Jong-Wan Park

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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
2	Deep learning program to predict protein functions based on sequence information. MethodsX, 2022, 9, 101622.	1.6	4
3	AURKB, in concert with REST, acts as an oxygen-sensitive epigenetic regulator of the hypoxic induction of MDM2.. BMB Reports, 2022, , .	2.4	0
4	Loop and Bridge Conformations of ABA Triblock Comb Copolymers: A Conformational Assessment for Molecular Composites. Polymers, 2022, 14, 2301.	4.5	1
5	Tumor regionalization after surgery: Roles of the tumor microenvironment and neutrophil extracellular traps. Experimental and Molecular Medicine, 2022, 54, 720-729.	7.7	22
6	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
7	Antibiotic-Dependent Relationships Between the Nasal Microbiome and Secreted Proteome in Nasal Polyps. Allergy, Asthma and Immunology Research, 2021, 13, 589.	2.9	7
8	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
9	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
10	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
11	Loss of EGR3 is an independent risk factor for metastatic progression in prostate cancer. Oncogene, 2020, 39, 5839-5854.	5.9	19
12	Ketohexokinase-A acts as a nuclear protein kinase that mediates fructose-induced metastasis in breast cancer. Nature Communications, 2020, 11, 5436.	12.8	38
13	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
14	Neddylation blockade induces HIF-1Î± driven cancer cell migration via upregulation of ZEB1. Scientific Reports, 2020, 10, 18210.	3.3	6
15	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
16	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
17	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
18	Validation of CDr15 as a new dye for detecting neutrophil extracellular trap. Biochemical and Biophysical Research Communications, 2020, 527, 646-653.	2.1	8

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19	Interleukin (IL)-13 and IL-17A contribute to neo-osteogenesis in chronic rhinosinusitis by inducing RUNX2. EBioMedicine, 2019, 46, 330-341.	6.1	19
20	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
21	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
22	Graphoepitaxial Assembly of Block Copolymer for Bending Stripe Patterns. Macromolecular Theory and Simulations, 2019, 28, 1900009.	1.4	2
23	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
24	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
25	Targeted Downregulation ofkdm4aAmeliorates Tau-engendered Defects inDrosophila melanogaster. Journal of Korean Medical Science, 2019, 34, e225.	2.5	6
26	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
27	Wogonin attenuates nasal polyp formation by inducing eosinophil apoptosis through HIF-1Î± and survivin suppression. Scientific Reports, 2018, 8, 6201.	3.3	20
28	CST3 and GDF15 ameliorate renal fibrosis by inhibiting fibroblast growth and activation. Biochemical and Biophysical Research Communications, 2018, 500, 288-295.	2.1	32
29	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
30	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
31	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
32	A novel HIF1AN substrate KANK3 plays a tumorâ€suppressive role in hepatocellular carcinoma. Cell Biology International, 2018, 42, 303-312.	3.0	12
33	Aberrant expression of CITED2 promotes prostate cancer metastasis by activating the nucleolin-AKT pathway. Nature Communications, 2018, 9, 4113.	12.8	49
34	FIH permits NAA10 to catalyze the oxygen-dependent lysyl-acetylation of HIF-1Î±. Redox Biology, 2018, 19, 364-374.	9.0	22
35	Cervical cancer is addicted to SIRT1 disarming the AIM2 antiviral defense. Oncogene, 2018, 37, 5191-5204.	5.9	64
36	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

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37	Epithelial cell-derived cytokines CST3 and GDF15 as potential therapeutics for pulmonary fibrosis. Cell Death and Disease, 2018, 9, 506.	6.3	27
38	The E3 ligase C-CBL inhibits cancer cell migration by neddylating the proto-oncogene c-Src. Oncogene, 2018, 37, 5552-5568.	5.9	28
39	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
40	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
41	Sinonasal Delivery of Resveratrol via Mucoadhesive Nanostructured Microparticles in a Nasal Polyp Mouse Model. Scientific Reports, 2017, 7, 40249.	3.3	25
42	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
43	Immune Cell Responses and Mucosal Barrier Disruptions in Chronic Rhinosinusitis. Immune Network, 2017, 17, 60.	3.6	41
44	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
45	AK-1, a SIRT2 inhibitor, destabilizes HIF-1Î± and diminishes its transcriptional activity during hypoxia. Cancer Letters, 2016, 373, 138-145.	7.2	18
46	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
47	Jumonji histone demethylases as emerging therapeutic targets. Pharmacological Research, 2016, 105, 146-151.	7.1	60
48	HIF-1Î± Upregulation due to Depletion of the Free Ubiquitin Pool. Journal of Korean Medical Science, 2015, 30, 1388.	2.5	5
49	Antihyperglycemic mechanism of metformin occurs via the AMPK/LXRÎ±/POMC pathway. Scientific Reports, 2015, 5, 8145.	3.3	78
50	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
51	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
52	ARD1 controls osteoblast differentiation and bone formation as a feedback regulator of Runx2. FASEB Journal, 2015, 29, 728.9.	0.5	0
53	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
54	PRMT5 is essential for the eIF4E-mediated 5â€²-cap dependent translation. Biochemical and Biophysical Research Communications, 2014, 452, 1016-1021.	2.1	28

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55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	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
64	Red ginseng deregulates hypoxia-induced genes by dissociating the HIF-1 dimer. Journal of Natural Medicines, 2011, 65, 344-352.	2.3	11
65	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
66	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
67	Arrest Defective-1 Controls Tumor Cell Behavior by Acetylating Myosin Light Chain Kinase. PLoS ONE, 2009, 4, e7451.	2.5	66
68	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
69	Involvement of HIF-1Î± in UVB-Induced Epidermal Hyperplasia. Molecules and Cells, 2009, 28, 537-544.	2.6	14
70	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
71	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
72	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

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73	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
74	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
75	Myocardial SSAT induction via AMPK signaling and its implication for ischemic injury. Biochemical and Biophysical Research Communications, 2008, 366, 438-444.	2.1	17
76	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
77	Cloning of Miniature Pig HIF-1Î± and Its Responses to Immunosuppressive Agents. Immunopharmacology and Immunotoxicology, 2008, 30, 105-115.	2.4	5
78	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
79	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
80	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
81	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
82	New anticancer strategies targeting HIF-1. Biochemical Pharmacology, 2004, 68, 1061-1069.	4.4	148
83	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
84	Versatile pharmacological actions of YC-1: anti-platelet to anticancer. Cancer Letters, 2004, 207, 1-7.	7.2	50
85	YC-1: A Potential Anticancer Drug Targeting Hypoxia-Inducible Factor 1. Journal of the National Cancer Institute, 2003, 95, 516-525.	6.3	456
86	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
87	Oxygen-Dependent and -Independent Regulation of HIF-1alpha. Journal of Korean Medical Science, 2002, 17, 581.	2.5	132
88	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
89	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
90	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

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91	Nutritional Status of Gastric Cancer Patients after Total Gastrectomy. World Journal of Surgery, 1998, 22, 254-261.	1.6	156