

Shoukat Dedhar

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

10,512
citations

44
h-index

86
g-index

86
ext. papers

11,779
ext. citations

8.4
avg, IF

6
L-index

#	Paper	IF	Citations
80	The epithelial-mesenchymal transition: new insights in signaling, development, and disease. <i>Journal of Cell Biology</i> , 2006 , 172, 973-81	7.3	1625
79	Regulation of cell adhesion and anchorage-dependent growth by a new beta 1-integrin-linked protein kinase. <i>Nature</i> , 1996 , 379, 91-6	50.4	959
78	Targeting tumor hypoxia: suppression of breast tumor growth and metastasis by novel carbonic anhydrase IX inhibitors. <i>Cancer Research</i> , 2011 , 71, 3364-76	10.1	563
77	Integrin-linked kinase: a cancer therapeutic target unique among its ILK. <i>Nature Reviews Cancer</i> , 2005 , 5, 51-63	31.3	495
76	Guidelines and definitions for research on epithelial-mesenchymal transition. <i>Nature Reviews Molecular Cell Biology</i> , 2020 , 21, 341-352	48.7	469
75	NGF-induced axon growth is mediated by localized inactivation of GSK-3beta and functions of the microtubule plus end binding protein APC. <i>Neuron</i> , 2004 , 42, 897-912	13.9	447
74	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, 1896-902	8.3	391
73	Regulation of protein kinase B/Akt-serine 473 phosphorylation by integrin-linked kinase: critical roles for kinase activity and amino acids arginine 211 and serine 343. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27462-9	5.4	391
72	Integrin-linked kinase (ILK) and its interactors: a new paradigm for the coupling of extracellular matrix to actin cytoskeleton and signaling complexes. <i>Journal of Cell Biology</i> , 2001 , 155, 505-10	7.3	387
71	Recent developments in targeting carbonic anhydrase IX for cancer therapeutics. <i>Oncotarget</i> , 2012 , 3, 84-97	3.3	325
70	Integrin-linked kinase--essential roles in physiology and cancer biology. <i>Journal of Cell Science</i> , 2008 , 121, 3121-32	5.3	280
69	Integrin-linked protein kinase regulates fibronectin matrix assembly, E-cadherin expression, and tumorigenicity. <i>Journal of Biological Chemistry</i> , 1998 , 273, 528-36	5.4	233
68	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, 22374-8	5.4	231
67	Regulation of tumor angiogenesis by integrin-linked kinase (ILK). <i>Cancer Cell</i> , 2004 , 5, 79-90	24.3	226
66	Tumor suppressor PTEN inhibits nuclear accumulation of beta-catenin and T cell/lymphoid enhancer factor 1-mediated transcriptional activation. <i>Journal of Cell Biology</i> , 2001 , 153, 1161-74	7.3	206
65	Glycosyl coumarin carbonic anhydrase IX and XII inhibitors strongly attenuate the growth of primary breast tumors. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 8271-7	8.3	201
64	The integrin-linked kinase regulates the cyclin D1 gene through glycogen synthase kinase 3beta and cAMP-responsive element-binding protein-dependent pathways. <i>Journal of Biological Chemistry</i> , 2000 , 275, 32649-57	5.4	196

63	Inactivation of the Hippo tumour suppressor pathway by integrin-linked kinase. <i>Nature Communications</i> , 2013 , 4, 2976	17.4	149
62	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, 7420-7	4.8	145
61	Targeted ablation of ILK from the murine heart results in dilated cardiomyopathy and spontaneous heart failure. <i>Genes and Development</i> , 2006 , 20, 2355-60	12.6	131
60	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, 4813-25	3.5	118
59	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, 7064-72	9.2	110
58	Integrin-linked kinase localizes to the centrosome and regulates mitotic spindle organization. <i>Journal of Cell Biology</i> , 2008 , 180, 681-9	7.3	104
57	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	10.1	102
56	Inhibition of ILK in PTEN-mutant human glioblastomas inhibits PKB/Akt activation, induces apoptosis, and delays tumor growth. <i>Oncogene</i> , 2005 , 24, 3596-605	9.2	95
55	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	13.3	91
54	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	10.1	88
53	Targeting hypoxic tumour cells to overcome metastasis. <i>BMC Cancer</i> , 2011 , 11, 504	4.8	87
52	Mapping the integrin-linked kinase interactome using SILAC. <i>Journal of Proteome Research</i> , 2008 , 7, 1740-9	3.9	86
51	Epithelial-mesenchymal transition (EMT) is not sufficient for spontaneous murine breast cancer metastasis. <i>Developmental Dynamics</i> , 2008 , 237, 2755-68	2.9	83
50	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	5.7	83
49	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	2.7	82
48	Novel matrix metalloproteinase inhibitor [¹⁸ F]marimastat-aryltrifluoroborate as a probe for in vivo positron emission tomography imaging in cancer. <i>Cancer Research</i> , 2010 , 70, 7562-9	10.1	76
47	Targeting hypoxic response for cancer therapy. <i>Oncotarget</i> , 2016 , 7, 13464-78	3.3	73
46	Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment. <i>Metabolites</i> , 2020 , 10,	5.6	70

45	Targeting Hypoxia-Induced Carbonic Anhydrase IX Enhances Immune-Checkpoint Blockade Locally and Systemically. <i>Cancer Immunology Research</i> , 2019 , 7, 1064-1078	12.5	69
44	Integrin-linked kinase is a functional Mn ²⁺ -dependent protein kinase that regulates glycogen synthase kinase-3 β (GSK-3 β) phosphorylation. <i>PLoS ONE</i> , 2010 , 5, e12356	3.7	69
43	Addition of carbonic anhydrase 9 inhibitor SLC-0111 to temozolomide treatment delays glioblastoma growth in vivo. <i>JCI Insight</i> , 2017 , 2,	9.9	67
42	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	6.1	56
41	An essential role for the integrin-linked kinase-glycogen synthase kinase-3 beta pathway during dendrite initiation and growth. <i>Journal of Neuroscience</i> , 2006 , 26, 13344-56	6.6	56
40	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>Journal of Cellular Biochemistry</i> , 2019 , 141, 205	8.3	50
39	Role of the integrin-linked kinase (ILK) in determining neuronal polarity. <i>Developmental Biology</i> , 2007 , 306, 457-68	3.1	48
38	Integrin-linked kinase regulates the nuclear entry of the c-Jun coactivator alpha-NAC and its coactivation potency. <i>Journal of Biological Chemistry</i> , 2004 , 279, 43893-9	5.4	44
37	Targeted deletion of integrin-linked kinase reveals a role in T-cell chemotaxis and survival. <i>Molecular and Cellular Biology</i> , 2005 , 25, 11145-55	4.8	44
36	Discovery of 4-Hydroxy-3-(3-(phenylureido)benzenesulfonamides as SLC-0111 Analogues for the Treatment of Hypoxic Tumors Overexpressing Carbonic Anhydrase IX. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 6328-6338	8.3	42
35	Protein kinase mediators of integrin signal transduction. <i>Journal of Molecular Medicine</i> , 1997 , 75, 35-44	5.5	40
34	Novel role for integrin-linked kinase in modulation of coxsackievirus B3 replication and virus-induced cardiomyocyte injury. <i>Circulation Research</i> , 2006 , 99, 354-61	15.7	39
33	Aortic aneurysm generation in mice with targeted deletion of integrin-linked kinase in vascular smooth muscle cells. <i>Circulation Research</i> , 2011 , 109, 616-28	15.7	38
32	Combined inhibition of integrin linked kinase and FMS-like tyrosine kinase 3 is cytotoxic to acute myeloid leukemia progenitor cells. <i>Experimental Hematology</i> , 2009 , 37, 450-60	3.1	29
31	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,	14.3	29
30	Coordinated Regulation of Metabolic Transporters and Migration/Invasion by Carbonic Anhydrase IX. <i>Metabolites</i> , 2018 , 8,	5.6	27
29	Stat3 regulates centrosome clustering in cancer cells via Stathmin/PLK1. <i>Nature Communications</i> , 2017 , 8, 15289	17.4	26
28	Identification of novel small molecule inhibitors of centrosome clustering in cancer cells. <i>Oncotarget</i> , 2013 , 4, 1763-76	3.3	26

27	Focal Adhesion- and IGF1R-Dependent Survival and Migratory Pathways Mediate Tumor Resistance to mTORC1/2 Inhibition. <i>Molecular Cell</i> , 2017 , 67, 512-527.e4	17.6	25
26	Interaction of smoothed with integrin-linked kinase in primary cilia mediates Hedgehog signalling. <i>EMBO Reports</i> , 2013 , 14, 837-44	6.5	21
25	Integrin-linked kinase (ILK) modulates wound healing through regulation of hepatocyte growth factor (HGF). <i>Experimental Cell Research</i> , 2012 , 318, 2470-81	4.2	21
24	Harnessing Induced Essentiality: Targeting Carbonic Anhydrase IX and Angiogenesis Reduces Lung Metastasis of Triple Negative Breast Cancer Xenografts. <i>Cancers</i> , 2019 , 11,	6.6	19
23	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. <i>Cancer Research</i> , 2014 , 74, 1390-1403	10.1	19
22	Integrin-linked kinase deletion in the developing lens leads to capsule rupture, impaired fiber migration and non-apoptotic epithelial cell death 2012 , 53, 3067-81		19
21	Integrin-Linked Kinase Mediates Therapeutic Resistance of Quiescent CML Stem Cells to Tyrosine Kinase Inhibitors. <i>Cell Stem Cell</i> , 2020 , 27, 110-124.e9	18	18
20	Integrin linked kinase (ILK) is required for lens epithelial cell survival, proliferation and differentiation. <i>Experimental Eye Research</i> , 2014 , 121, 130-42	3.7	17
19	Integrin-linked kinase regulates tubular aquaporin-2 content and intracellular location: a link between the extracellular matrix and water reabsorption. <i>FASEB Journal</i> , 2014 , 28, 3645-59	0.9	17
18	Integrin-linked kinase links dynactin-1/dynactin-2 with cortical integrin receptors to orient the mitotic spindle relative to the substratum. <i>Scientific Reports</i> , 2015 , 5, 8389	4.9	17
17	Overcoming Adaptive Resistance to KRAS and MEK Inhibitors by Co-targeting mTORC1/2 Complexes in Pancreatic Cancer. <i>Cell Reports Medicine</i> , 2020 , 1, 100131	18	17
16	Integrin-linked kinase regulates interphase and mitotic microtubule dynamics. <i>PLoS ONE</i> , 2013 , 8, e53703	3.7	14
15	β1 integrin, ILK and mTOR regulate collagen synthesis in mechanically loaded tendon cells. <i>Scientific Reports</i> , 2020 , 10, 12644	4.9	10
14	Inactivation of the integrin-linked kinase (ILK) in osteoblasts increases mineralization. <i>Gene</i> , 2014 , 533, 246-52	3.8	9
13	Interplay of Carbonic Anhydrase IX With Amino Acid and Acid/Base Transporters in the Hypoxic Tumor Microenvironment. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 602668	5.7	8
12	Carving out its niche: A role for carbonic anhydrase IX in pre-metastatic niche development. <i>Oncolmmunology</i> , 2015 , 4, e1048955	7.2	7
11	A novel inhibitory effect of oxazol-5-one compounds on ROCKII signaling in human coronary artery vascular smooth muscle cells. <i>Scientific Reports</i> , 2016 , 6, 32118	4.9	7
10	A Model of Differential Mammary Growth Initiation by Stat3 and Asymmetric Integrin-β Inheritance. <i>Cell Reports</i> , 2020 , 30, 3605-3615.e5	10.6	5

9	Granulocyte Colony Stimulating Factor Expression in Breast Cancer and Its Association with Carbonic Anhydrase IX and Immune Checkpoints. <i>Cancers</i> , 2021 , 13,	6.6	5
8	Insulin attenuates apoptosis in neuronal cells by an integrin-linked kinase-dependent mechanism. <i>Heliyon</i> , 2019 , 5, e02294	3.6	4
7	The Role of Epithelial-Mesenchymal Transition in Cancer Metastasis 2015 , 101-121		4
6	Prognostic value of the PrP-ILK-IDO1 axis in the mesenchymal colorectal cancer subtype. <i>Oncolmmunology</i> , 2021 , 10, 1940674	7.2	4
5	pH regulators of the tumoral microenvironment: A general overview 2021 , 13-33		3
4	Isolation and characterization of monoclonal antibodies against human carbonic anhydrase-IX. <i>MABs</i> , 2021 , 13, 1999194	6.6	1
3	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	6.6	1
2	Integrin-Linked Kinase (ILK) Modulates Coxsackievirus B3-Induced Myocardial Injury via Protein Kinase B/Akt Activation: A Potential Therapeutic Approach for Entorviral Myocarditis. <i>FASEB Journal</i> , 2006 , 20, A1123	0.9	
1	Integrin-linked kinase KO mice display abnormal liver histology and hepatomegaly following partial hepatectomy. <i>FASEB Journal</i> , 2008 , 22, 465.9	0.9	