Jung-whan Kim

List of Publications by Year
in descending order

51 papers	11,703 citations	117625 34 h-index	197818 49 g-index
54 all docs	54 docs citations	54 times ranked	18592 citing authors

#	Article	IF	Citations
1	HIF-1-mediated expression of pyruvate dehydrogenase kinase: A metabolic switch required for cellular adaptation to hypoxia. Cell Metabolism, 2006, 3, 177-185.	16.2	3,112
2	Cancer's Molecular Sweet Tooth and the Warburg Effect. Cancer Research, 2006, 66, 8927-8930.	0.9	1,086
3	HIF-1 Regulates Cytochrome Oxidase Subunits to Optimize Efficiency of Respiration in Hypoxic Cells. Cell, 2007, 129, 111-122.	28.9	1,068
4	Multifaceted roles of glycolytic enzymes. Trends in Biochemical Sciences, 2005, 30, 142-150.	7.5	570
5	Hypoxia-Inducible Factor 1 and Dysregulated c-Myc Cooperatively Induce Vascular Endothelial Growth Factor and Metabolic Switches Hexokinase 2 and Pyruvate Dehydrogenase Kinase 1. Molecular and Cellular Biology, 2007, 27, 7381-7393.	2.3	540
6	The interplay between MYC and HIF in cancer. Nature Reviews Cancer, 2008, 8, 51-56.	28.4	535
7	Myc Stimulates Nuclearly Encoded Mitochondrial Genes and Mitochondrial Biogenesis. Molecular and Cellular Biology, 2005, 25, 6225-6234.	2.3	527
8	Differential activation and antagonistic function of HIF-Î± isoforms in macrophages are essential for NO homeostasis. Genes and Development, 2010, 24, 491-501.	5.9	518
9	Increased Adipocyte O2 Consumption Triggers HIF-1Î±, Causing Inflammation and Insulin Resistance in Obesity. Cell, 2014, 157, 1339-1352.	28.9	443
10	MUC1 and HIF-1alpha Signaling Crosstalk Induces Anabolic Glucose Metabolism to Impart Gemcitabine Resistance to Pancreatic Cancer. Cancer Cell, 2017, 32, 71-87.e7.	16.8	373
11	GATA3 suppresses metastasis and modulates the tumour microenvironment by regulatingÂmicroRNA-29b expression. Nature Cell Biology, 2013, 15, 201-213.	10.3	322
12	Evaluation of Myc E-Box Phylogenetic Footprints in Glycolytic Genes by Chromatin Immunoprecipitation Assays. Molecular and Cellular Biology, 2004, 24, 5923-5936.	2.3	312
13	HIF-1Î±-PDK1 axis-induced active glycolysis plays an essential role in macrophage migratory capacity. Nature Communications, 2016, 7, 11635.	12.8	233
14	Activation of Transferrin Receptor 1 by c-Myc Enhances Cellular Proliferation and Tumorigenesis. Molecular and Cellular Biology, 2006, 26, 2373-2386.	2.3	210
15	Regulation of Wound Healing and Fibrosis by Hypoxia and Hypoxia-Inducible Factor-1. Molecules and Cells, 2014, 37, 637-643.	2.6	164
16	Primary and secondary transcriptional effects in the developing human Down syndrome brain and heart. Genome Biology, 2005, 6, R107.	8.8	139
17	GATA-3 and the regulation of the mammary luminal cell fate. Current Opinion in Cell Biology, 2008, 20, 164-170.	5.4	138
18	NQO1 inhibits proteasome-mediated degradation of HIF-1Î±. Nature Communications, 2016, 7, 13593.	12.8	125

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19	Effects of hypoxia on tumor metabolism. Cancer and Metastasis Reviews, 2007, 26, 291-298.	5.9	123
20	The distinct metabolic phenotype of lung squamous cell carcinoma defines selective vulnerability to glycolytic inhibition. Nature Communications, 2017, 8, 15503.	12.8	116
21	Targeting Hypoxia-Inducible Factor-1Î±/Pyruvate Dehydrogenase Kinase 1 Axis by Dichloroacetate Suppresses Bleomycin-induced Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 216-231.	2.9	103
22	Macrophage hypoxia signaling regulates cardiac fibrosis via Oncostatin M. Nature Communications, 2019, 10, 2824.	12.8	93
23	p63 and SOX2 Dictate Glucose Reliance and Metabolic Vulnerabilities in Squamous Cell Carcinomas. Cell Reports, 2019, 28, 1860-1878.e9.	6.4	68
24	Pyruvate Dehydrogenase Kinase Is a Metabolic Checkpoint for Polarization of Macrophages to the M1 Phenotype. Frontiers in Immunology, 2019, 10, 944.	4.8	58
25	HIF isoforms in the skin differentially regulate systemic arterial pressure. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17570-17575.	7.1	57
26	Loss of Fibroblast HIF-1Î± Accelerates Tumorigenesis. Cancer Research, 2012, 72, 3187-3195.	0.9	55
27	Overexpression of the thymosin Î²-10 gene in human ovarian cancer cells disrupts F-actin stress fiber and leads to apoptosis. Oncogene, 2001, 20, 6700-6706.	5.9	51
28	Interferon regulatory factor-1 (IRF-1) is a mediator for interferon-Î³ induced attenuation of telomerase activity and human telomerase reverse transcriptase (hTERT) expression. Oncogene, 2003, 22, 381-391.	5.9	51
29	Spatial Angular Compounding Technique for H-Scan Ultrasound Imaging. Ultrasound in Medicine and Biology, 2018, 44, 267-277.	1.5	47
30	Aberrant expression of Smad4 results in resistance against the growthâ€inhibitory effect of transforming growth factorâ€Î² in the SiHa human cervical carcinoma cell line. International Journal of Cancer, 2001, 94, 500-507.	5.1	44
31	Monitoring Early Breast Cancer Response to Neoadjuvant Therapy Using Hâ€Scan Ultrasound Imaging: Preliminary Preclinical Results. Journal of Ultrasound in Medicine, 2019, 38, 1259-1268.	1.7	44
32	Rapid apoptosis in the pulmonary vasculature distinguishes non-metastatic from metastatic melanoma cells. Cancer Letters, 2004, 213, 203-212.	7.2	42
33	IFN-Î³/IRF-1-induced p27kip1down-regulates telomerase activity and human telomerase reverse transcriptase expression in human cervical cancer. FEBS Letters, 2005, 579, 1027-1033.	2.8	41
34	Regulation of obesity and insulin resistance by hypoxia-inducible factors. Hypoxia (Auckland, N Z), 2014, 2, 171.	1.9	36
35	A New Perspective on the Heterogeneity of Cancer Glycolysis. Biomolecules and Therapeutics, 2018, 26, 10-18.	2.4	28
36	18F-Fluorodeoxyglucose uptake on positron emission tomography/computed tomography is associated with metastasis and epithelial-mesenchymal transition in hepatocellular carcinoma. Clinical and Experimental Metastasis, 2017, 34, 251-260.	3.3	25

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37	Regulation of Acetate Utilization by Monocarboxylate Transporter 1 (MCT1) in Hepatocellular Carcinoma (HCC). Oncology Research, 2018, 26, 71-81.	1.5	25
38	Convergence of Cancer Metabolism and Immunity: an Overview. Biomolecules and Therapeutics, 2018, 26, 4-9.	2.4	24
39	Oncogenic alterations of metabolism and the Warburg effect. Drug Discovery Today Disease Mechanisms, 2005, 2, 233-238.	0.8	20
40	Stromal Hedgehog pathway activation by IHH suppresses lung adenocarcinoma growth and metastasis by limiting reactive oxygen species. Oncogene, 2020, 39, 3258-3275.	5.9	16
41	Suppression of angiogenic response in local vein wall is associated with reduced thrombus resolution. Thrombosis Research, 2014, 134, 682-685.	1.7	12
42	Epidemiological characteristics of a COVID-19 outbreak caused by religious activities in Daegu, Korea. Epidemiology and Health, 2021, 43, e2021024.	1.9	10
43	Lung squamous cell carcinoma exhibits a targetable glucose dependency unique among non-small cell lung cancers. Molecular and Cellular Oncology, 2017, 4, e1364211.	0.7	8
44	Glucose Transporter 1 Gene Variants Predict the Prognosis of Patients with Early-Stage Non-small Cell Lung Cancer. Annals of Surgical Oncology, 2018, 25, 3396-3403.	1.5	8
45	Monitoring early tumor response to vascular targeted therapy using super-resolution ultrasound imaging. , 2017, , .		7
46	You Don't Need a PHD to Grow a Tumor. Developmental Cell, 2009, 16, 781-782.	7.0	5
47	Heme Sequestration Effectively Suppresses the Development and Progression of Both Lung Adenocarcinoma and Squamous Cell Carcinoma. Molecular Cancer Research, 2022, 20, 139-149.	3.4	5
48	Oxidative Stress and the Intersection of Oncogenic Signaling and Metabolism in Squamous Cell Carcinomas. Cells, 2021, 10, 606.	4.1	3
49	Corrigendum to: â€œIFN-Î³/IRF-1-induced p27kip1down-regulates telomerase activity and human telomerase reverse transcriptase expression in human cervical cancer (FEBS 29236)â€•[FEBS Letters 579 (2005) 1027-1033]. FEBS Letters, 2005, 579, 6288-6288.	2.8	0
50	Warburg Effect. , 2011, , 3941-3945.		0
51	Warburg Effect. , 2017, , 4845-4849.		0