

Sanjukta Chakraborty

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,113
citations

394421

19
h-index

414414

32
g-index

61
all docs

61
docs citations

61
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of genes associated with tumorigenesis of retinoblastoma by microarray analysis. <i>Genomics</i> , 2007, 90, 344-353.	2.9	100
2	Involvement of TSC genes and differential expression of other members of the mTOR signaling pathway in oral squamous cell carcinoma. <i>BMC Cancer</i> , 2008, 8, 163.	2.6	92
3	Inhibition of myosin light chain phosphorylation decreases rat mesenteric lymphatic contractile activity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H726-H734.	3.2	61
4	Emerging trends in the pathophysiology of lymphatic contractile function. <i>Seminars in Cell and Developmental Biology</i> , 2015, 38, 55-66.	5.0	61
5	Lymphatic system: a vital link between metabolic syndrome and inflammation. <i>Annals of the New York Academy of Sciences</i> , 2010, 1207, E94-102.	3.8	59
6	Lymphatic Filariasis: Perspectives on Lymphatic Remodeling and Contractile Dysfunction in Filarial Disease Pathogenesis. <i>Microcirculation</i> , 2013, 20, 349-364.	1.8	58
7	MicroRNA signature of inflamed lymphatic endothelium and role of miR-9 in lymphangiogenesis and inflammation. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C680-C692.	4.6	53
8	Hyperglycemia and hyperinsulinemia induced insulin resistance causes alterations in cellular bioenergetics and activation of inflammatory signaling in lymphatic muscle. <i>FASEB Journal</i> , 2017, 31, 2744-2759.	0.5	51
9	Hypoxic tumor microenvironment: Implications for cancer therapy. <i>Experimental Biology and Medicine</i> , 2020, 245, 1073-1086.	2.4	49
10	Lipopolysaccharide modulates neutrophil recruitment and macrophage polarization on lymphatic vessels and impairs lymphatic function in rat mesentery. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H2042-H2057.	3.2	46
11	Inflammation and Progression of Cholangiocarcinoma: Role of Angiogenic and Lymphangiogenic Mechanisms. <i>Frontiers in Medicine</i> , 2019, 6, 293.	2.6	38
12	Substance P Activates Both Contractile and Inflammatory Pathways in Lymphatics Through the Neurokinin Receptors NK1R and NK3R. <i>Microcirculation</i> , 2011, 18, 24-35.	1.8	35
13	Differential effects of myosin light chain kinase inhibition on contractility, force development and myosin light chain 20 phosphorylation of rat cervical and thoracic duct lymphatics. <i>Journal of Physiology</i> , 2011, 589, 5415-5429.	2.9	34
14	Macrophage alterations within the mesenteric lymphatic tissue are associated with impairment of lymphatic pump in metabolic syndrome. <i>Microcirculation</i> , 2016, 23, 558-570.	1.8	33
15	Identification of genes associated with tumorigenesis of meibomian cell carcinoma by microarray analysis. <i>Genomics</i> , 2007, 90, 559-566.	2.9	30
16	PKC activation increases Ca ²⁺ sensitivity of permeabilized lymphatic muscle via myosin light chain 20 phosphorylation-dependent and -independent mechanisms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H674-H683.	3.2	26
17	CXCL11-CXCR3 Axis Mediates Tumor Lymphatic Cross Talk and Inflammation-Induced Tumor, Promoting Pathways in Head and Neck Cancers. <i>American Journal of Pathology</i> , 2020, 190, 900-915.	3.8	26
18	The Apelin-Apelin Receptor Axis Triggers Cholangiocyte Proliferation and Liver Fibrosis During Mouse Models of Cholestasis. <i>Hepatology</i> , 2021, 73, 2411-2428.	7.3	24

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19	Analysis of long-term culture properties and pluripotent character of two sibling human embryonic stem cell lines derived from discarded embryos. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2010, 46, 200-205.	1.5	22
20	Targeting Lymphangiogenesis and Lymph Node Metastasis in Liver Cancer. <i>American Journal of Pathology</i> , 2021, 191, 2052-2063.	3.8	22
21	Insulin resistance disrupts cell integrity, mitochondrial function, and inflammatory signaling in lymphatic endothelium. <i>Microcirculation</i> , 2018, 25, e12492.	1.8	18
22	The Functional Roles of Immune Cells in Primary Liver Cancer. <i>American Journal of Pathology</i> , 2022, 192, 826-836.	3.8	17
23	Biliary Epithelial Senescence in Liver Disease: There Will Be SASP. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 803098.	3.5	15
24	Roles of sarcoplasmic reticulum Ca ²⁺ ATPase pump in the impairments of lymphatic contractile activity in a metabolic syndrome rat model. <i>Scientific Reports</i> , 2020, 10, 12320.	3.3	14
25	Neuropeptide Substance P Enhances Inflammation-Mediated Tumor Signaling Pathways and Migration and Proliferation of Head and Neck Cancers. <i>Indian Journal of Surgical Oncology</i> , 2021, 12, 93-102.	0.7	14
26	Gene Expression Profiling of Oral Squamous Cell Carcinoma by Differential Display RT-PCR and Identification of Tumor Biomarkers. <i>Indian Journal of Surgical Oncology</i> , 2010, 1, 284-293.	0.7	13
27	Lymphangion-chip: a microphysiological system which supports co-culture and bidirectional signaling of lymphatic endothelial and muscle cells. <i>Lab on A Chip</i> , 2021, 22, 121-135.	6.0	13
28	Fibronectin increases the force production of mouse papillary muscles via $\alpha 5 \beta 1$ integrin. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 203-213.	1.9	12
29	The $\alpha 1$ -integrin plays a key role in LEC invasion in an optimized 3-D collagen matrix model. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C1045-C1058.	4.6	12
30	Tumor Lymphatic Interactions Induce CXCR2-CXCL5 Axis and Alter Cellular Metabolism and Lymphangiogenic Pathways to Promote Cholangiocarcinoma. <i>Cells</i> , 2021, 10, 3093.	4.1	12
31	Cholangiocarcinoma: bridging the translational gap from preclinical to clinical development and implications for future therapy. <i>Expert Opinion on Investigational Drugs</i> , 2021, 30, 365-375.	4.1	10
32	Citrus nomilin down-regulates TNF- α -induced proliferation of aortic smooth muscle cells via apoptosis and inhibition of I κ B. <i>European Journal of Pharmacology</i> , 2017, 811, 93-100.	3.5	8
33	Molecular Mechanisms Linking Risk Factors to Cholangiocarcinoma Development. <i>Cancers</i> , 2022, 14, 1442.	3.7	6
34	The Effects of Taurocholic Acid on Biliary Damage and Liver Fibrosis Are Mediated by Calcitonin-Gene-Related Peptide Signaling. <i>Cells</i> , 2022, 11, 1591.	4.1	6
35	Development and Characterization of Human Primary Cholangiocarcinoma Cell Lines. <i>American Journal of Pathology</i> , 2022, 192, 1200-1217.	3.8	6
36	Inflammatory state of lymphatic vessels and miRNA profiles associated with relapse in ovarian cancer patients. <i>PLoS ONE</i> , 2020, 15, e0230092.	2.5	4

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37	Experimental validation of numerical predictions for “Deviant” density enhancement of protein emulsions in oil (Oleo-Nanofluids). SN Applied Sciences, 2020, 2, 1.	2.9	2
38	Identification of miR-203a, mir-10a, and miR-194 as predictors for risk of lymphovascular invasion in head and neck cancers. Oncotarget, 2021, 12, 1499-1519.	1.8	2
39	LPS mediated decreases in immune cells recruitment on or near lymphatics impairs lymphatic contractility. FASEB Journal, 2013, 27, 681.5.	0.5	2
40	FGF1 Signaling Modulates Biliary Injury and Liver Fibrosis in the Mdr2 ^{-/-} Mouse Model of Primary Sclerosing Cholangitis. Hepatology Communications, 2022, 6, 1574-1588.	4.3	2
41	Intracellular calcium dynamics of lymphatic endothelial and muscle cells co-cultured in a Lymphangion-Chip under pulsatile flow. Analyst, The, 2022, 147, 2953-2965.	3.5	2
42	Isolation of Lymphatic Muscle Cells (LMCs) from Rat Mesentery. Methods in Molecular Biology, 2021, 2319, 137-141.	0.9	1
43	Role of nomilin in regulation of inflammatory pathways potentiated by Substance P and TNF α in cardiovascular cells. FASEB Journal, 2011, 25, lb489.	0.5	1
44	Hypertensive Stimuli Indirectly Stimulate Lymphangiogenesis through Immune Cell Secreted Factors. Cells, 2022, 11, 2139.	4.1	1
45	A study of different cylindrical thin-shell wormholes with a newly introduced stability criterion. European Physical Journal Plus, 2018, 133, 1.	2.6	0
46	Serotonin Induces Inflammatory Cytokine Production and Regulates Lymphatic Endothelial Cell Function. FASEB Journal, 2021, 35, .	0.5	0
47	Conjugated Bile Acids Activate Lymphangiogenic Pathways, Induce Chemokine Production and Significantly Alter Cellular Metabolism in Lymphatic Endothelial Cells. FASEB Journal, 2021, 35, .	0.5	0
48	Critical alterations in cellular bioenergetics and epithelial \rightarrow mesenchymal transition mediated by crosstalk between tumor cells and lymphatic vasculature augments tumor progression in cholangiocarcinoma. FASEB Journal, 2021, 35, .	0.5	0
49	Quantifying Lymphatic Endothelial Cell Morphological Changes in Response to Fluid Shear Stress, Cyclic Strain, or Combined Stress and Strain In Vitro. FASEB Journal, 2021, 35, .	0.5	0
50	Substance P activates both inflammatory and contractile signaling pathways in the lymphatics through neurokinin receptors. FASEB Journal, 2010, 24, 777.15.	0.5	0
51	Development of siRNA strategy to knockdown the regulatory contractile proteins in lymphatic muscle. FASEB Journal, 2010, 24, lb678.	0.5	0
52	TNF α mediated regulation of myosin light chain 20 phosphorylation in lymphatic muscle. FASEB Journal, 2012, 26, 677.6.	0.5	0
53	Immune cell mediated regulation of lymphatic contractility during inflammation. FASEB Journal, 2013, 27, 1131.17.	0.5	0
54	SUBSTANCE P REGULATES INFLAMMATORY PATHWAYS IN LYMPHATIC MUSCLE. FASEB Journal, 2018, 32, 576.6.	0.5	0

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55	Abstract B174: Co-expression of stimulators and inhibitors of T-cell activation in melanoma. , 2019, , .		0
56	Sex Differences in Sepsis Survival Involve Effects of Gonadal Steroid Hormones. FASEB Journal, 2020, 34, 1-1.	0.5	0
57	Abstract 3946: Tumor checkpoint inhibitor profiling for an optimal clinical response. , 2019, , .		0
58	Lipocalinâ€2 Stimulates Proliferation and a Profibrotic Cholangiocyte Phenotype during Cholestasis. FASEB Journal, 2022, 36, .	0.5	0
59	Conjugated Bile Acids activate Reactive Oxygen Speciesâ€p90RSKâ€Vascular Endothelial Growth Factor Receptor 3 signaling axis to promote lymphangiogenesis. FASEB Journal, 2022, 36, .	0.5	0