Karthikeyan Mythreye

List of Publications by Year
in descending order

47	2,066	279798 23	265206 42
papers	citations	h-index	g-index

54	54	54	3783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical Stiffness Grades Metastatic Potential in Patient Tumor Cells and in Cancer Cell Lines. Cancer Research, 2011, 71, 5075-5080.	0.9	597
2	The type III TGF-Î² receptor regulates epithelial and cancer cell migration through Î²-arrestin2-mediated activation of Cdc42. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8221-8226.	7.1	129
3	Proteoglycan signaling co-receptors: Roles in cell adhesion, migration and invasion. Cellular Signalling, 2009, 21, 1548-1558.	3.6	123
4	Reactive oxygen species in vascular endothelial cell motility. Roles of NAD(P)H oxidase and Rac1. Cardiovascular Research, 2006, 71, 236-246.	3.8	100
5	Insights into the Dichotomous Regulation of SOD2 in Cancer. Antioxidants, 2017, 6, 86.	5.1	100
6	Endoglin mediates fibronectin/Î±5Î²1 integrin and TGF-Î² pathway crosstalk in endothelial cells. EMBO Journal, 2012, 31, 3885-3900.	7.8	73
7	CDK8 Selectively Promotes the Growth of Colon Cancer Metastases in the Liver by Regulating Gene Expression of TIMP3 and Matrix Metalloproteinases. Cancer Research, 2018, 78, 6594-6606.	0.9	65
8	The microtubule-based motor Kar3 and plus endâ€“binding protein Bim1 provide structural support for the anaphase spindle. Journal of Cell Biology, 2008, 180, 91-100.	5.2	64
9	Differential kinetochore protein requirements for establishment versus propagation of centromere activity in Saccharomyces cerevisiae. Journal of Cell Biology, 2003, 160, 833-843.	5.2	58
10	TGF-Î² regulates LARG and GEF-H1 during EMT to affect stiffening response to force and cell invasion. Molecular Biology of the Cell, 2014, 25, 3528-3540.	2.1	53
11	Mediator kinase CDK8/CDK19 drives YAP1-dependent BMP4-induced EMT in cancer. Oncogene, 2018, 37, 4792-4808.	5.9	49
12	The type III transforming growth factor-Î² receptor inhibits proliferation, migration, and adhesion in human myeloma cells. Molecular Biology of the Cell, 2011, 22, 1463-1472.	2.1	48
13	Activation of Mitofusin2 by Smad2-RIN1 Complex during Mitochondrial Fusion. Molecular Cell, 2016, 62, 520-531.	9.7	41
14	GPx3 supports ovarian cancer progression by manipulating the extracellular redox environment. Redox Biology, 2019, 25, 101051.	9.0	41
15	Context-dependent activation of SIRT3 is necessary for anchorage-independent survival and metastasis of ovarian cancer cells. Oncogene, 2020, 39, 1619-1633.	5.9	37
16	Type III TGF-ÃŽÂ² receptor promotes FGF2-mediated neuronal differentiation in neuroblastoma. Journal of Clinical Investigation, 2013, 123, 4786-4798.	8.2	36
17	TAK1 activation of alpha-TAT1 and microtubule hyperacetylation control AKT signaling and cell growth. Nature Communications, 2018, 9, 1696.	12.8	35
18	Inhibin Is a Novel Paracrine Factor for Tumor Angiogenesis and Metastasis. Cancer Research, 2018, 78, 2978-2989.	0.9	32

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19	Dually modified transmembrane proteoglycans in development and disease. Cytokine and Growth Factor Reviews, 2018, 39, 124-136.	7.2	31
20	TGFÎ² signaling networks in ovarian cancer progression and plasticity. Clinical and Experimental Metastasis, 2021, 38, 139-161.	3.3	31
21	Endoglin Regulation of Smad2 Function Mediates Beclin1 Expression and Endothelial Autophagy. Journal of Biological Chemistry, 2015, 290, 14884-14892.	3.4	28
22	TGF-Î² triggers rapid fibrillogenesis via a novel TÎ²RII-dependent fibronectin-trafficking mechanism. Molecular Biology of the Cell, 2017, 28, 1195-1207.	2.1	27
23	TÎ²RIII/Î²-arrestin2 regulates integrin Î±5Î²1 trafficking, function, and localization in epithelial cells. Oncogene, 2013, 32, 1416-1427.	5.9	26
24	Endoglin inhibits ERK-induced c-Myc and cyclin D1 expression to impede endothelial cell proliferation. Biochemical and Biophysical Research Communications, 2012, 424, 620-623.	2.1	24
25	Confinement-Driven Photophysics in Cages, Covalentâ^'Organic Frameworks, Metalâ€“Organic Frameworks, and DNA. Journal of the American Chemical Society, 2020, 142, 4769-4783.	13.7	23
26	Altering the Proteoglycan State of Transforming Growth Factor Î² Type III Receptor (TÎ²RIII)/Betaglycan Modulates Canonical Wnt/Î²-Catenin Signaling. Journal of Biological Chemistry, 2016, 291, 25716-25728.	3.4	22
27	Epigenetic Regulation of GDF2 Suppresses Anoikis in Ovarian and Breast Epithelia. Neoplasia, 2015, 17, 826-838.	5.3	20
28	The type III TGF-Î² receptor regulates directional migration: New tricks for an old dog. Cell Cycle, 2009, 8, 3069-3070.	2.6	18
29	Src-mediated Post-translational Regulation of Endoglin Stability and Function Is Critical for Angiogenesis. Journal of Biological Chemistry, 2014, 289, 25486-25496.	3.4	18
30	Angiostatic actions of capsicodendrin through selective inhibition of VEGFR2-mediated AKT signaling and disregulated autophagy. Oncotarget, 2017, 8, 12675-12685.	1.8	18
31	The typeÂIII TGFÎ² receptor regulates filopodia formation via a Cdc42-mediated IRSp53â€“N-WASP interaction in epithelial cells. Biochemical Journal, 2013, 454, 79-89.	3.7	16
32	Emerging perspectives on growth factor metabolic relationships in the ovarian cancer ascites environment. Seminars in Cancer Biology, 2022, 86, 709-719.	9.6	12
33	Î²IV-spectrin as a stalk cell-intrinsic regulator of VEGF signaling. Nature Communications, 2022, 13, 1326.	12.8	11
34	Regulation of mitochondrial fission by GIPC-mediated Drp1 retrograde transport. Molecular Biology of the Cell, 2022, 33, mbcE21060286.	2.1	10
35	ApoA-I induced CD31 in bone marrow-derived vascular progenitor cells increases adhesion: Implications for vascular repair. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2008, 1781, 703-709.	2.4	7
36	A bioinformatic analysis of the inhibin-betaglycan-endoglin/CD105 network reveals prognostic value in multiple solid tumors. PLoS ONE, 2021, 16, e0249558.	2.5	7

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37	Hypoxia-induced inhibin promotes tumor growth and vascular permeability in ovarian cancers. Communications Biology, 2022, 5, .	4.4	7
38	PVT1 is a stress-responsive lncRNA that drives ovarian cancer metastasis and chemoresistance. Life Science Alliance, 2022, 5, e202201370.	2.8	7
39	HuR-dependent SOD2 protein synthesis is an early adaptation to anchorage-independence. Redox Biology, 2022, 53, 102329.	9.0	6
40	Strength and duration of GIPC-dependent signaling networks as determinants in cancer. Neoplasia, 2021, 23, 181-188.	5.3	5
41	Deoxycholate Fractionation of Fibronectin (FN) and Biotinylation Assay to Measure Recycled FN Fibrils in Epithelial Cells. Bio-protocol, 2018, 8, .	0.4	4
42	Optimization of Extracellular Flux Assay to Measure Respiration of Anchorage-independent Tumor Cell Spheroids. Bio-protocol, 2022, 12, e4321.	0.4	4
43	Emerging Roles of TGF-Î² Co-receptors in Human Disease. , 2013, , 59-89.		1
44	TÎ²RIII Restores Normal Cytoskeleton Mechanics In Ovarian Cancer Cells. Biophysical Journal, 2009, 96, 521a.	0.5	0
45	Elucidating the Impact of Betaglycan Glycosaminoglycan Chain Modification on Ectodomain Shedding and Cell Signaling in Ovarian Cancer. FASEB Journal, 2021, 35, .	0.5	0
46	TGF-beta type I receptor. The AFCS-nature Molecule Pages, 0, , .	0.2	0
47	Abstract 5041: The type III TGF-beta receptor promotes FGF2-mediated neuronal differentiation in neuroblastoma.. , 2013, , .		0