Hyuk-Jin Cha

List of Publications by Year
in descending order

105	2,620	218592	233338
papers	citations	26 h-index	45 g-index

117	117	117	4433
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibition of pluripotent stem cell-derived teratoma formation by small molecules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E3281-90.	3.3	217
2	Wip1 Directly Dephosphorylates Î³-H2AX and Attenuates the DNA Damage Response. Cancer Research, 2010, 70, 4112-4122.	0.4	139
3	Metabolic control of primed human pluripotent stem cell fate and function by the miR-200câ€“SIRT2 axis. Nature Cell Biology, 2017, 19, 445-456.	4.6	138
4	Loss of E-cadherin activates EGFR-MEK/ERK signaling, which promotes invasion via the ZEB1/MMP2 axis in non-small cell lung cancer. Oncotarget, 2013, 4, 2512-2522.	0.8	131
5	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.. Frontiers in Bioscience - Landmark, 2012, 17, 1480.	3.0	89
6	Senescent Growth Arrest in Mesenchymal Stem Cells Is Bypassed by Wip1-Mediated Downregulation of Intrinsic Stress Signaling Pathways. Stem Cells, 2009, 27, 1963-1975.	1.4	83
7	Tyrosine-Phosphorylated Extracellular Signalâ€“Regulated Kinase Associates with the Golgi Complex during G2/M Phase of the Cell Cycle. Journal of Cell Biology, 2001, 153, 1355-1368.	2.3	67
8	A Functional Role for p38 MAPK in Modulating Mitotic Transit in the Absence of Stress. Journal of Biological Chemistry, 2007, 282, 22984-22992.	1.6	56
9	Nuclear Factor-ÎºB (NF-ÎºB) Is a Novel Positive Transcriptional Regulator of the Oncogenic Wip1 Phosphatase. Journal of Biological Chemistry, 2010, 285, 5249-5257.	1.6	56
10	Phosphorylation regulates nucleophosmin targeting to the centrosome during mitosis as detected by cross-reactive phosphorylation-specific MKK1/MKK2 antibodies. Biochemical Journal, 2004, 378, 857-865.	1.7	52
11	Requirement for phosphatidylinositol-3 kinase activity during progression through S-phase and entry into mitosis. Cellular Signalling, 2003, 15, 667-675.	1.7	44
12	Negative regulation of stressâ€•induced matrix metalloproteinaseâ€9 by Sirt1 in skin tissue. Experimental Dermatology, 2010, 19, 1060-1066.	1.4	44
13	Genetic modification of human adipose-derived stem cells for promoting wound healing. Journal of Dermatological Science, 2012, 66, 98-107.	1.0	44
14	Effects of thermal annealing of polymer:fullerene photovoltaic solar cells for high efficiency. Current Applied Physics, 2010, 10, S206-S209.	1.1	43
15	Effect of Ionizing Radiation Induced Damage of Endothelial Progenitor Cells in Vascular Regeneration. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 343-352.	1.1	42
16	Nuclear Factor Erythroid-Derived 2-Like 2-Induced Reductive Stress Favors Self-Renewal of Breast Cancer Stem-Like Cellsviathe FoxO3a-Bmi-1 Axis. Antioxidants and Redox Signaling, 2020, 32, 1313-1329.	2.5	41
17	The accumulation of DNA repair defects is the molecular origin of carcinogenesis. Tumor Biology, 2013, 34, 3293-3302.	0.8	40
18	SIRT1 is required for oncogenic transformation of neural stem cells and for the survival of â€œcancer cells with neural stemnessâ€•in a p53-dependent manner. Neuro-Oncology, 2015, 17, 95-106.	0.6	40

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19	Optimizing tissue-clearing conditions based on analysis of the critical factors affecting tissue-clearing procedures. Scientific Reports, 2018, 8, 12815.	1.6	37
20	Induction of MiR-21 by Stereotactic Body Radiotherapy Contributes to the Pulmonary Fibrotic Response. PLoS ONE, 2016, 11, e0154942.	1.1	36
21	The modulation of the oxidative stress response in chondrocytes by Wip1 and its effect on senescence and dedifferentiation during inÂvitro expansion. Biomaterials, 2013, 34, 2380-2388.	5.7	34
22	Tumor necrosis factor-inducible gene 6 promotes liver regeneration in mice with acute liver injury. Stem Cell Research and Therapy, 2015, 6, 20.	2.4	34
23	Large-scale pharmacogenomics based drug discovery for ITGB3 dependent chemoresistance in mesenchymal lung cancer. Molecular Cancer, 2018, 17, 175.	7.9	34
24	L1 retrotransposons exploit RNA m6A modification as an evolutionary driving force. Nature Communications, 2021, 12, 880.	5.8	32
25	PRMT8 Controls the Pluripotency and Mesodermal Fate of Human Embryonic Stem Cells By Enhancing the PI3K/AKT/SOX2 Axis. Stem Cells, 2017, 35, 2037-2049.	1.4	31
26	Repair of Ischemic Injury by Pluripotent Stem Cell Based Cell Therapy without Teratoma through Selective Photosensitivity. Stem Cell Reports, 2015, 5, 1067-1080.	2.3	30
27	In silico drug repositioning: from large-scale transcriptome data to therapeutics. Archives of Pharmacal Research, 2019, 42, 879-889.	2.7	30
28	Inhibition of drug-induced Fas ligand transcription and apoptosis by Bcl-XL. Molecular and Cellular Biochemistry, 2001, 225, 7-20.	1.4	27
29	Accelerated Wound Healing by <i>S</i>-Methylmethionine Sulfonium: Evidence of Dermal Fibroblast Activation via the ERK1/2 Pathway. Pharmacology, 2010, 85, 68-76.	0.9	27
30	Stochastic and Heterogeneous Cancer Cell Migration: Experiment and Theory. Scientific Reports, 2019, 9, 16297.	1.6	27
31	Hepatitis B virus X protein activates the ATMâ€“Chk2 pathway and delays cell cycle progression. Journal of General Virology, 2015, 96, 2242-2251.	1.3	27
32	GalNAc-T14 promotes metastasis through Wnt dependentHOXB9expression in lung adenocarcinoma. Oncotarget, 2015, 6, 41916-41928.	0.8	27
33	BCL2 induced by LAMTOR3/MAPK is a druggable target of chemoradioresistance in mesenchymal lung cancer. Cancer Letters, 2017, 403, 48-58.	3.2	26
34	Phosphorylation of golgin-160 by mixed lineage kinase 3. Journal of Cell Science, 2004, 117, 751-760.	1.2	25
35	Zap70 Functions to Maintain Stemness of Mouse Embryonic Stem Cells by Negatively Regulating Jak1/Stat3/c-Myc Signaling. Stem Cells, 2010, 28, 1476-1486.	1.4	25
36	In situ label-free quantification of human pluripotent stem cells with electrochemical potential. Biomaterials, 2016, 75, 250-259.	5.7	25

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37	Insulin concentration is critical in culturing human neural stem cells and neurons. Cell Death and Disease, 2013, 4, e766-e766.	2.7	24
38	Technical approaches to induce selective cell death of pluripotent stem cells. Cellular and Molecular Life Sciences, 2017, 74, 2601-2611.	2.4	24
39	Quercetin induced ROS production triggers mitochondrial cell death of human embryonic stem cells. Oncotarget, 2017, 8, 64964-64973.	0.8	24
40	Induction of integrin Î²3 by sustained ERK activity promotes the invasiveness of TGFÎ²-induced mesenchymal tumor cells. Cancer Letters, 2016, 376, 339-346.	3.2	23
41	Systematic identification of a nuclear receptor-enriched predictive signature for erastin-induced ferroptosis. Redox Biology, 2020, 37, 101719.	3.9	23
42	Connectivity map-based drug repositioning of bortezomib to reverse the metastatic effect of GALNT14 in lung cancer. Oncogene, 2020, 39, 4567-4580.	2.6	22
43	Off-target response of a Wip1 chemical inhibitor in skin keratinocytes. Journal of Dermatological Science, 2014, 73, 125-134.	1.0	21
44	Chronic TGFÎ² stimulation promotes the metastatic potential of lung cancer cells by Snail protein stabilization through integrin Î²3-Akt-GSK3Î² signaling. Oncotarget, 2016, 7, 25366-25376.	0.8	21
45	Conductive hybrid matrigel layer to enhance electrochemical signals of human embryonic stem cells. Sensors and Actuators B: Chemical, 2017, 242, 224-230.	4.0	20
46	Role of MEK partner-1 in cancer stemness through MEK/ERK pathway in cancerous neural stem cells, expressing EGFRviii. Molecular Cancer, 2017, 16, 140.	7.9	20
47	Enhancement of wound healing efficiency mediated by artificial dermis functionalized with EGF or NRG1. Biomedical Materials (Bristol), 2018, 13, 045007.	1.7	20
48	Identification of a C-terminal Region That Regulates Mitogen-activated Protein Kinase Kinase-1 Cytoplasmic Localization and ERK Activation. Journal of Biological Chemistry, 2001, 276, 48494-48501.	1.6	18
49	Evaluation of a multi-kinase inhibitor KRC-108 as an anti-tumor agent in vitro and in vivo. Investigational New Drugs, 2012, 30, 518-523.	1.2	18
50	Photodynamic Approach for Teratoma-Free Pluripotent Stem Cell Therapy Using CDy1 and Visible Light. ACS Central Science, 2016, 2, 604-607.	5.3	18
51	FBXL14 abolishes breast cancer progression by targeting CDCP1 for proteasomal degradation. Oncogene, 2018, 37, 5794-5809.	2.6	18
52	Crosstalk between YAP and TGFÎ² regulates SERPINE1 expression in mesenchymal lung cancer cells. International Journal of Oncology, 2020, 58, 111-121.	1.4	18
53	Inhibition of mixed-lineage kinase (MLK) activity during G2-phase disrupts microtubule formation and mitotic progression in HeLa cells. Cellular Signalling, 2006, 18, 93-104.	1.7	17
54	Oncogenic Ras Signals through Activation of Both Phosphoinositide 3-Kinase and Rac1 to Induce c-Jun NH2-Terminal Kinaseâ€“Mediated, Caspase-Independent Cell Death. Molecular Cancer Research, 2009, 7, 1534-1542.	1.5	17

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55	Generation of Cancerous Neural Stem Cells Forming Glial Tumor by Oncogenic Stimulation. Stem Cell Reviews and Reports, 2012, 8, 532-545.	5.6	17
56	Safe scarless cassette-free selection of genome-edited human pluripotent stem cells using temporary drug resistance. Biomaterials, 2020, 262, 120295.	5.7	17
57	Nobiletin Suppresses MMP-9 Expression through Modulation of p38 MAPK Activity in Human Dermal Fibrobalsts. Biological and Pharmaceutical Bulletin, 2014, 37, 158-163.	0.6	16
58	Rh D blood group conversion using transcription activator-like effector nucleases. Nature Communications, 2015, 6, 7451.	5.8	16
59	Timely Degradation of Wip1 Phosphatase by APC/C Activator Protein Cdh1 is Necessary for Normal Mitotic Progression. Journal of Cellular Biochemistry, 2015, 116, 1602-1612.	1.2	14
60	Tumor necrosis factor-inducible gene 6 protein ameliorates chronic liver damage by promoting autophagy formation in mice. Experimental and Molecular Medicine, 2017, 49, e380-e380.	3.2	13
61	Selective Elimination of Culture-Adapted Human Embryonic Stem Cells with BH3 Mimetics. Stem Cell Reports, 2018, 11, 1244-1256.	2.3	12
62	High expression of uracil DNA glycosylase determines C to T substitution in human pluripotent stem cells. Molecular Therapy - Nucleic Acids, 2022, 27, 175-183.	2.3	12
63	Extract of <scp>A</scp>neilema keisak inhibits transforming growth factorâ€Î²â€dependent signalling by inducing <scp>S</scp>mad2 downregulation in keloid fibroblasts. Experimental Dermatology, 2013, 22, 69-71.	1.4	11
64	Intact wound repair activity of human mesenchymal stem cells after YM155 mediated selective ablation of undifferentiated human embryonic stem cells. Journal of Dermatological Science, 2017, 86, 123-131.	1.0	11
65	A fluorescent chemical probe CDy9 selectively stains and enables the isolation of live naÃ¯ve mouse embryonic stem cells. Biomaterials, 2018, 180, 12-23.	5.7	11
66	Multiple isogenic GNE-myopathy modeling with mutation specific phenotypes from human pluripotent stem cells by base editors. Biomaterials, 2022, 282, 121419.	5.7	11
67	Sirt1 Regulates Microtubule Dynamics Through Negative Regulation of Plk1 in Mitosis. Journal of Cellular Biochemistry, 2015, 116, 1888-1897.	1.2	10
68	Wip1 directly dephosphorylates NLK and increases Wnt activity during germ cell development. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2017, 1863, 1013-1022.	1.8	10
69	Structure-Activity Relationship Analysis of YM155 for Inducing Selective Cell Death of Human Pluripotent Stem Cells. Frontiers in Chemistry, 2019, 7, 298.	1.8	10
70	p16Ink4a Suppression of Lung Adenocarcinoma by Bmi-1 in the Presence of p38 Activation. Journal of Thoracic Oncology, 2011, 6, 423-431.	0.5	8
71	Triterpenes with Cytotoxicity from the Leaves of <i>Vernicia fordii</i>. Chemical and Pharmaceutical Bulletin, 2013, 61, 674-677.	0.6	8
72	Î±-Mangostin induces G1 cell cycle arrest in HCT116 cells through p38MAPK-p16INK4a pathway. RSC Advances, 2015, 5, 34752-34760.	1.7	8

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73	Ell3 stimulates 5-FU resistance in a breast cancer cell line. Oncology Letters, 2017, 13, 4173-4179.	0.8	7
74	Suppression of SIRT2 and altered acetylation status of human pluripotent stem cells: possible link to metabolic switch during reprogramming. BMB Reports, 2017, 50, 435-436.	1.1	7
75	A Theoretical Model for the Cell Cycle and Drug Induced Cell Cycle Arrest of FUCCI Systems with Cell-to-Cell Variation during Mitosis. Pharmaceutical Research, 2019, 36, 57.	1.7	7
76	Identification of anti-melanogenic natural compounds from Galega officinalis and further drug repositioning. Journal of Dermatological Science, 2012, 67, 61-63.	1.0	6
77	Screening of cytotoxic or cytostatic flavonoids with quantitative Fluorescent Ubiquitination-based Cell Cycle Indicator-based cell cycle assay. Royal Society Open Science, 2018, 5, 181303.	1.1	6
78	Low dose radiation regulates BRAF-induced thyroid cellular dysfunction and transformation. Cell Communication and Signaling, 2019, 17, 12.	2.7	6
79	Heat shock factor 1, an inhibitor of non-homologous end joining repair. Oncotarget, 2015, 6, 29712-29724.	0.8	6
80	Sirt1 Promotes DNA Damage Repair and Cellular Survival. Biomolecules and Therapeutics, 2011, 19, 282-287.	1.1	6
81	Oncogenic challenges in stem cells and the link to cancer initiation. Archives of Pharmacal Research, 2012, 35, 235-244.	2.7	5
82	ERK Dephosphorylation through MKP1 Deacetylation by SIRT1 Attenuates RAS-Driven Tumorigenesis. Cancers, 2020, 12, 909.	1.7	5
83	TGFÎ² promotes YAPâ€dependent AXL induction in mesenchymalâ€type lung cancer cells. Molecular Oncology, 2021, 15, 679-696.	2.1	5
84	Wip1-expressing feeder cells retain pluripotency of co-cultured mouse embryonic stem cells under leukemia inhibitory factor-deprivated condition. Archives of Pharmacal Research, 2010, 33, 1253-1260.	2.7	4
85	Cell-matrix adhesion characterization using multiple shear stress zones in single stepwise microchannel. Applied Physics Letters, 2014, 105, 083701.	1.5	4
86	Inhibition of BET selectively eliminates undifferentiated pluripotent stem cells. Science Bulletin, 2018, 63, 477-487.	4.3	4
87	Designing Tyrosinase siRNAs by Multiple Prediction Algorithms and Evaluation of Their Anti-Melanogenic Effects. Biomolecules and Therapeutics, 2018, 26, 282-289.	1.1	4
88	Current status of biology, bioengineering, and therapeutic potential of stem cells. Archives of Pharmacal Research, 2012, 35, 193-196.	2.7	3
89	Helping Induced hPSCs Clean Up Their Act. Cell Chemical Biology, 2017, 24, 651-652.	2.5	3
90	Covalent Functionalization of FeCo/Graphitic Shell Nanocrystals via 1,3â€Đipolar Cycloaddition. ChemNanoMat, 2018, 4, 132-139.	1.5	3

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91	Target identification of mouse stem cell probe CDy1 as ALDH2 and Abcb1b through live-cell affinity-matrix and ABC CRISPRa library. RSC Chemical Biology, 2021, 2, 1590-1593.	2.0	3
92	Wip1, an oncogene targeting tumor suppressors expressed in intestinal stem cells. Current Colorectal Cancer Reports, 2009, 5, 197-202.	1.0	2
93	Design of a Balloon-Shaped Superconducting Single Spoke Resonator. Journal of the Korean Physical Society, 2019, 75, 117-125.	0.3	2
94	Luteolin Induces Selective Cell Death of Human Pluripotent Stem Cells. Biomedicines, 2020, 8, 453.	1.4	2
95	Dichotomous role of Shp2 for naÃ¯ve and primed pluripotency maintenance in embryonic stem cells. Stem Cell Research and Therapy, 2022, 13, .	2.4	2
96	Proactive strategy for long-term biological research aimed at low-dose radiation risk in Korea. International Journal of Radiation Biology, 2018, 94, 685-693.	1.0	1
97	Live isolation of naÃ¯ve ESCs via distinct glucose metabolism and stored glycogen. Metabolic Engineering, 2022, 72, 97-106.	3.6	1
98	Control of stress signaling in stem cells: crossroads of stem cells and cancer. Tumor Biology, 2016, 37, 12983-12990.	0.8	0
99	P38. , 2017, , 805-815.		0
100	Editorial Expression of Concern: Tumor necrosis factor-inducible gene 6 protein ameliorates chronic liver damage by promoting autophagy formation in mice. Experimental and Molecular Medicine, 2021, 53, 300-300.	3.2	0
101	P38. , 2014, , 1-11.		0
102	Abstract B54: Sustained exposure to TGFÎ²1 increases the stability of Snail and Slug via integrin Î²3-Akt-GSK3Î² signaling, facilitating tumor cell invasion. , 2016, , .		0
103	Abstract 4761: BCL2 induced by LAMTOR3-MAPK is a druggable target of chemoradioresistance in mesenchymal lung cancer. , 2017, , .		0
104	Abstract 2002: Computational drug repositioning identifies bortezomib as a novel metastatic inhibitor of lung cancer. , 2019, , .		0
105	Abstract 3799: Large-scale pharmacogenomics based drug discovery for ITGB3 dependent chemoresistance in mesenchymal lung cancer. , 2019, , .		0