

Karthikeyan Mythreye

List of Publications by Year in descending order

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47
papers

2,066
citations

279798

23
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265206

42
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54
all docs

54
docs citations

54
times ranked

3783
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of mitochondrial fission by GIPC-mediated Drp1 retrograde transport. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21060286.	2.1	10
2	Optimization of Extracellular Flux Assay to Measure Respiration of Anchorage-independent Tumor Cell Spheroids. <i>Bio-protocol</i> , 2022, 12, e4321.	0.4	4
3	Emerging perspectives on growth factor metabolic relationships in the ovarian cancer ascites environment. <i>Seminars in Cancer Biology</i> , 2022, 86, 709-719.	9.6	12
4	Î²IV-spectrin as a stalk cell-intrinsic regulator of VEGF signaling. <i>Nature Communications</i> , 2022, 13, 1326.	12.8	11
5	HuR-dependent SOD2 protein synthesis is an early adaptation to anchorage-independence. <i>Redox Biology</i> , 2022, 53, 102329.	9.0	6
6	Hypoxia-induced inhibin promotes tumor growth and vascular permeability in ovarian cancers. <i>Communications Biology</i> , 2022, 5, .	4.4	7
7	PVT1 is a stress-responsive lncRNA that drives ovarian cancer metastasis and chemoresistance. <i>Life Science Alliance</i> , 2022, 5, e202201370.	2.8	7
8	Strength and duration of GIPC-dependent signaling networks as determinants in cancer. <i>Neoplasia</i> , 2021, 23, 181-188.	5.3	5
9	TGFÎ² signaling networks in ovarian cancer progression and plasticity. <i>Clinical and Experimental Metastasis</i> , 2021, 38, 139-161.	3.3	31
10	A bioinformatic analysis of the inhibin-betaglycan-endoglin/CD105 network reveals prognostic value in multiple solid tumors. <i>PLoS ONE</i> , 2021, 16, e0249558.	2.5	7
11	Elucidating the Impact of Betaglycan Glycosaminoglycan Chain Modification on Ectodomain Shedding and Cell Signaling in Ovarian Cancer. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
12	Context-dependent activation of SIRT3 is necessary for anchorage-independent survival and metastasis of ovarian cancer cells. <i>Oncogene</i> , 2020, 39, 1619-1633.	5.9	37
13	Confinement-Driven Photophysics in Cages, Covalentâ”Organic Frameworks, Metalâ€Organic Frameworks, and DNA. <i>Journal of the American Chemical Society</i> , 2020, 142, 4769-4783.	13.7	23
14	GPx3 supports ovarian cancer progression by manipulating the extracellular redox environment. <i>Redox Biology</i> , 2019, 25, 101051.	9.0	41
15	Dually modified transmembrane proteoglycans in development and disease. <i>Cytokine and Growth Factor Reviews</i> , 2018, 39, 124-136.	7.2	31
16	TAK1 activation of alpha-TAT1 and microtubule hyperacetylation control AKT signaling and cell growth. <i>Nature Communications</i> , 2018, 9, 1696.	12.8	35
17	Inhibin Is a Novel Paracrine Factor for Tumor Angiogenesis and Metastasis. <i>Cancer Research</i> , 2018, 78, 2978-2989.	0.9	32
18	CDK8 Selectively Promotes the Growth of Colon Cancer Metastases in the Liver by Regulating Gene Expression of TIMP3 and Matrix Metalloproteinases. <i>Cancer Research</i> , 2018, 78, 6594-6606.	0.9	65

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19	Mediator kinase CDK8/CDK19 drives YAP1-dependent BMP4-induced EMT in cancer. <i>Oncogene</i> , 2018, 37, 4792-4808.	5.9	49
20	Deoxycholate Fractionation of Fibronectin (FN) and Biotinylation Assay to Measure Recycled FN Fibrils in Epithelial Cells. <i>Bio-protocol</i> , 2018, 8, .	0.4	4
21	TGF- β 2 triggers rapid fibrillogenesis via a novel T β RII-dependent fibronectin-trafficking mechanism. <i>Molecular Biology of the Cell</i> , 2017, 28, 1195-1207.	2.1	27
22	Insights into the Dichotomous Regulation of SOD2 in Cancer. <i>Antioxidants</i> , 2017, 6, 86.	5.1	100
23	Angiostatic actions of capsicodendrin through selective inhibition of VEGFR2-mediated AKT signaling and dysregulated autophagy. <i>Oncotarget</i> , 2017, 8, 12675-12685.	1.8	18
24	Activation of Mitofusin2 by Smad2-RIN1 Complex during Mitochondrial Fusion. <i>Molecular Cell</i> , 2016, 62, 520-531.	9.7	41
25	Altering the Proteoglycan State of Transforming Growth Factor β 2 Type III Receptor (T β RIII)/Betaglycan Modulates Canonical Wnt/ β -Catenin Signaling. <i>Journal of Biological Chemistry</i> , 2016, 291, 25716-25728.	3.4	22
26	Epigenetic Regulation of GDF2 Suppresses Anoikis in Ovarian and Breast Epithelia. <i>Neoplasia</i> , 2015, 17, 826-838.	5.3	20
27	Endoglin Regulation of Smad2 Function Mediates Beclin1 Expression and Endothelial Autophagy. <i>Journal of Biological Chemistry</i> , 2015, 290, 14884-14892.	3.4	28
28	TGF- β 2 regulates LARG and GEF-H1 during EMT to affect stiffening response to force and cell invasion. <i>Molecular Biology of the Cell</i> , 2014, 25, 3528-3540.	2.1	53
29	Src-mediated Post-translational Regulation of Endoglin Stability and Function Is Critical for Angiogenesis. <i>Journal of Biological Chemistry</i> , 2014, 289, 25486-25496.	3.4	18
30	T β RIII/ β 2-arrestin2 regulates integrin α 5 β 1 trafficking, function, and localization in epithelial cells. <i>Oncogene</i> , 2013, 32, 1416-1427.	5.9	26
31	The type III TGF- β 2 receptor regulates filopodia formation via a Cdc42-mediated IRSp53 β -N-WASP interaction in epithelial cells. <i>Biochemical Journal</i> , 2013, 454, 79-89.	3.7	16
32	Type III TGF- β 2 receptor promotes FGF2-mediated neuronal differentiation in neuroblastoma. <i>Journal of Clinical Investigation</i> , 2013, 123, 4786-4798.	8.2	36
33	Emerging Roles of TGF- β 2 Co-receptors in Human Disease. , 2013, , 59-89.		1
34	Abstract 5041: The type III TGF- β 2 receptor promotes FGF2-mediated neuronal differentiation in neuroblastoma. , 2013, , .		0
35	Endoglin inhibits ERK-induced c-Myc and cyclin D1 expression to impede endothelial cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2012, 424, 620-623.	2.1	24
36	Endoglin mediates fibronectin/ α 5 β 1 integrin and TGF- β 2 pathway crosstalk in endothelial cells. <i>EMBO Journal</i> , 2012, 31, 3885-3900.	7.8	73

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37	The type III transforming growth factor- β receptor inhibits proliferation, migration, and adhesion in human myeloma cells. <i>Molecular Biology of the Cell</i> , 2011, 22, 1463-1472.	2.1	48
38	Mechanical Stiffness Grades Metastatic Potential in Patient Tumor Cells and in Cancer Cell Lines. <i>Cancer Research</i> , 2011, 71, 5075-5080.	0.9	597
39	The type III TGF- β receptor regulates directional migration: New tricks for an old dog. <i>Cell Cycle</i> , 2009, 8, 3069-3070.	2.6	18
40	The type III TGF- β receptor regulates epithelial and cancer cell migration through β -arrestin2-mediated activation of Cdc42. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8221-8226.	7.1	129
41	Proteoglycan signaling co-receptors: Roles in cell adhesion, migration and invasion. <i>Cellular Signalling</i> , 2009, 21, 1548-1558.	3.6	123
42	TGF β RIII Restores Normal Cytoskeleton Mechanics In Ovarian Cancer Cells. <i>Biophysical Journal</i> , 2009, 96, 521a.	0.5	0
43	ApoA-I induced CD31 in bone marrow-derived vascular progenitor cells increases adhesion: Implications for vascular repair. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 703-709.	2.4	7
44	The microtubule-based motor Kar3 and plus end-binding protein Bim1 provide structural support for the anaphase spindle. <i>Journal of Cell Biology</i> , 2008, 180, 91-100.	5.2	64
45	Reactive oxygen species in vascular endothelial cell motility. Roles of NAD(P)H oxidase and Rac1. <i>Cardiovascular Research</i> , 2006, 71, 236-246.	3.8	100
46	Differential kinetochore protein requirements for establishment versus propagation of centromere activity in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2003, 160, 833-843.	5.2	58
47	TGF-beta type I receptor. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	0