

Weibo Luo

List of Publications by Year in descending order

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59
papers

6,889
citations

117625

34
h-index

138484

58
g-index

62
all docs

62
docs citations

62
times ranked

11906
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of TH17/Treg Balance by Hypoxia-Inducible Factor 1. <i>Cell</i> , 2011, 146, 772-784.	28.9	1,304
2	Pyruvate Kinase M2 Is a PHD3-Stimulated Coactivator for Hypoxia-Inducible Factor 1. <i>Cell</i> , 2011, 145, 732-744.	28.9	1,210
3	Hypoxia-inducible factors and RAB22A mediate formation of microvesicles that stimulate breast cancer invasion and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3234-42.	7.1	367
4	Emerging roles of PKM2 in cell metabolism and cancer progression. <i>Trends in Endocrinology and Metabolism</i> , 2012, 23, 560-566.	7.1	284
5	The Ubiquitin Ligase Stub1 Negatively Modulates Regulatory T Cell Suppressive Activity by Promoting Degradation of the Transcription Factor Foxp3. <i>Immunity</i> , 2013, 39, 272-285.	14.3	260
6	Hsp70 and CHIP Selectively Mediate Ubiquitination and Degradation of Hypoxia-inducible Factor (HIF)-1 α but Not HIF-2 α . <i>Journal of Biological Chemistry</i> , 2010, 285, 3651-3663.	3.4	201
7	Histone demethylase JMJD2C is a coactivator for hypoxia-inducible factor 1 that is required for breast cancer progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E3367-76.	7.1	196
8	Hypoxia-inducible factor 1 mediates increased expression of NADPH oxidase α 2 in response to intermittent hypoxia. <i>Journal of Cellular Physiology</i> , 2011, 226, 2925-2933.	4.1	177
9	Hypoxia-inducible factor α -dependent breast cancer α -mesenchymal stem cell bidirectional signaling promotes metastasis. <i>Journal of Clinical Investigation</i> , 2013, 123, 189-205.	8.2	171
10	Pyruvate kinase M2 regulates glucose metabolism by functioning as a coactivator for hypoxia-inducible factor 1 in cancer cells. <i>Oncotarget</i> , 2011, 2, 551-556.	1.8	164
11	Protease-activated receptors in the brain: Receptor expression, activation, and functions in neurodegeneration and neuroprotection. <i>Brain Research Reviews</i> , 2007, 56, 331-345.	9.0	158
12	Hypoxia-inducible factor 1 is required for remote ischemic preconditioning of the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17462-17467.	7.1	149
13	Hypoxia-inducible factor α -dependent breast cancer α -mesenchymal stem cell bidirectional signaling promotes metastasis. <i>Journal of Clinical Investigation</i> , 2013, 123, 1402-1402.	8.2	137
14	Trypsin and trypsin-like proteases in the brain: Proteolysis and cellular functions. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 237-252.	5.4	126
15	ZMYND8 acetylation mediates HIF-dependent breast cancer progression and metastasis. <i>Journal of Clinical Investigation</i> , 2018, 128, 1937-1955.	8.2	126
16	HIF2-Induced Long Noncoding RNA RAB11B-AS1 Promotes Hypoxia-Mediated Angiogenesis and Breast Cancer Metastasis. <i>Cancer Research</i> , 2020, 80, 964-975.	0.9	123
17	PARP-1 and its associated nucleases in DNA damage response. <i>DNA Repair</i> , 2019, 81, 102651.	2.8	122
18	Multifaceted role of branched-chain amino acid metabolism in cancer. <i>Oncogene</i> , 2020, 39, 6747-6756.	5.9	102

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19	Hypoxia-inducible factor 1 mediates TAZ expression and nuclear localization to induce the breast cancer stem cell phenotype. <i>Oncotarget</i> , 2014, 5, 12509-12527.	1.8	100
20	Ganetespib blocks HIF-1 activity and inhibits tumor growth, vascularization, stem cell maintenance, invasion, and metastasis in orthotopic mouse models of triple-negative breast cancer. <i>Journal of Molecular Medicine</i> , 2014, 92, 151-164.	3.9	98
21	A Nontranscriptional Role for HIF-1 α as a Direct Inhibitor of DNA Replication. <i>Science Signaling</i> , 2013, 6, ra10.	3.6	95
22	Methylation of hypoxia-inducible factor (HIF)-1 α by G9a/GLP inhibits HIF-1 transcriptional activity and cell migration. <i>Nucleic Acids Research</i> , 2018, 46, 6576-6591.	14.5	90
23	MCM Proteins Are Negative Regulators of Hypoxia-Inducible Factor 1. <i>Molecular Cell</i> , 2011, 42, 700-712.	9.7	80
24	Regulation of branched-chain amino acid metabolism by hypoxia-inducible factor in glioblastoma. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 195-206.	5.4	74
25	Hypoxia Mediates Tumor Malignancy and Therapy Resistance. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1136, 1-18.	1.6	62
26	HIF-1 α and TAZ serve as reciprocal co-activators in human breast cancer cells. <i>Oncotarget</i> , 2015, 6, 11768-11778.	1.8	59
27	Metabolic reprogramming by HIF-1 promotes the survival of bone marrow α derived angiogenic cells in ischemic tissue. <i>Blood</i> , 2011, 117, 4988-4998.	1.4	57
28	Protease-activated receptor-1 protects rat astrocytes from apoptotic cell death via JNK-mediated release of the chemokine GRO/CINC-1. <i>Journal of Neurochemistry</i> , 2006, 98, 1046-1060.	3.9	56
29	p24A, a Type I Transmembrane Protein, Controls ARF1-dependent Resensitization of Protease-activated Receptor-2 by Influence on Receptor Trafficking. <i>Journal of Biological Chemistry</i> , 2007, 282, 30246-30255.	3.4	56
30	Epigenetic regulators: multifunctional proteins modulating hypoxia-inducible factor-1 α protein stability and activity. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1043-1056.	5.4	56
31	Hypoxia-inducible factors enhance glutamate signaling in cancer cells. <i>Oncotarget</i> , 2014, 5, 8853-8868.	1.8	56
32	Proteinase-activated receptor-1 and -2 induce the release of chemokine GRO/CINC-1 from rat astrocytes via differential activation of JNK isoforms, evoking multiple protective pathways in brain. <i>Biochemical Journal</i> , 2007, 401, 65-78.	3.7	48
33	Systemic Delivery of Microencapsulated 3-Bromopyruvate for the Therapy of Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2014, 20, 6406-6417.	7.0	47
34	Activation of protease α activated receptors in astrocytes evokes a novel neuroprotective pathway through release of chemokines of the growth α regulated oncogene/cytokine α induced neutrophil chemoattractant family. <i>European Journal of Neuroscience</i> , 2007, 26, 3159-3168.	2.6	43
35	Emerging role of PARP α 1 and PARthanatos in ischemic stroke. <i>Journal of Neurochemistry</i> , 2022, 160, 74-87.	3.9	39
36	Hypoxia-inducible factors regulate human and rat cystathionine β 2-synthase gene expression. <i>Biochemical Journal</i> , 2014, 458, 203-211.	3.7	36

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37	Mesotrypsin, a brain trypsin, activates selectively proteinase-activated receptor-1, but not proteinase-activated receptor-2, in rat astrocytes. <i>Journal of Neurochemistry</i> , 2006, 99, 759-769.	3.9	33
38	CHD4 Promotes Breast Cancer Progression as a Coactivator of Hypoxia-Inducible Factors. <i>Cancer Research</i> , 2020, 80, 3880-3891.	0.9	32
39	Jab1, a Novel Protease-activated Receptor-2 (PAR-2)-interacting Protein, Is Involved in PAR-2-induced Activation of Activator Protein-1. <i>Journal of Biological Chemistry</i> , 2006, 281, 7927-7936.	3.4	30
40	Proteinase-activated receptors, nucleotide P2Y receptors, and μ -opioid receptor-1B are under the control of the type I transmembrane proteins p23 and p24A in post-Golgi trafficking. <i>Journal of Neurochemistry</i> , 2011, 117, 71-81.	3.9	30
41	PRDX2 and PRDX4 are negative regulators of hypoxia-inducible factors under conditions of prolonged hypoxia. <i>Oncotarget</i> , 2016, 7, 6379-6397.	1.8	29
42	PHD3-mediated prolyl hydroxylation of nonmuscle actin impairs polymerization and cell motility. <i>Molecular Biology of the Cell</i> , 2014, 25, 2788-2796.	2.1	27
43	Two types of protease-activated receptors (PAR-1 and PAR-2) mediate calcium signaling in rat retinal ganglion cells RGC-5. <i>Brain Research</i> , 2005, 1047, 159-167.	2.2	24
44	In vivo assessment of increased oxidation of branched-chain amino acids in glioblastoma. <i>Scientific Reports</i> , 2019, 9, 340.	3.3	22
45	ZHX2 promotes HIF1 α oncogenic signaling in triple-negative breast cancer. <i>ELife</i> , 2021, 10, .	6.0	21
46	MIF is a 3 α flap nuclease that facilitates DNA replication and promotes tumor growth. <i>Nature Communications</i> , 2021, 12, 2954.	12.8	20
47	Targeting BCAT1 Combined with α -Ketoglutarate Triggers Metabolic Synthetic Lethality in Glioblastoma. <i>Cancer Research</i> , 2022, 82, 2388-2402.	0.9	16
48	The role of calcium in protease-activated receptor-induced secretion of chemokine GRO/CINC α 1 in rat brain astrocytes. <i>Journal of Neurochemistry</i> , 2007, 103, 814-819.	3.9	14
49	ZMYND8 Expression in Breast Cancer Cells Blocks T-Lymphocyte Surveillance to Promote Tumor Growth. <i>Cancer Research</i> , 2021, 81, 174-186.	0.9	12
50	LncIHAT Is Induced by Hypoxia-Inducible Factor 1 and Promotes Breast Cancer Progression. <i>Molecular Cancer Research</i> , 2021, 19, 678-687.	3.4	9
51	MIF promotes neurodegeneration and cell death via its nuclease activity following traumatic brain injury. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, .	5.4	9
52	ZMYND8 is a master regulator of 27-hydroxycholesterol that promotes tumorigenicity of breast cancer stem cells. <i>Science Advances</i> , 2022, 8, .	10.3	8
53	ZMYND8 is a primary HIF coactivator that mediates breast cancer progression. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1479619.	0.7	6
54	KDM6B promotes PARthanatos via suppression of <i>O</i> ⁶ -methylguanine DNA methyltransferase repair and sustained checkpoint response. <i>Nucleic Acids Research</i> , 2022, 50, 6313-6331.	14.5	6

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55	Cutting Edge: Hypoxia-Induced Ubc9 Promoter Hypermethylation Regulates IL-17 Expression in Ulcerative Colitis. <i>Journal of Immunology</i> , 2021, 206, 936-940.	0.8	3
56	AIF3 splicing switch triggers neurodegeneration. <i>Molecular Neurodegeneration</i> , 2021, 16, 25.	10.8	3
57	HIF repressors under chronic hypoxia. <i>Aging</i> , 2016, 8, 418-419.	3.1	3
58	The Role of Thrombin and Thrombin Receptors in the Brain. , 2009, , 133-159.		2
59	Isolated Erythrocytosis Associated With 3 Novel Missense Mutations in the <i>EGLN1</i> Gene. <i>Journal of Investigative Medicine High Impact Case Reports</i> , 2020, 8, 232470962094725.	0.6	1