncogene, 2004, 23, 4722-4734.	2.6	47
43	Beta-platelet-derived growth factor receptor mediates motility and growth of Ewing's sarcoma cells. Oncogene, 2003, 22, 2334-2342.	2.6	77