Suresh K Alahari

List of Publications by Year
in descending order

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63 papers	5,873 citations	136950 32 h-index	144013 57 g-index
63 all docs	63 docs citations	63 times ranked	8521 citing authors

#	Article	IF	Citations
1	Exosomes: composition, biogenesis, and mechanisms in cancer metastasis and drug resistance. Molecular Cancer, 2019, 18, 75.	19.2	853
2	Integrin signaling and cell growth control. Current Opinion in Cell Biology, 1998, 10, 220-231.	5.4	629
3	MicroRNA function in cancer: oncogene or a tumor suppressor?. Cancer and Metastasis Reviews, 2009, 28, 369-378.	5.9	613
4	Regulation of epithelial-mesenchymal transition through epigenetic and post-translational modifications. Molecular Cancer, 2016, 15, 18.	19.2	552
5	miRNA control of tumor cell invasion and metastasis. International Journal of Cancer, 2010, 126, 1283-1290.	5.1	250
6	Molecular mechanisms controlling E-cadherin expression in breast cancer. Biochemical and Biophysical Research Communications, 2009, 384, 6-11.	2.1	202
7	Important role of integrins in the cancer biology. Cancer and Metastasis Reviews, 2010, 29, 223-237.	5.9	201
8	Nischarin, a Novel Protein That Interacts with the Integrin Î±5 Subunit and Inhibits Cell Migration. Journal of Cell Biology, 2000, 151, 1141-1154.	5.2	161
9	Prooncogenic Factors miR-23b and miR-27b Are Regulated by Her2/Neu, EGF, and TNF-Î± in Breast Cancer. Cancer Research, 2013, 73, 2884-2896.	0.9	158
10	Long noncoding RNAs and exosomal lncRNAs: classification, and mechanisms in breast cancer metastasis and drug resistance. Oncogene, 2020, 39, 953-974.	5.9	146
11	Role of Rho GTPases and their regulators in cancer progression. Frontiers in Bioscience - Landmark, 2011, 16, 2561.	3.0	138
12	Characterization of Complexes of Oligonucleotides with Polyamidoamine Starburst Dendrimers and Effects on Intracellular Delivery. Journal of Pharmaceutical Sciences, 1997, 86, 762-764.	3.3	125
13	Cell matrix adhesions in cancer: The proteins that form the glue. Oncotarget, 2017, 8, 48471-48487.	1.8	120
14	The integrin-binding protein Nischarin regulates cell migration by inhibiting PAK. EMBO Journal, 2004, 23, 2777-2788.	7.8	113
15	Nischarin Inhibits LIM Kinase To Regulate Cofilin Phosphorylation and Cell Invasion. Molecular and Cellular Biology, 2008, 28, 3742-3756.	2.3	94
16	PDZK1 Is a Novel Factor in Breast Cancer That Is Indirectly Regulated by Estrogen through IGF-1R and Promotes Estrogen-Mediated Growth. Molecular Medicine, 2013, 19, 253-262.	4.4	90
17	ST14 (Suppression of Tumorigenicity 14) Gene Is a Target for miR-27b, and the Inhibitory Effect of ST14 on Cell Growth Is Independent of miR-27b Regulation. Journal of Biological Chemistry, 2009, 284, 23094-23106.	3.4	89
18	Integrin-mediated function of Rab GTPases in cancer progression. Molecular Cancer, 2010, 9, 312.	19.2	89

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19	The roles of oncogenic miRNAs and their therapeutic importance in breast cancer. European Journal of Cancer, 2017, 72, 1-11.	2.8	87
20	Repurposing existing drugs for the treatment of COVID-19/SARS-CoV-2 infection: A review describing drug mechanisms of action. Biochemical Pharmacology, 2021, 183, 114296.	4.4	79
21	Biological aspects of signal transduction by cell adhesion receptors. International Review of Cytology, 2002, 220, 145-184.	6.2	76
22	Calcium-dependent properties of CIB binding to the integrin Î±IIb cytoplasmic domain and translocation to the platelet cytoskeleton. Biochemical Journal, 1999, 342, 729-735.	3.7	67
23	Stromal Cells and Integrins: Conforming to the Needs of the Tumor Microenvironment. Neoplasia, 2009, 11, 1264-1271.	5.3	62
24	Understanding the role of integrins in breast cancer invasion, metastasis, angiogenesis, and drug resistance. Oncogene, 2021, 40, 1043-1063.	5.9	61
25	Nischarin inhibits Rac induced migration and invasion of epithelial cells by affecting signaling cascades involving PAK. Experimental Cell Research, 2003, 288, 415-424.	2.6	60
26	The fission yeast prp4+gene involved in pre-mRNA splicing codes for a predicted serine/threonine kinase and is essential for growth. Nucleic Acids Research, 1993, 21, 4079-4083.	14.5	57
27	prp4 from Schizosaccharomyces pombe, a mutant deficient in pre-mRNA splicing isolated using genes containing artificial introns. Molecular Genetics and Genomics, 1991, 226-226, 305-309.	2.4	55
28	Molecular Characterization of the Tumor-Suppressive Function of Nischarin in Breast Cancer. Journal of the National Cancer Institute, 2011, 103, 1513-1528.	6.3	54
29	Suppression of PDHX by microRNA-27b deregulates cell metabolism and promotes growth in breast cancer. Molecular Cancer, 2018, 17, 100.	19.2	52
30	Hippo pathway: Regulation, deregulation and potential therapeutic targets in cancer. Cancer Letters, 2021, 507, 112-123.	7.2	52
31	Breast Cancer Tumor Suppressors: A Special Emphasis on Novel Protein Nischarin. Cancer Research, 2015, 75, 4252-4259.	0.9	46
32	Rac and Rab GTPases dual effector Nischarin regulates vesicle maturation to facilitate survival of intracellular bacteria. EMBO Journal, 2013, 32, 713-727.	7.8	39
33	A membrane proximal region of the integrin alpha5 subunit is important for its interaction with nischarin. Biochemical Journal, 2004, 377, 449-457.	3.7	33
34	Integrin-binding Protein Nischarin Interacts with Tumor Suppressor Liver Kinase B1 (LKB1) to Regulate Cell Migration of Breast Epithelial Cells. Journal of Biological Chemistry, 2013, 288, 15495-15509.	3.4	32
35	Exosomes from Nischarin-Expressing Cells Reduce Breast Cancer Cell Motility and Tumor Growth. Cancer Research, 2019, 79, 2152-2166.	0.9	32
36	Nischarin regulates focal adhesion and Invadopodia formation in breast cancer cells. Molecular Cancer, 2018, 17, 21.	19.2	30

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37	SARS-CoV infection crosstalk with human host cell noncoding-RNA machinery: An in-silico approach. Biomedicine and Pharmacotherapy, 2020, 130, 110548.	5.6	29
38	In vitro transport and delivery of antisense oligonucleotides. Methods in Enzymology, 2000, 313, 342-358.	1.0	26
39	Nischarin inhibition alters energy metabolism by activating AMP-activated protein kinase. Journal of Biological Chemistry, 2017, 292, 16833-16846.	3.4	25
40	Role of Long Noncoding RNAs in Neoplasia: Special Emphasis on Prostate Cancer. International Review of Cell and Molecular Biology, 2016, 324, 229-254.	3.2	22
41	Expression of long noncoding RNA MALAT1 correlates with increased levels of Nischarin and inhibits oncogenic cell functions in breast cancer. PLoS ONE, 2018, 13, e0198945.	2.5	21
42	MicroRNA and Breast Cancer: Understanding Pathogenesis, Improving Management. Non-coding RNA, 2015, 1, 17-43.	2.6	20
43	Global Sex Disparity of COVID-19: A Descriptive Review of Sex Hormones and Consideration for the Potential Therapeutic Use of Hormone Replacement Therapy in Older Adults. , 2021, 12, 671.		18
44	Ceritinib is a novel triple negative breast cancer therapeutic agent. Molecular Cancer, 2022, 21, .	19.2	14
45	Integrin regulation of receptor tyrosine kinase and G protein-coupled receptor signaling to mitogen-activated protein kinases. Methods in Enzymology, 2001, 333, 151-163.	1.0	13
46	Knockout model reveals the role of Nischarin in mammary gland development, breast tumorigenesis and response to metformin treatment. International Journal of Cancer, 2020, 146, 2576-2587.	5.1	11
47	Development of insulin resistance in Nischarin mutant female mice. International Journal of Obesity, 2019, 43, 1046-1057.	3.4	10
48	Primary Tumor and MEF Cell Isolation to Study Lung Metastasis. Journal of Visualized Experiments, 2015, , e52609.	0.3	9
49	Are Macrophages in Tumors Good Targets for Novel Therapeutic Approaches?. Molecules and Cells, 2015, 38, 95-104.	2.6	9
50	Combination treatment of bicalutamide and curcumin has a strong therapeutic effect on androgen receptor-positive triple-negative breast cancers. Anti-Cancer Drugs, 2020, 31, 359-367.	1.4	8
51	Hippo signaling pathway: A comprehensive gene expression profile analysis in breast cancer. Biomedicine and Pharmacotherapy, 2022, 151, 113144.	5.6	8
52	Role of Nischarin in the pathology of diseases: a special emphasis on breast cancer. Oncogene, 2022, 41, 1079-1086.	5.9	6
53	NR4A Family Genes: A Review of Comprehensive Prognostic and Gene Expression Profile Analysis in Breast Cancer. Frontiers in Oncology, 2022, 12, 777824.	2.8	6
54	Measurement of cell traction force with a thin film PDMS cantilever. Biomedical Microdevices, 2017, 19, 97.	2.8	5

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55	FACS-based Glucose Uptake Assay of Mouse Embryonic Fibroblasts and Breast Cancer Cells Using 2-NBDG Probe. Bio-protocol, 2018, 8, e2816.	0.4	5
56	Evaluation of liver kinase B1 downstream signaling expression in various breast cancers and relapse free survival after systemic chemotherapy treatment. Oncotarget, 2021, 12, 1110-1115.	1.8	4
57	Mapping of the gene for Nischarin, a Novel Integrin Binding Protein, to Chromosome 3 by Fluorescence In Situ Hybridization. International Journal of Human Genetics, 2001, 1, 271-274.	0.1	2
58	The Non-Coding RNA Journal Club: Highlights on Recent Papersâ€”7. Non-coding RNA, 2019, 5, 40.	2.6	2
59	Nischarin Deletion Reduces Oxidative Metabolism and Overall ATP: A Study Using a Novel NISCHÎ”5-6 Knockout Mouse Model. International Journal of Molecular Sciences, 2022, 23, 1374.	4.1	2
60	Role of SPDEF gene enhancer and promoter methylation in prostate cancer cell metastasis and therapeutic resistance. FASEB Journal, 2021, 35, .	0.5	1
61	A novel NSC small molecule inhibitor inhibits proliferation of tripleâ€negative breast cancer cells through metabolic reprograming. FASEB Journal, 2022, 36, .	0.5	0
62	Small Molecule Anticancer Compound Modulates Cell Cycle DNA Damage Response Pathway and Inhibit Tumorigenesis in Triple Negative Breast Cancer. FASEB Journal, 2022, 36, .	0.5	0
63	Abstract 1477: Circulating miR-125a-3p and miR-451a may be liquid biopsy biomarkers for the diagnosis of breast cancer. Cancer Research, 2022, 82, 1477-1477.	0.9	0