

# Shoukat Dedhar

## List of Publications by Year in descending order

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84  
papers

12,914  
citations

50170

46  
h-index

60497

81  
g-index

86  
all docs

86  
docs citations

86  
times ranked

14369  
citing authors

#	ARTICLE	IF	CITATIONS
1	The epithelialâ€mesenchymal transition: new insights in signaling, development, and disease. <i>Journal of Cell Biology</i> , 2006, 172, 973-981.	2.3	1,819
2	Guidelines and definitions for research on epithelialâ€mesenchymal transition. <i>Nature Reviews Molecular Cell Biology</i> , 2020, 21, 341-352.	16.1	1,195
3	Regulation of cell adhesion and anchorage-dependent growth by a new $\beta$ 1-integrin-linked protein kinase. <i>Nature</i> , 1996, 379, 91-96.	13.7	1,044
4	Targeting Tumor Hypoxia: Suppression of Breast Tumor Growth and Metastasis by Novel Carbonic Anhydrase IX Inhibitors. <i>Cancer Research</i> , 2011, 71, 3364-3376.	0.4	662
5	Integrin-linked kinase: a cancer therapeutic target unique among its ILK. <i>Nature Reviews Cancer</i> , 2005, 5, 51-63.	12.8	554
6	NGF-Induced Axon Growth Is Mediated by Localized Inactivation of GSK-3 $\beta$ and Functions of the Microtubule Plus End Binding Protein APC. <i>Neuron</i> , 2004, 42, 897-912.	3.8	507
7	Ureido-Substituted Benzenesulfonamides Potently Inhibit Carbonic Anhydrase IX and Show Antimetastatic Activity in a Model of Breast Cancer Metastasis. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1896-1902.	2.9	443
8	Integrin-linked kinase (ILK) and its interactors. <i>Journal of Cell Biology</i> , 2001, 155, 505-510.	2.3	435
9	Regulation of Protein Kinase B/Akt-Serine 473 Phosphorylation by Integrin-linked Kinase. <i>Journal of Biological Chemistry</i> , 2001, 276, 27462-27469.	1.6	432
10	Recent Developments in Targeting Carbonic Anhydrase IX for Cancer Therapeutics. <i>Oncotarget</i> , 2012, 3, 84-97.	0.8	365
11	Integrin-linked kinase â€ essential roles in physiology and cancer biology. <i>Journal of Cell Science</i> , 2008, 121, 3121-3132.	1.2	316
12	Integrin-linked Protein Kinase Regulates Fibronectin Matrix Assembly, E-cadherin Expression, and Tumorigenicity. <i>Journal of Biological Chemistry</i> , 1998, 273, 528-536.	1.6	257
13	Regulation of tumor angiogenesis by integrin-linked kinase (ILK). <i>Cancer Cell</i> , 2004, 5, 79-90.	7.7	249
14	Conditional Knock-out of Integrin-linked Kinase Demonstrates an Essential Role in Protein Kinase B/Akt Activation. <i>Journal of Biological Chemistry</i> , 2003, 278, 22374-22378.	1.6	248
15	Glycosyl Coumarin Carbonic Anhydrase IX and XII Inhibitors Strongly Attenuate the Growth of Primary Breast Tumors. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 8271-8277.	2.9	228
16	The Integrin-linked Kinase Regulates the Cyclin D1 Gene through Glycogen Synthase Kinase 3 $\beta$ and cAMP-responsive Element-binding Protein-dependent Pathways. <i>Journal of Biological Chemistry</i> , 2000, 275, 32649-32657.	1.6	225
17	Tumor Suppressor Pten Inhibits Nuclear Accumulation of $\beta$ -Catenin and T Cell/Lymphoid Enhancer Factor 1â€Mediated Transcriptional Activation. <i>Journal of Cell Biology</i> , 2001, 153, 1161-1174.	2.3	224
18	Inactivation of the Hippo tumour suppressor pathway by integrin-linked kinase. <i>Nature Communications</i> , 2013, 4, 2976.	5.8	176

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19	Cell-Extracellular Matrix Interactions Stimulate the AP-1 Transcription Factor in an Integrin-Linked Kinase- and Glycogen Synthase Kinase 3-Dependent Manner. <i>Molecular and Cellular Biology</i> , 1999, 19, 7420-7427.	1.1	155
20	Regulation of pH by Carbonic Anhydrase 9 Mediates Survival of Pancreatic Cancer Cells With Activated KRAS in Response to Hypoxia. <i>Gastroenterology</i> , 2019, 157, 823-837.	0.6	153
21	Targeted ablation of ILK from the murine heart results in dilated cardiomyopathy and spontaneous heart failure. <i>Genes and Development</i> , 2006, 20, 2355-2360.	2.7	151
22	A Phase 1 Study of SLC-0111, a Novel Inhibitor of Carbonic Anhydrase IX, in Patients With Advanced Solid Tumors. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2020, 43, 484-490.	0.6	141
23	Integration of Cell Attachment, Cytoskeletal Localization, and Signaling by Integrin-linked Kinase (ILK), CH-ILKBP, and the Tumor Suppressor PTEN. <i>Molecular Biology of the Cell</i> , 2003, 14, 4813-4825.	0.9	129
24	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. <i>Metabolites</i> , 2020, 10, 412.	1.3	116
25	Mammary epithelial-specific expression of the integrin linked kinase (ILK) results in the induction of mammary gland hyperplasias and tumors in transgenic mice. <i>Oncogene</i> , 2001, 20, 7064-7072.	2.6	115
26	Epithelialâ€mesenchymal transition (EMT) is not sufficient for spontaneous murine breast cancer metastasis. <i>Developmental Dynamics</i> , 2008, 237, 2755-2768.	0.8	114
27	Preferential Dependence of Breast Cancer Cells versus Normal Cells on Integrin-Linked Kinase for Protein Kinase B/Akt Activation and Cell Survival. <i>Cancer Research</i> , 2006, 66, 393-403.	0.4	113
28	Carbonic Anhydrase IX Promotes Myeloid-Derived Suppressor Cell Mobilization and Establishment of a Metastatic Niche by Stimulating G-CSF Production. <i>Cancer Research</i> , 2015, 75, 996-1008.	0.4	111
29	Integrin-linked kinase localizes to the centrosome and regulates mitotic spindle organization. <i>Journal of Cell Biology</i> , 2008, 180, 681-689.	2.3	110
30	Overcoming Hypoxia-Mediated Tumor Progression: Combinatorial Approaches Targeting pH Regulation, Angiogenesis and Immune Dysfunction. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 27.	1.8	107
31	Targeting Hypoxia-Induced Carbonic Anhydrase IX Enhances Immune-Checkpoint Blockade Locally and Systemically. <i>Cancer Immunology Research</i> , 2019, 7, 1064-1078.	1.6	104
32	Inhibition of ILK in PTEN-mutant human glioblastomas inhibits PKB/Akt activation, induces apoptosis, and delays tumor growth. <i>Oncogene</i> , 2005, 24, 3596-3605.	2.6	101
33	Targeting hypoxic tumour cells to overcome metastasis. <i>BMC Cancer</i> , 2011, 11, 504.	1.1	96
34	Addition of carbonic anhydrase 9 inhibitor SLC-0111 to temozolomide treatment delays glioblastoma growth in vivo. <i>JCI Insight</i> , 2017, 2, .	2.3	94
35	Mapping the Integrin-Linked Kinase Interactome Using SILAC. <i>Journal of Proteome Research</i> , 2008, 7, 1740-1749.	1.8	90
36	Targeting hypoxic response for cancer therapy. <i>Oncotarget</i> , 2016, 7, 13464-13478.	0.8	80

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37	Novel Matrix Metalloproteinase Inhibitor [ <sup>18</sup> F]Marimastat-Aryltrifluoroborate as a Probe for <i>In vivo</i> Positron Emission Tomography Imaging in Cancer. <i>Cancer Research</i> , 2010, 70, 7562-7569.	0.4	79
38	Integrin-Linked Kinase Is a Functional Mn <sup>2+</sup> -Dependent Protein Kinase that Regulates Glycogen Synthase Kinase-3 <sup>β</sup> (GSK-3 <sup>β</sup> ) Phosphorylation. <i>PLoS ONE</i> , 2010, 5, e12356.	1.1	77
39	Genome-wide synthetic lethal screen unveils novel CAIX-NFS1/xCT axis as a targetable vulnerability in hypoxic solid tumors. <i>Science Advances</i> , 2021, 7, .	4.7	65
40	An Essential Role for the Integrin-Linked Kinase-Glycogen Synthase Kinase-3 <sup>β</sup> Pathway during Dendrite Initiation and Growth. <i>Journal of Neuroscience</i> , 2006, 26, 13344-13356.	1.7	64
41	Suppression of VEGF secretion and changes in glioblastoma multiforme microenvironment by inhibition of Integrin-linked kinase (ILK). <i>Molecular Cancer Therapeutics</i> , 2008, 7, 59-70.	1.9	62
42	QLT0267, a small molecule inhibitor targeting integrin-linked kinase (ILK), and docetaxel can combine to produce synergistic interactions linked to enhanced cytotoxicity, reductions in P-AKT levels, altered F-actin architecture and improved treatment outcomes in an orthotopic breast cancer model. <i>Breast Cancer Research</i> , 2009, 11, R25.	2.2	60
43	Aortic Aneurysm Generation in Mice With Targeted Deletion of Integrin-Linked Kinase in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2011, 109, 616-628.	2.0	59

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55	Stat3 regulates centrosome clustering in cancer cells via Stathmin/PLK1. Nature Communications, 2017, 8, 15289.	5.8	36
56	Identification of novel small molecule inhibitors of centrosome clustering in cancer cells. Oncotarget, 2013, 4, 1763-1776.	0.8	35
57	Harnessing Induced Essentiality: Targeting Carbonic Anhydrase IX and Angiogenesis Reduces Lung Metastasis of Triple Negative Breast Cancer Xenografts. Cancers, 2019, 11, 1002.	1.7	34
58	Combined inhibition of integrin linked kinase and FMS-like tyrosine kinase 3 is cytotoxic to acute myeloid leukemia progenitor cells. Experimental Hematology, 2009, 37, 450-460.	0.2	32
59	Integrin-Linked Kinase Mediates Therapeutic Resistance of Quiescent CML Stem Cells to Tyrosine Kinase Inhibitors. Cell Stem Cell, 2020, 27, 110-124.e9.	5.2	29
60	LIMD2 Is a Small LIM-Only Protein Overexpressed in Metastatic Lesions That Regulates Cell Motility and Tumor Progression by Directly Binding to and Activating the Integrin-Linked Kinase. Cancer Research, 2014, 74, 1390-1403.	0.4	28
61	Integrin-linked kinase (ILK) modulates wound healing through regulation of hepatocyte growth factor (HGF). Experimental Cell Research, 2012, 318, 2470-2481.	1.2	24
62	Interaction of smoothened with integrin-linked kinase in primary cilia mediates Hedgehog signalling. EMBO Reports, 2013, 14, 837-844.	2.0	23
63	Integrin linked kinase (ILK) is required for lens epithelial cell survival, proliferation and differentiation. Experimental Eye Research, 2014, 121, 130-142.	1.2	21
64	Integrin-Linked Kinase Deletion in the Developing Lens Leads to Capsule Rupture, Impaired Fiber Migration and Non-Apoptotic Epithelial Cell Death. , 2012, 53, 3067.		20
65	Integrin-linked kinase regulates tubular aquaporin content and intracellular location: a link between the extracellular matrix and water reabsorption. FASEB Journal, 2014, 28, 3645-3659.	0.2	20
66	Integrin-Linked Kinase Regulates Interphase and Mitotic Microtubule Dynamics. PLoS ONE, 2013, 8, e53702.	1.1	19
67	Integrin-Linked Kinase links Dynactin-1/Dynactin-2 with cortical Integrin receptors to orient the mitotic spindle relative to the substratum. Scientific Reports, 2015, 5, 8389.	1.6	17
68	A novel inhibitory effect of oxazol-5-one compounds on ROCKII signaling in human coronary artery vascular smooth muscle cells. Scientific Reports, 2016, 6, 32118.	1.6	17
69	Response to Perspectives on the Classical Enzyme Carbonic Anhydrase and the Search for Inhibitors. Biophysical Journal, 2021, 120, 178-181.	0.2	16
70	Interplay of Carbonic Anhydrase IX With Amino Acid and Acid/Base Transporters in the Hypoxic Tumor Microenvironment. Frontiers in Cell and Developmental Biology, 2020, 8, 602668.	1.8	13
71	Inactivation of the Integrin-Linked Kinase (ILK) in osteoblasts increases mineralization. Gene, 2014, 533, 246-252.	1.0	12
72	Prognostic value of the PrP <sup>C</sup> -ILK-IDO1 axis in the mesenchymal colorectal cancer subtype. Oncolmmunology, 2021, 10, 1940674.	2.1	11

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73	New Perspectives on the Role of Integrin-Linked Kinase (ILK) Signaling in Cancer Metastasis. <i>Cancers</i> , 2022, 14, 3209.	1.7	11
74	Insulin attenuates apoptosis in neuronal cells by an integrin-linked kinase-dependent mechanism. <i>Heliyon</i> , 2019, 5, e02294.	1.4	8
75	Carving out its niche: A role for carbonic anhydrase IX in pre-metastatic niche development. <i>Oncimmunology</i> , 2015, 4, e1048955.	2.1	7
76	A Model of Differential Mammary Growth Initiation by Stat3 and Asymmetric Integrin- $\beta$ 6 Inheritance. <i>Cell Reports</i> , 2020, 30, 3605-3615.e5.	2.9	7
77	Granulocyte Colony Stimulating Factor Expression in Breast Cancer and Its Association with Carbonic Anhydrase IX and Immune Checkpoints. <i>Cancers</i> , 2021, 13, 1022.	1.7	6
78	Isolation and characterization of monoclonal antibodies against human carbonic anhydrase-IX. <i>MABs</i> , 2021, 13, 1999194.	2.6	5
79	pH regulators of the tumoral microenvironment: A general overview. , 2021, , 13-33.		4
80	Hydrogen-deuterium exchange mass spectrometry reveals three unique binding responses of mAbs directed to the catalytic domain of hCAIX. <i>MABs</i> , 2021, 13, 1997072.	2.6	4
81	Stat3 in mitosis: A new role in clustering excess centrosomes. <i>Cell Cycle</i> , 2017, 16, 1557-1559.	1.3	2
82	Syntaxin4-Munc18c Interaction Promotes Breast Tumor Invasion and Metastasis by Regulating MT1-MMP Trafficking. <i>Molecular Cancer Research</i> , 2022, 20, 434-445.	1.5	2
83	Integrin-Linked Kinase (ILK) Modulates Coxsackievirus B3-Induced Myocardial Injury via Protein Kinase B/Akt Activation: A Potential Therapeutic Approach for Entoviral Myocarditis. <i>FASEB Journal</i> , 2006, 20, A1123.	0.2	0
84	Integrin-Linked kinase KO mice display abnormal liver histology and hepatomegaly following partial hepatectomy. <i>FASEB Journal</i> , 2008, 22, 465.9.	0.2	0