Jong-Wan Park

List of Publications by Year
in descending order

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91 papers	4,099 citations	109321 35 h-index	123424 61 g-index
93 all docs	93 docs citations	93 times ranked	6235 citing authors

#	Article	IF	Citations
1	YC-1: A Potential Anticancer Drug Targeting Hypoxia-Inducible Factor 1. Journal of the National Cancer Institute, 2003, 95, 516-525.	6.3	456
2	Curcumin Inhibits Hypoxia-Inducible Factor-1 by Degrading Aryl Hydrocarbon Receptor Nuclear Translocator: A Mechanism of Tumor Growth Inhibition. Molecular Pharmacology, 2006, 70, 1664-1671.	2.3	193
3	Bortezomib inhibits tumor adaptation to hypoxia by stimulating the FIH-mediated repression of hypoxia-inducible factor-1. Blood, 2008, 111, 3131-3136.	1.4	158
4	Nutritional Status of Gastric Cancer Patients after Total Gastrectomy. World Journal of Surgery, 1998, 22, 254-261.	1.6	156
5	A novel mode of action of YC-1 in HIF inhibition: stimulation of FIH-dependent p300 dissociation from HIF-1Î±. Molecular Cancer Therapeutics, 2008, 7, 3729-3738.	4.1	151
6	New anticancer strategies targeting HIF-1. Biochemical Pharmacology, 2004, 68, 1061-1069.	4.4	148
7	IL-25 as a novel therapeutic target in nasal polyps of patients with chronic rhinosinusitis. Journal of Allergy and Clinical Immunology, 2015, 135, 1476-1485.e7.	2.9	134
8	Oxygen-Dependent and -Independent Regulation of HIF-1alpha. Journal of Korean Medical Science, 2002, 17, 581.	2.5	132
9	Oxidative Dimerization of PHD2 is Responsible for its Inactivation and Contributes to Metabolic Reprogramming via HIF-1Î± Activation. Scientific Reports, 2016, 6, 18928.	3.3	113
10	ROS mediate the hypoxic repression of the hepcidin gene by inhibiting C/EBPÎ± and STAT-3. Biochemical and Biophysical Research Communications, 2007, 356, 312-317.	2.1	109
11	Hypoxia-inducible Factor 1 Mediates Nasal Polypogenesis by Inducing Epithelial-to-Mesenchymal Transition. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 944-954.	5.6	109
12	Fatty-acid-induced FABP5/HIF-1 reprograms lipid metabolism and enhances the proliferation of liver cancer cells. Communications Biology, 2020, 3, 638.	4.4	91
13	Hyperbaric oxygenation pretreatment induces catalase and reduces infarct size in ischemic rat myocardium. Pflugers Archiv European Journal of Physiology, 2001, 442, 519-525.	2.8	82
14	Hypoxia-inducible Factor Î± Subunit Stabilization by NEDD8 Conjugation Is Reactive Oxygen Species-dependent. Journal of Biological Chemistry, 2011, 286, 6963-6970.	3.4	80
15	Antihyperglycemic mechanism of metformin occurs via the AMPK/LXRÎ±/POMC pathway. Scientific Reports, 2015, 5, 8145.	3.3	78
16	Cadmium blocks hypoxia-inducible factor (HIF)-1-mediated response to hypoxia by stimulating the proteasome-dependent degradation of HIF-1Î±. FEBS Journal, 2000, 267, 4198-4204.	0.2	76
17	A dominant-negative isoform lacking exons 11 and 12 of the human hypoxia-inducible factor-1Î± gene. Biochemical Journal, 2002, 362, 71-79.	3.7	69
18	Arrest Defective-1 Controls Tumor Cell Behavior by Acetylating Myosin Light Chain Kinase. PLoS ONE, 2009, 4, e7451.	2.5	66

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19	Cervical cancer is addicted to SIRT1 disarming the AIM2 antiviral defense. Oncogene, 2018, 37, 5191-5204.	5.9	64
20	Curcumin attenuates cytochrome P450 induction in response to 2,3,7,8â€tetrachlorodibenzoâ€pâ€dioxin by ROSâ€dependently degrading AhR and ARNT. Cancer Science, 2008, 99, 2518-2524.	3.9	62
21	Sirtuin 1 attenuates nasal polypogenesis by suppressing epithelial-to-mesenchymal transition. Journal of Allergy and Clinical Immunology, 2016, 137, 87-98.e7.	2.9	61
22	Jumonji histone demethylases as emerging therapeutic targets. Pharmacological Research, 2016, 105, 146-151.	7.1	60
23	Zinc Induces the Accumulation of Hypoxia-Inducible Factor (HIF)-1Î±, but Inhibits the Nuclear Translocation of HIF-1Î², Causing HIF-1 Inactivation. Biochemical and Biophysical Research Communications, 2000, 268, 652-656.	2.1	59
24	Contribution of HIF-1Î± or HIF-2Î± to erythropoietin expression: in vivo evidence based on chromatin immunoprecipitation. Annals of Hematology, 2008, 87, 11-17.	1.8	53
25	Antihepatoma activity of chaetocin due to deregulated splicing of hypoxia-inducible factor 1Î± pre-mRNA in mice and in vitro. Hepatology, 2011, 53, 171-180.	7.3	51
26	Differential roles of Sirt1 in HIF-1Î± and HIF-2Î± mediated hypoxic responses. Biochemical and Biophysical Research Communications, 2014, 444, 36-43.	2.1	51
27	Versatile pharmacological actions of YC-1: anti-platelet to anticancer. Cancer Letters, 2004, 207, 1-7.	7.2	50
28	Aberrant expression of CITED2 promotes prostate cancer metastasis by activating the nucleolin-AKT pathway. Nature Communications, 2018, 9, 4113.	12.8	49
29	Nutlin-3, an Hdm2 antagonist, inhibits tumor adaptation to hypoxia by stimulating the FIH-mediated inactivation of HIF-1Î±. Carcinogenesis, 2009, 30, 1768-1775.	2.8	47
30	HIF-1Î± controls keratinocyte proliferation by up-regulating p21(WAF1/Cip1). Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 323-333.	4.1	44
31	FIH Is an Oxygen Sensor in Ovarian Cancer for G9a/GLP-Driven Epigenetic Regulation of Metastasis-Related Genes. Cancer Research, 2018, 78, 1184-1199.	0.9	43
32	Immune Cell Responses and Mucosal Barrier Disruptions in Chronic Rhinosinusitis. Immune Network, 2017, 17, 60.	3.6	41
33	Astrocyte-derived CCL20 reinforces HIF-1-mediated hypoxic responses in glioblastoma by stimulating the CCR6-NF-ÎºB signaling pathway. Oncogene, 2018, 37, 3070-3087.	5.9	41
34	Ketohexokinase-A acts as a nuclear protein kinase that mediates fructose-induced metastasis in breast cancer. Nature Communications, 2020, 11, 5436.	12.8	38
35	Plant homeodomain finger protein 2 promotes bone formation by demethylating and activating Runx2 for osteoblast differentiation. Cell Research, 2014, 24, 1231-1249.	12.0	37
36	The IFN-Î³â€“p38, ERK kinase axis exacerbates neutrophilic chronic rhinosinusitis by inducing the epithelial-to-mesenchymal transition. Mucosal Immunology, 2019, 12, 601-611.	6.0	37

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37	Î±-Helical cell-penetrating peptide-mediated nasal delivery of resveratrol for inhibition of epithelial-to-mesenchymal transition. Journal of Controlled Release, 2020, 317, 181-194.	9.9	35
38	ATP6V0C Competes with Von Hippel-Lindau Protein in Hypoxia-Inducible Factor 1Î± (HIF-1Î±) Binding and Mediates HIF-1Î± Expression by Bafilomycin A1. Molecular Pharmacology, 2007, 71, 942-948.	2.3	33
39	CST3 and GDF15 ameliorate renal fibrosis by inhibiting fibroblast growth and activation. Biochemical and Biophysical Research Communications, 2018, 500, 288-295.	2.1	32
40	CITED2 controls the hypoxic signaling by snatching p300 from the two distinct activation domains of HIF-1Î±. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 2008-2016.	4.1	28
41	PRMT5 is essential for the eIF4E-mediated 5â€²-cap dependent translation. Biochemical and Biophysical Research Communications, 2014, 452, 1016-1021.	2.1	28
42	The E3 ligase C-CBL inhibits cancer cell migration by neddylating the proto-oncogene c-Src. Oncogene, 2018, 37, 5552-5568.	5.9	28
43	Epithelial cell-derived cytokines CST3 and GDF15 as potential therapeutics for pulmonary fibrosis. Cell Death and Disease, 2018, 9, 506.	6.3	27
44	Nuclear FGFR2 negatively regulates hypoxia-induced cell invasion in prostate cancer by interacting with HIF-1 and HIF-2. Scientific Reports, 2019, 9, 3480.	3.3	27
45	Hypoxia-driven epigenetic regulation in cancer progression: A focus on histone methylation and its modifying enzymes. Cancer Letters, 2020, 489, 41-49.	7.2	27
46	Sinonasal Delivery of Resveratrol via Mucoadhesive Nanostructured Microparticles in a Nasal Polyp Mouse Model. Scientific Reports, 2017, 7, 40249.	3.3	25
47	In-Depth, Proteomic Analysis of Nasal Secretions from Patients With Chronic Rhinosinusitis and Nasal Polyps. Allergy, Asthma and Immunology Research, 2019, 11, 691.	2.9	24
48	Neddylation of sterol regulatory element-binding protein 1c is a potential therapeutic target for nonalcoholic fatty liver treatment. Cell Death and Disease, 2020, 11, 283.	6.3	23
49	FIH permits NAA10 to catalyze the oxygen-dependent lysyl-acetylation of HIF-1Î±. Redox Biology, 2018, 19, 364-374.	9.0	22
50	Tumor regionalization after surgery: Roles of the tumor microenvironment and neutrophil extracellular traps. Experimental and Molecular Medicine, 2022, 54, 720-729.	7.7	22
51	Metastasis-on-a-chip reveals adipocyte-derived lipids trigger cancer cell migration via HIF-1Î± activation in cancer cells. Biomaterials, 2021, 269, 120622.	11.4	21
52	ITF2 Prevents Activation of the Î²-Cateninâ€“TCF4 Complex in Colon Cancer Cells and Levels Decrease With Tumor Progression. Gastroenterology, 2014, 147, 430-442.e8.	1.3	20
53	Wogonin attenuates nasal polyp formation by inducing eosinophil apoptosis through HIF-1Î± and survivin suppression. Scientific Reports, 2018, 8, 6201.	3.3	20
54	Mad1 mediates hypoxia-induced doxorubicin resistance in colon cancer cells by inhibiting mitochondrial function. Free Radical Biology and Medicine, 2013, 60, 201-210.	2.9	19

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55	Interleukin (IL)-13 and IL-17A contribute to neo-osteogenesis in chronic rhinosinusitis by inducing RUNX2. EBioMedicine, 2019, 46, 330-341.	6.1	19
56	Loss of EGR3 is an independent risk factor for metastatic progression in prostate cancer. Oncogene, 2020, 39, 5839-5854.	5.9	19
57	Design, synthesis and insight into the structureâ€“activity relationship of 1,3-disubstituted indazoles as novel HIF-1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6297-6300.	2.2	18
58	AK-1, a SIRT2 inhibitor, destabilizes HIF-1Î± and diminishes its transcriptional activity during hypoxia. Cancer Letters, 2016, 373, 138-145.	7.2	18
59	Oxygen sensor FIH inhibits HACE1-dependent ubiquitination of Rac1 to enhance metastatic potential in breast cancer cells. Oncogene, 2019, 38, 3651-3666.	5.9	18
60	DEP-induced ZEB2 promotes nasal polyp formation via epithelial-to-mesenchymal transition. Journal of Allergy and Clinical Immunology, 2022, 149, 340-357.	2.9	18
61	Evaluation of Neo-Osteogenesis in Eosinophilic Chronic Rhinosinusitis Using a Nasal Polyp Murine Model. Allergy, Asthma and Immunology Research, 2020, 12, 306.	2.9	18
62	Myocardial SSAT induction via AMPK signaling and its implication for ischemic injury. Biochemical and Biophysical Research Communications, 2008, 366, 438-444.	2.1	17
63	Protein arginine methyltransferase 5 is an essential component of the hypoxia-inducible factor 1 signaling pathway. Biochemical and Biophysical Research Communications, 2012, 418, 254-259.	2.1	17
64	Bone morphogenetic protein-2 as a novel biomarker for refractory chronic rhinosinusitis with nasal polyps. Journal of Allergy and Clinical Immunology, 2021, 148, 461-472.e13.	2.9	16
65	Reactive oxygen speciesâ€mediated cyclin D1 degradation mediates tumor growth retardation in hypoxia, independently of p21^{cip1} and hypoxiaâ€inducible factor. Cancer Science, 2008, 99, 1798-1805.	3.9	14
66	Involvement of HIF-1Î± in UVB-Induced Epidermal Hyperplasia. Molecules and Cells, 2009, 28, 537-544.	2.6	14
67	Ferritin heavy chain controls the HIF-driven hypoxic response by activating the asparaginyl hydroxylase FIH. Biochemical and Biophysical Research Communications, 2018, 499, 475-481.	2.1	12
68	A novel HIF1AN substrate KANK3 plays a tumorâ€suppressive role in hepatocellular carcinoma. Cell Biology International, 2018, 42, 303-312.	3.0	12
69	CAML promotes prolactin-dependent proliferation of breast cancer cells by facilitating prolactin receptor signaling pathways. Breast Cancer Research and Treatment, 2011, 130, 19-27.	2.5	11
70	Red ginseng deregulates hypoxia-induced genes by dissociating the HIF-1 dimer. Journal of Natural Medicines, 2011, 65, 344-352.	2.3	11
71	NDRG3 lowers the metastatic potential in prostate cancer as a feedback controller of hypoxia-inducible factors. Experimental and Molecular Medicine, 2018, 50, 1-13.	7.7	11
72	von Hippel-Lindau protein adjusts oxygen sensing of the FIH asparaginyl hydroxylase. International Journal of Biochemistry and Cell Biology, 2011, 43, 795-804.	2.8	9

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73	Trichostatin A resistance is facilitated by HIF-1Î± acetylation in HeLa human cervical cancer cells under normoxic conditions. Oncotarget, 2018, 9, 2035-2049.	1.8	9
74	PIN1 transcript variant 2 acts as a long non-coding RNA that controls the HIF-1-driven hypoxic response. Scientific Reports, 2019, 9, 10599.	3.3	8
75	Validation of CDr15 as a new dye for detecting neutrophil extracellular trap. Biochemical and Biophysical Research Communications, 2020, 527, 646-653.	2.1	8
76	Hypoxia-inducible factor 1Î± is deregulated by the serum of rats with adjuvant-induced arthritis. Biochemical and Biophysical Research Communications, 2009, 378, 123-128.	2.1	7
77	Antibiotic-Dependent Relationships Between the Nasal Microbiome and Secreted Proteome in Nasal Polyps. Allergy, Asthma and Immunology Research, 2021, 13, 589.	2.9	7
78	Neddylation blockade induces HIF-1Î± driven cancer cell migration via upregulation of ZEB1. Scientific Reports, 2020, 10, 18210.	3.3	6
79	Targeted Downregulation ofkdm4aAmeliorates Tau-engendered Defects inDrosophila melanogaster. Journal of Korean Medical Science, 2019, 34, e225.	2.5	6
80	Cloning of Miniature Pig HIF-1Î± and Its Responses to Immunosuppressive Agents. Immunopharmacology and Immunotoxicology, 2008, 30, 105-115.	2.4	5
81	HIF-1Î± Upregulation due to Depletion of the Free Ubiquitin Pool. Journal of Korean Medical Science, 2015, 30, 1388.	2.5	5
82	Neuronal nitric oxide synthase modulation of intracellular Ca2+ handling overrides fatty acid potentiation of cardiac inotropy in hypertensive rats. Pflugers Archiv European Journal of Physiology, 2017, 469, 1359-1371.	2.8	5
83	Deep learning program to predict protein functions based on sequence information. MethodsX, 2022, 9, 101622.	1.6	4
84	AURKB, in concert with REST, acts as an oxygen-sensitive epigenetic regulator of the hypoxic induction of MDM2. BMB Reports, 2022, 55, 287-292.	2.4	4
85	Graphoepitaxial Assembly of Block Copolymer for Bending Stripe Patterns. Macromolecular Theory and Simulations, 2019, 28, 1900009.	1.4	2
86	Loop and Bridge Conformations of ABA Triblock Comb Copolymers: A Conformational Assessment for Molecular Composites. Polymers, 2022, 14, 2301.	4.5	1
87	Spontaneous Generation of Reactive Oxygen Species in the Mixture of Cyanide and Glycerol. Annals of the New York Academy of Sciences, 2004, 1030, 43-51.	3.8	0
88	Arrest defective 1 regulates the oxidative stress response in human cells and mice by acetylating methionine sulfoxide reductase A. FASEB Journal, 2015, 29, LB209.	0.5	0
89	ARD1 controls osteoblast differentiation and bone formation as a feedback regulator of Runx2. FASEB Journal, 2015, 29, 728.9.	0.5	0
90	Astrocyteâ€derived CCL20 reinforces HIFâ€1â€mediated hypoxic responses in glioblastoma by stimulating the CCR6â€NFâ€kB signaling pathway. FASEB Journal, 2018, 32, .	0.5	0

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91	AURKB, in concert with REST, acts as an oxygen-sensitive epigenetic regulator of the hypoxic induction of MDM2.. BMB Reports, 2022, , .	2.4	0