

# Hyonchol Jang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7868535/publications.pdf>

Version: 2024-02-01

55  
papers

1,763  
citations

304368

22  
h-index

301761

39  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3207  
citing authors

#	ARTICLE	IF	CITATIONS
1	O-GlcNAc Regulates Pluripotency and Reprogramming by Directly Acting on Core Components of the Pluripotency Network. <i>Cell Stem Cell</i> , 2012, 11, 62-74.	5.2	268
2	Psat1-Dependent Fluctuations in $\alpha$ -Ketoglutarate Affect the Timing of ESC Differentiation. <i>Cell Metabolism</i> , 2016, 24, 494-501.	7.2	125
3	Core Pluripotency Factors Directly Regulate Metabolism in Embryonic Stem Cell to Maintain Pluripotency. <i>Stem Cells</i> , 2015, 33, 2699-2711.	1.4	89
4	Histone demethylase LSD1 is required to induce skeletal muscle differentiation by regulating myogenic factors. <i>Biochemical and Biophysical Research Communications</i> , 2010, 401, 327-332.	1.0	78
5	Aldehyde dehydrogenase is used by cancer cells for energy metabolism. <i>Experimental and Molecular Medicine</i> , 2016, 48, e272-e272.	3.2	66
6	Farnesyl diphosphate synthase is important for the maintenance of glioblastoma stemness. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-12.	3.2	62
7	Ctbp2 Modulates NuRD-Mediated Deacetylation of H3K27 and Facilitates PRC2-Mediated H3K27me3 in Active Embryonic Stem Cell Genes During Exit from Pluripotency. <i>Stem Cells</i> , 2015, 33, 2442-2455.	1.4	61
8	Modulation of lysine methylation in myocyte enhancer factor 2 during skeletal muscle cell differentiation. <i>Nucleic Acids Research</i> , 2014, 42, 224-234.	6.5	57
9	Phospholipid transfer function of PTPIP51 at mitochondria-associated ER membranes. <i>EMBO Reports</i> , 2021, 22, e51323.	2.0	54
10	ATP-citrate lyase regulates cellular senescence via an AMPK- and p53-dependent pathway. <i>FEBS Journal</i> , 2015, 282, 361-371.	2.2	53
11	Ferritin binds and activates p53 under oxidative stress. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 399-404.	1.0	50
12	Migration and invasion of drug-resistant lung adenocarcinoma cells are dependent on mitochondrial activity. <i>Experimental and Molecular Medicine</i> , 2016, 48, e277-e277.	3.2	49
13	Menin mediates epigenetic regulation via histone H3 lysine 9 methylation. <i>Cell Death and Disease</i> , 2013, 4, e583-e583.	2.7	48
14	Aldehyde dehydrogenase inhibition combined with phenformin treatment reversed NSCLC through ATP depletion. <i>Oncotarget</i> , 2016, 7, 49397-49410.	0.8	47
15	Aurkb/PP1-mediated resetting of Oct4 during the cell cycle determines the identity of embryonic stem cells. <i>ELife</i> , 2016, 5, e10877.	2.8	43
16	Cabin1 restrains p53 activity on chromatin. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 910-915.	3.6	41
17	Metabolism in embryonic and cancer stemness. <i>Archives of Pharmacal Research</i> , 2015, 38, 381-388.	2.7	37
18	Cabin1 Represses MEF2 Transcriptional Activity by Association with a Methyltransferase, SUV39H1. <i>Journal of Biological Chemistry</i> , 2007, 282, 11172-11179.	1.6	34

#	ARTICLE	IF	CITATIONS
19	AKT phosphorylates H3-threonine 45 to facilitate termination of gene transcription in response to DNA damage. <i>Nucleic Acids Research</i> , 2015, 43, 4505-4516.	6.5	33
20	Regulation of mRNA export through API5 and nuclear FGF2 interaction. <i>Nucleic Acids Research</i> , 2020, 48, 6340-6352.	6.5	29
21	Histone chaperones cooperate to mediate Mef2-targeted transcriptional regulation during skeletal myogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 541-547.	1.0	28
22	Targeting Oxidative Phosphorylation Reverses Drug Resistance in Cancer Cells by Blocking Autophagy Recycling. <i>Cells</i> , 2020, 9, 2013.	1.8	27
23	Cyclin-dependent kinase 1 activity coordinates the chromatin associated state of Oct4 during cell cycle in embryonic stem cells. <i>Nucleic Acids Research</i> , 2018, 46, 6544-6560.	6.5	25
24	Pontin functions as an essential coactivator for Oct4-dependent lincRNA expression in mouse embryonic stem cells. <i>Nature Communications</i> , 2015, 6, 6810.	5.8	24
25	Phosphorylation and ubiquitination-dependent degradation of CABIN1 releases p53 for transactivation upon genotoxic stress. <i>Nucleic Acids Research</i> , 2013, 41, 2180-2190.	6.5	22
26	Gossypol Suppresses Growth of Temozolomide-Resistant Glioblastoma Tumor Spheres. <i>Biomolecules</i> , 2019, 9, 595.	1.8	22
27	Hydrogen peroxide triggers the proteolytic cleavage and the inactivation of calcineurin. <i>Journal of Neurochemistry</i> , 2007, 100, 070209222715097-???	2.1	21
28	ATP Production Relies on Fatty Acid Oxidation Rather than Glycolysis in Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , 2020, 12, 2477.	1.7	21
29	OCT4 directly regulates stemness and extracellular matrix-related genes in human germ cell tumours. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1980-1986.	1.0	17
30	A new calcineurin inhibition domain in Cabin1. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 129-135.	1.0	15
31	Cancer depends on fatty acids for ATP production: A possible link between cancer and obesity. <i>Seminars in Cancer Biology</i> , 2022, 86, 347-357.	4.3	15
32	Ascorbic Acid 2-Glucoside Stably Promotes the Primitiveness of Embryonic and Mesenchymal Stem Cells Through Tenâ€Eleven Translocation- and cAMP-Responsive Element-Binding Protein-1-Dependent Mechanisms. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 35-59.	2.5	14
33	Down syndrome critical region 1 enhances the proteolytic cleavage of calcineurin. <i>Experimental and Molecular Medicine</i> , 2009, 41, 471.	3.2	13
34	AIMP3 depletion causes genome instability and loss of stemness in mouse embryonic stem cells. <i>Cell Death and Disease</i> , 2018, 9, 972.	2.7	13
35	A Quenched Annexin Vâ€Fluorophore for the Realâ€Time Fluorescence Imaging of Apoptotic Processes In Vitro and In Vivo. <i>Advanced Science</i> , 2020, 7, 2002988.	5.6	13
36	The Role of Nuclear Receptor Subfamily 1 Group H Member 4 (NR1H4) in Colon Cancer Cell Survival through the Regulation of c-Myc Stability. <i>Molecules and Cells</i> , 2020, 43, 459-468.	1.0	13

#	ARTICLE	IF	CITATIONS
37	O-GlcNAcylation of Sox2 at threonine 258 regulates the self-renewal and early cell fate of embryonic stem cells. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1759-1768.	3.2	13
38	FAM188B Downregulation Sensitizes Lung Cancer Cells to Anoikis via EGFR Downregulation and Inhibits Tumor Metastasis In Vivo. <i>Cancers</i> , 2021, 13, 247.	1.7	12
39	PGC1 $\alpha$ Loss Promotes Lung Cancer Metastasis through Epithelial-Mesenchymal Transition. <i>Cancers</i> , 2021, 13, 1772.	1.7	12
40	FAM188B enhances cell survival via interaction with USP7. <i>Cell Death and Disease</i> , 2018, 9, 633.	2.7	11
41	False-negative errors in next-generation sequencing contribute substantially to inconsistency of mutation databases. <i>PLoS ONE</i> , 2019, 14, e0222535.	1.1	11
42	Cancer cells undergoing epigenetic transition show short-term resistance and are transformed into cells with medium-term resistance by drug treatment. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1102-1115.	3.2	10
43	The Combination of Loss of ALDH1L1 Function and Phenformin Treatment Decreases Tumor Growth in KRAS-Driven Lung Cancer. <i>Cancers</i> , 2020, 12, 1382.	1.7	10
44	FAK-Copy-Gain Is a Predictive Marker for Sensitivity to FAK Inhibition in Breast Cancer. <i>Cancers</i> , 2019, 11, 1288.	1.7	9
45	SEZ6L2 Is an Important Regulator of Drug-Resistant Cells and Tumor Spheroid Cells in Lung Adenocarcinoma. <i>Biomedicines</i> , 2020, 8, 500.	1.4	8
46	Phosphorylation of OCT4 Serine 236 Inhibits Germ Cell Tumor Growth by Inducing Differentiation. <i>Cancers</i> , 2020, 12, 2601.	1.7	7
47	Targeting TJP1 attenuates cell-cell aggregation and modulates chemosensitivity against doxorubicin in leiomyosarcoma. <i>Journal of Molecular Medicine</i> , 2020, 98, 761-773.	1.7	7
48	Overall survival of pancreatic ductal adenocarcinoma is doubled by <i>Aldh7a1</i> deletion in the KPC mouse. <i>Theranostics</i> , 2021, 11, 3472-3488.	4.6	6
49	The carboxy-terminal region of the TBC1D4 (AS160) RabGAP mediates protein homodimerization. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 965-971.	3.6	6
50	Abundance of C-terminal binding protein isoform is a prerequisite for exit from pluripotency in mouse embryonic stem cells. <i>FASEB Journal</i> , 2018, 32, 6423-6435.	0.2	5
51	Oxoglutarate Carrier Inhibition Reduced Melanoma Growth and Invasion by Reducing ATP Production. <i>Pharmaceutics</i> , 2020, 12, 1128.	2.0	5
52	Crystal Structure of the Kinase Domain of MerTK in Complex with AZD7762 Provides Clues for Structure-Based Drug Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7878.	1.8	3
53	Reply to Krupenko et al. Comment on Lee et al. The Combination of Loss of ALDH1L1 Function and Phenformin Treatment Decreases Tumor Growth in KRAS-Driven Lung Cancer <i>Cancers</i> 2020, 12, 1382. <i>Cancers</i> , 2021, 13, 2238.	1.7	1
54	Real-Time Apoptosis Imaging: A Quenched Annexin V-Fluorophore for the Real-Time Fluorescence Imaging of Apoptotic Processes In Vitro and In Vivo ( <i>Adv. Sci.</i> 24/2020). <i>Advanced Science</i> , 2020, 7, 2070137.	5.6	0

#	ARTICLE	IF	CITATIONS
55	Recombinant Human Laforin Expressed in Insect Cells: Expression, Purification, and Biochemical Characterizations. Journal of the Korean Chemical Society, 2015, 59, 466-470.	0.2	0