

Hyuk-Jin Cha

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

2,620
citations

218592

26
h-index

233338

45
g-index

117
all docs

117
docs citations

117
times ranked

4433
citing authors

#	ARTICLE	IF	CITATIONS
1	High expression of uracil DNA glycosylase determines C to T substitution in human pluripotent stem cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 175-183.	2.3	12
2	Multiple isogenic GNE-myopathy modeling with mutation specific phenotypes from human pluripotent stem cells by base editors. <i>Biomaterials</i> , 2022, 282, 121419.	5.7	11
3	Live isolation of na ⁺ ESCs via distinct glucose metabolism and stored glycogen. <i>Metabolic Engineering</i> , 2022, 72, 97-106.	3.6	1
4	Dichotomous role of Shp2 for na ⁺ and primed pluripotency maintenance in embryonic stem cells. <i>Stem Cell Research and Therapy</i> , 2022, 13, .	2.4	2
5	TGF ² promotes YAP-dependent <i>AXL</i> induction in mesenchymal-type lung cancer cells. <i>Molecular Oncology</i> , 2021, 15, 679-696.	2.1	5
6	Target identification of mouse stem cell probe CDy1 as ALDH2 and Abcb1b through live-cell affinity-matrix and ABC CRISPRa library. <i>RSC Chemical Biology</i> , 2021, 2, 1590-1593.	2.0	3
7	Editorial Expression of Concern: Tumor necrosis factor-inducible gene 6 protein ameliorates chronic liver damage by promoting autophagy formation in mice. <i>Experimental and Molecular Medicine</i> , 2021, 53, 300-300.	3.2	0
8	L1 retrotransposons exploit RNA m6A modification as an evolutionary driving force. <i>Nature Communications</i> , 2021, 12, 880.	5.8	32
9	Nuclear Factor Erythroid-Derived 2-Like 2-Induced Reductive Stress Favors Self-Renewal of Breast Cancer Stem-Like Cells via the FoxO3a-Bmi-1 Axis. <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1313-1329.	2.5	41
10	Systematic identification of a nuclear receptor-enriched predictive signature for erastin-induced ferroptosis. <i>Redox Biology</i> , 2020, 37, 101719.	3.9	23
11	Safe scarless cassette-free selection of genome-edited human pluripotent stem cells using temporary drug resistance. <i>Biomaterials</i> , 2020, 262, 120295.	5.7	17
12	Luteolin Induces Selective Cell Death of Human Pluripotent Stem Cells. <i>Biomedicines</i> , 2020, 8, 453.	1.4	2
13	Connectivity map-based drug repositioning of bortezomib to reverse the metastatic effect of GALNT14 in lung cancer. <i>Oncogene</i> , 2020, 39, 4567-4580.	2.6	22
14	ERK Dephosphorylation through MKP1 Deacetylation by SIRT1 Attenuates RAS-Driven Tumorigenesis. <i>Cancers</i> , 2020, 12, 909.	1.7	5
15	Crosstalk between YAP and TGF ² regulates SERPINE1 expression in mesenchymal lung cancer cells. <i>International Journal of Oncology</i> , 2020, 58, 111-121.	1.4	18
16	Design of a Balloon-Shaped Superconducting Single Spoke Resonator. <i>Journal of the Korean Physical Society</i> , 2019, 75, 117-125.	0.3	2
17	Stochastic and Heterogeneous Cancer Cell Migration: Experiment and Theory. <i>Scientific Reports</i> , 2019, 9, 16297.	1.6	27
18	In silico drug repositioning: from large-scale transcriptome data to therapeutics. <i>Archives of Pharmacal Research</i> , 2019, 42, 879-889.	2.7	30

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19	Structure-Activity Relationship Analysis of YM155 for Inducing Selective Cell Death of Human Pluripotent Stem Cells. <i>Frontiers in Chemistry</i> , 2019, 7, 298.	1.8	10
20	A Theoretical Model for the Cell Cycle and Drug Induced Cell Cycle Arrest of FUCCI Systems with Cell-to-Cell Variation during Mitosis. <i>Pharmaceutical Research</i> , 2019, 36, 57.	1.7	7
21	Low dose radiation regulates BRAF-induced thyroid cellular dysfunction and transformation. <i>Cell Communication and Signaling</i> , 2019, 17, 12.	2.7	6
22	Abstract 2002: Computational drug repositioning identifies bortezomib as a novel metastatic inhibitor of lung cancer. , 2019, , .		0
23	Abstract 3799: Large-scale pharmacogenomics based drug discovery for ITGB3 dependent chemoresistance in mesenchymal lung cancer. , 2019, , .		0
24	Enhancement of wound healing efficiency mediated by artificial dermis functionalized with EGF or NRG1. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 045007.	1.7	20
25	Inhibition of BET selectively eliminates undifferentiated pluripotent stem cells. <i>Science Bulletin</i> , 2018, 63, 477-487.	4.3	4
26	Covalent Functionalization of FeCo/Graphitic Shell Nanocrystals via 1,3-dipolar Cycloaddition. <i>ChemNanoMat</i> , 2018, 4, 132-139.	1.5	3
27	Screening of cytotoxic or cytostatic flavonoids with quantitative Fluorescent Ubiquitination-based Cell Cycle Indicator-based cell cycle assay. <i>Royal Society Open Science</i> , 2018, 5, 181303.	1.1	6
28	Large-scale pharmacogenomics based drug discovery for ITGB3 dependent chemoresistance in mesenchymal lung cancer. <i>Molecular Cancer</i> , 2018, 17, 175.	7.9	34
29	Selective Elimination of Culture-Adapted Human Embryonic Stem Cells with BH3 Mimetics. <i>Stem Cell Reports</i> , 2018, 11, 1244-1256.	2.3	12
30	Proactive strategy for long-term biological research aimed at low-dose radiation risk in Korea. <i>International Journal of Radiation Biology</i> , 2018, 94, 685-693.	1.0	1
31	A fluorescent chemical probe CDy9 selectively stains and enables the isolation of live na ⁺ -ve mouse embryonic stem cells. <i>Biomaterials</i> , 2018, 180, 12-23.	5.7	11
32	FBXL14 abolishes breast cancer progression by targeting CDCP1 for proteasomal degradation. <i>Oncogene</i> , 2018, 37, 5794-5809.	2.6	18
33	Optimizing tissue-clearing conditions based on analysis of the critical factors affecting tissue-clearing procedures. <i>Scientific Reports</i> , 2018, 8, 12815.	1.6	37
34	Designing Tyrosinase siRNAs by Multiple Prediction Algorithms and Evaluation of Their Anti-Melanogenic Effects. <i>Biomolecules and Therapeutics</i> , 2018, 26, 282-289.	1.1	4
35	Technical approaches to induce selective cell death of pluripotent stem cells. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2601-2611.	2.4	24
36	Wip1 directly dephosphorylates NLK and increases Wnt activity during germ cell development. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1013-1022.	1.8	10

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37	Intact wound repair activity of human mesenchymal stem cells after YM155 mediated selective ablation of undifferentiated human embryonic stem cells. <i>Journal of Dermatological Science</i> , 2017, 86, 123-131.	1.0	11
38	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200câ€“SIRT2 axis. <i>Nature Cell Biology</i> , 2017, 19, 445-456.	4.6	138
39	Ell3 stimulates 5-FU resistance in a breast cancer cell line. <i>Oncology Letters</i> , 2017, 13, 4173-4179.	0.8	7
40	PRMT8 Controls the Pluripotency and Mesodermal Fate of Human Embryonic Stem Cells By Enhancing the PI3K/AKT/SOX2 Axis. <i>Stem Cells</i> , 2017, 35, 2037-2049.	1.4	31
41	Helping Induced hPSCs Clean Up Their Act. <i>Cell Chemical Biology</i> , 2017, 24, 651-652.	2.5	3
42	P38., 2017, , 805-815.		0
43	BCL2 induced by LAMTOR3/MAPK is a druggable target of chemoradioresistance in mesenchymal lung cancer. <i>Cancer Letters</i> , 2017, 403, 48-58.	3.2	26
44	Conductive hybrid matrigel layer to enhance electrochemical signals of human embryonic stem cells. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 224-230.	4.0	20
45	Tumor necrosis factor-inducible gene 6 protein ameliorates chronic liver damage by promoting autophagy formation in mice. <i>Experimental and Molecular Medicine</i> , 2017, 49, e380-e380.	3.2	13
46	Role of MEK partner-1 in cancer stemness through MEK/ERK pathway in cancerous neural stem cells, expressing EGFRviii. <i>Molecular Cancer</i> , 2017, 16, 140.	7.9	20
47	Suppression of SIRT2 and altered acetylation status of human pluripotent stem cells: possible link to metabolic switch during reprogramming. <i>BMB Reports</i> , 2017, 50, 435-436.	1.1	7
48	Quercetin induced ROS production triggers mitochondrial cell death of human embryonic stem cells. <i>Oncotarget</i> , 2017, 8, 64964-64973.	0.8	24
49	Abstract 4761: BCL2 induced by LAMTOR3-MAPK is a druggable target of chemoradioresistance in mesenchymal lung cancer. , 2017, , .		0
50	Induction of integrin Î²3 by sustained ERK activity promotes the invasiveness of TGFÎ²-induced mesenchymal tumor cells. <i>Cancer Letters</i> , 2016, 376, 339-346.	3.2	23
51	Control of stress signaling in stem cells: crossroads of stem cells and cancer. <i>Tumor Biology</i> , 2016, 37, 12983-12990.	0.8	0
52	Photodynamic Approach for Teratoma-Free Pluripotent Stem Cell Therapy Using CDy1 and Visible Light. <i>ACS Central Science</i> , 2016, 2, 604-607.	5.3	18
53	In situ label-free quantification of human pluripotent stem cells with electrochemical potential. <i>Biomaterials</i> , 2016, 75, 250-259.	5.7	25
54	Induction of MiR-21 by Stereotactic Body Radiotherapy Contributes to the Pulmonary Fibrotic Response. <i>PLoS ONE</i> , 2016, 11, e0154942.	1.1	36

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55	Chronic TGF β ² stimulation promotes the metastatic potential of lung cancer cells by Snail protein stabilization through integrin β ³ -Akt-GSK3 β signaling. <i>Oncotarget</i> , 2016, 7, 25366-25376.	0.8	21
56	Abstract B54: Sustained exposure to TGF β ² increases the stability of Snail and Slug via integrin β ³ -Akt-GSK3 β signaling, facilitating tumor cell invasion. , 2016, , .		0
57	Timely Degradation of Wip1 Phosphatase by APC/C Activator Protein Cdh1 is Necessary for Normal Mitotic Progression. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1602-1612.	1.2	14
58	Rh D blood group conversion using transcription activator-like effector nucleases. <i>Nature Communications</i> , 2015, 6, 7451.	5.8	16
59	Tumor necrosis factor-inducible gene 6 promotes liver regeneration in mice with acute liver injury. <i>Stem Cell Research and Therapy</i> , 2015, 6, 20.	2.4	34
60	Sirt1 Regulates Microtubule Dynamics Through Negative Regulation of Plk1 in Mitosis. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1888-1897.	1.2	10
61	β -Mangostin induces G1 cell cycle arrest in HCT116 cells through p38MAPK-p16INK4a pathway. <i>RSC Advances</i> , 2015, 5, 34752-34760.	1.7	8
62	Repair of Ischemic Injury by Pluripotent Stem Cell Based Cell Therapy without Teratoma through Selective Photosensitivity. <i>Stem Cell Reports</i> , 2015, 5, 1067-1080.	2.3	30
63	SIRT1 is required for oncogenic transformation of neural stem cells and for the survival of cancer cells with neural stemness in a p53-dependent manner. <i>Neuro-Oncology</i> , 2015, 17, 95-106.	0.6	40
64	Hepatitis B virus X protein activates the ATM-Chk2 pathway and delays cell cycle progression. <i>Journal of General Virology</i> , 2015, 96, 2242-2251.	1.3	27
65	Heat shock factor 1, an inhibitor of non-homologous end joining repair. <i>Oncotarget</i> , 2015, 6, 29712-29724.	0.8	6
66	GalNAc-T14 promotes metastasis through Wnt dependent HOXB9 expression in lung adenocarcinoma. <i>Oncotarget</i> , 2015, 6, 41916-41928.	0.8	27
67	Cell-matrix adhesion characterization using multiple shear stress zones in single stepwise microchannel. <i>Applied Physics Letters</i> , 2014, 105, 083701.	1.5	4
68	Off-target response of a Wip1 chemical inhibitor in skin keratinocytes. <i>Journal of Dermatological Science</i> , 2014, 73, 125-134.	1.0	21
69	Nobiletin Suppresses MMP-9 Expression through Modulation of p38 MAPK Activity in Human Dermal Fibroblasts. <i>Biological and Pharmaceutical Bulletin</i> , 2014, 37, 158-163.	0.6	16
70	P38. , 2014, , 1-11.		0
71	The accumulation of DNA repair defects is the molecular origin of carcinogenesis. <i>Tumor Biology</i> , 2013, 34, 3293-3302.	0.8	40
72	Inhibition of pluripotent stem cell-derived teratoma formation by small molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3281-90.	3.3	217

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73	The modulation of the oxidative stress response in chondrocytes by Wip1 and its effect on senescence and dedifferentiation during in vitro expansion. <i>Biomaterials</i> , 2013, 34, 2380-2388.	5.7	34
74	Extract of <i>Neilema keisak</i> inhibits transforming growth factor- β -dependent signalling by inducing <i>Smad2</i> downregulation in keloid fibroblasts. <i>Experimental Dermatology</i> , 2013, 22, 69-71.	1.4	11
75	Insulin concentration is critical in culturing human neural stem cells and neurons. <i>Cell Death and Disease</i> , 2013, 4, e766-e766.	2.7	24
76	Triterpenes with Cytotoxicity from the Leaves of <i>Vernicia fordii</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 674-677.	0.6	8
77	Loss of E-cadherin activates EGFR-MEK/ERK signaling, which promotes invasion via the ZEB1/MMP2 axis in non-small cell lung cancer. <i>Oncotarget</i> , 2013, 4, 2512-2522.	0.8	131
78	Effect of Ionizing Radiation Induced Damage of Endothelial Progenitor Cells in Vascular Regeneration. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 343-352.	1.1	42
79	Genetic modification of human adipose-derived stem cells for promoting wound healing. <i>Journal of Dermatological Science</i> , 2012, 66, 98-107.	1.0	44
80	Identification of anti-melanogenic natural compounds from <i>Galega officinalis</i> and further drug repositioning. <i>Journal of Dermatological Science</i> , 2012, 67, 61-63.	1.0	6
81	Current status of biology, bioengineering, and therapeutic potential of stem cells. <i>Archives of Pharmacal Research</i> , 2012, 35, 193-196.	2.7	3
82	Regulation of the Wip1 phosphatase and its effects on the stress response Julie Lowe, Hyukjin Cha, Mi-Ok Lee, Sharlyn J. Mazur, Ettore Appella, Albert J. Fornace Jr.. <i>Frontiers in Bioscience - Landmark</i> , 2012, 17, 1480.	3.0	89
83	Generation of Cancerous Neural Stem Cells Forming Glial Tumor by Oncogenic Stimulation. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 532-545.	5.6	17
84	Oncogenic challenges in stem cells and the link to cancer initiation. <i>Archives of Pharmacal Research</i> , 2012, 35, 235-244.	2.7	5
85	Evaluation of a multi-kinase inhibitor KRC-108 as an anti-tumor agent in vitro and in vivo. <i>Investigational New Drugs</i> , 2012, 30, 518-523.	1.2	18
86	p16Ink4a Suppression of Lung Adenocarcinoma by Bmi-1 in the Presence of p38 Activation. <i>Journal of Thoracic Oncology</i> , 2011, 6, 423-431.	0.5	8
87	Sirt1 Promotes DNA Damage Repair and Cellular Survival. <i>Biomolecules and Therapeutics</i> , 2011, 19, 282-287.	1.1	6
88	Wip1-expressing feeder cells retain pluripotency of co-cultured mouse embryonic stem cells under leukemia inhibitory factor-deprived condition. <i>Archives of Pharmacal Research</i> , 2010, 33, 1253-1260.	2.7	4
89	Effects of thermal annealing of polymer:fullerene photovoltaic solar cells for high efficiency. <i>Current Applied Physics</i> , 2010, 10, S206-S209.	1.1	43
90	Zap70 Functions to Maintain Stemness of Mouse Embryonic Stem Cells by Negatively Regulating Jak1/Stat3/c-Myc Signaling. <i>Stem Cells</i> , 2010, 28, 1476-1486.	1.4	25

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91	Negative regulation of stress-induced matrix metalloproteinase-9 by Sirt1 in skin tissue. <i>Experimental Dermatology</i> , 2010, 19, 1060-1066.	1.4	44
92	Nuclear Factor- κ B (NF- κ B) Is a Novel Positive Transcriptional Regulator of the Oncogenic Wip1 Phosphatase. <i>Journal of Biological Chemistry</i> , 2010, 285, 5249-5257.	1.6	56
93	Accelerated Wound Healing by S-Methylmethionine Sulfonium: Evidence of Dermal Fibroblast Activation via the ERK1/2 Pathway. <i>Pharmacology</i> , 2010, 85, 68-76.	0.9	27
94	Wip1 Directly Dephosphorylates γ -H2AX and Attenuates the DNA Damage Response. <i>Cancer Research</i> , 2010, 70, 4112-4122.	0.4	139
95	Oncogenic Ras Signals through Activation of Both Phosphoinositide 3-Kinase and Rac1 to Induce c-Jun NH2-Terminal Kinase-Mediated, Caspase-Independent Cell Death. <i>Molecular Cancer Research</i> , 2009, 7, 1534-1542.	1.5	17
96	Wip1, an oncogene targeting tumor suppressors expressed in intestinal stem cells. <i>Current Colorectal Cancer Reports</i> , 2009, 5, 197-202.	1.0	2
97	Senescent Growth Arrest in Mesenchymal Stem Cells Is Bypassed by Wip1-Mediated Downregulation of Intrinsic Stress Signaling Pathways. <i>Stem Cells</i> , 2009, 27, 1963-1975.	1.4	83
98	A Functional Role for p38 MAPK in Modulating Mitotic Transit in the Absence of Stress. <i>Journal of Biological Chemistry</i> , 2007, 282, 22984-22992.	1.6	56
99	Inhibition of mixed-lineage kinase (MLK) activity during G2-phase disrupts microtubule formation and mitotic progression in HeLa cells. <i>Cellular Signalling</i> , 2006, 18, 93-104.	1.7	17
100	Phosphorylation of golgin-160 by mixed lineage kinase 3. <i>Journal of Cell Science</i> , 2004, 117, 751-760.	1.2	25
101	Phosphorylation regulates nucleophosmin targeting to the centrosome during mitosis as detected by cross-reactive phosphorylation-specific MKK1/MKK2 antibodies. <i>Biochemical Journal</i> , 2004, 378, 857-865.	1.7	52
102	Requirement for phosphatidylinositol-3 kinase activity during progression through S-phase and entry into mitosis. <i>Cellular Signalling</i> , 2003, 15, 667-675.	1.7	44
103	Identification of a C-terminal Region That Regulates Mitogen-activated Protein Kinase Kinase-1 Cytoplasmic Localization and ERK Activation. <i>Journal of Biological Chemistry</i> , 2001, 276, 48494-48501.	1.6	18
104	Inhibition of drug-induced Fas ligand transcription and apoptosis by Bcl-XL. <i>Molecular and Cellular Biochemistry</i> , 2001, 225, 7-20.	1.4	27
105	Tyrosine-Phosphorylated Extracellular Signal-Regulated Kinase Associates with the Golgi Complex during G2/M Phase of the Cell Cycle. <i>Journal of Cell Biology</i> , 2001, 153, 1355-1368.	2.3	67