

# Jong-Hoon Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

4,831  
citations

218592

26  
h-index

133188

59  
g-index

64  
all docs

64  
docs citations

64  
times ranked

7671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dopamine neurons derived from embryonic stem cells function in an animal model of Parkinson's disease. <i>Nature</i> , 2002, 418, 50-56.	13.7	1,527
2	TRRUST v2: an expanded reference database of human and mouse transcriptional regulatory interactions. <i>Nucleic Acids Research</i> , 2018, 46, D380-D386.	6.5	1,288
3	Functional Correction of Large Factor VIII Gene Chromosomal Inversions in Hemophilia A Patient-Derived iPSCs Using CRISPR-Cas9. <i>Cell Stem Cell</i> , 2015, 17, 213-220.	5.2	263
4	Differentiation of Neural Progenitor Cells in a Microfluidic Chip-Generated Cytokine Gradient. <i>Stem Cells</i> , 2009, 27, 2646-2654.	1.4	155
5	Milk Fat Globule-EGF Factor 8, Secreted by Mesenchymal Stem Cells, Protects Against Liver Fibrosis in Mice. <i>Gastroenterology</i> , 2017, 152, 1174-1186.	0.6	132
6	Direct and Indirect Contribution of Human Embryonic Stem Cell-Derived Hepatocyte-Like Cells to Liver Repair in Mice. <i>Gastroenterology</i> , 2012, 142, 602-611.	0.6	131
7	Targeted inversion and reversion of the blood coagulation factor 8 gene in human iPS cells using TALENs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9253-9258.	3.3	129
8	Cancer Targeted Enzymatic Theranostic Prodrug: Precise Diagnosis and Chemotherapy. <i>Bioconjugate Chemistry</i> , 2016, 27, 1419-1426.	1.8	75
9	Highly selective two-photon imaging of cysteine in cancerous cells and tissues. <i>Chemical Communications</i> , 2015, 51, 14401-14404.	2.2	67
10	Small Molecules Facilitate Single Factor-Mediated Hepatic Reprogramming. <i>Cell Reports</i> , 2016, 15, 814-829.	2.9	61
11	Nanotopography Promotes Pancreatic Differentiation of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells. <i>ACS Nano</i> , 2016, 10, 3342-3355.	7.3	53
12	Overcoming Chemoresistance in Cancer via Combined MicroRNA Therapeutics with Anticancer Drugs Using Multifunctional Magnetic Core-Shell Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 26954-26963.	4.0	52
13	Selective isolation and noninvasive analysis of circulating cancer stem cells through Raman imaging. <i>Biosensors and Bioelectronics</i> , 2018, 102, 372-382.	5.3	50
14	Vitronectin promotes oligodendrocyte differentiation during neurogenesis of human embryonic stem cells. <i>FEBS Letters</i> , 2009, 583, 561-567.	1.3	48
15	Human pluripotent stem cell-derived alveolar organoids for modeling pulmonary fibrosis and drug testing. <i>Cell Death Discovery</i> , 2021, 7, 48.	2.0	46
16	Valproic acid promotes differentiation of hepatocyte-like cells from whole human umbilical cord-derived mesenchymal stem cells. <i>Tissue and Cell</i> , 2014, 46, 127-135.	1.0	45
17	Biochemical and Morphological Effects of Hypoxic Environment on Human Embryonic Stem Cells in Long-Term Culture and Differentiating Embryoid Bodies. <i>Molecules and Cells</i> , 2011, 31, 123-132.	1.0	38
18	Programmed activation of cancer cell apoptosis: A tumor-targeted phototherapeutic topoisomerase I inhibitor. <i>Scientific Reports</i> , 2016, 6, 29018.	1.6	38

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19	Generation of uniform liver spheroids from human pluripotent stem cells for imaging-based drug toxicity analysis. <i>Biomaterials</i> , 2021, 269, 120529.	5.7	38
20	A fluorescent probe to detect thiol-containing amino acids in solid tumors. <i>Biomaterials</i> , 2014, 35, 4157-4167.	5.7	36
21	Interleukin-8 is related to poor chemotherapeutic response and tumorigenicity in hepatocellular carcinoma. <i>European Journal of Cancer</i> , 2014, 50, 341-350.	1.3	36
22	Identification of a novel SIRT7 inhibitor as anticancer drug candidate. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 451-457.	1.0	36
23	Comparative analysis of the developmental competence of three human embryonic stem cell lines in vitro. <i>Molecules and Cells</i> , 2007, 23, 49-56.	1.0	36
24	Enhanced Metabolizing Activity of Human ES Cell-Derived Hepatocytes Using a 3D Culture System with Repeated Exposures to Xenobiotics. <i>Toxicological Sciences</i> , 2015, 147, 190-206.	1.4	32
25	Generating CNS Neurons from Embryonic, Fetal, and Adult Stem Cells. <i>Methods in Enzymology</i> , 2003, 365, 303-327.	0.4	28
26	Neurogenic effect of vascular endothelial growth factor during germ layer formation of human embryonic stem cells. <i>FEBS Letters</i> , 2006, 580, 5869-5874.	1.3	28
27	Human umbilical cord-derived mesenchymal stem cells in acute liver injury: Hepatoprotective efficacy, subchronic toxicity, tumorigenicity, and biodistribution. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 81, 437-447.	1.3	27
28	Fluvastatin activates sirtuin 6 to regulate sterol regulatory element-binding proteins and AMP-activated protein kinase in HepG2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1415-1421.	1.0	24
29	Pancreatic Islet-Like Three-Dimensional Aggregates Derived from Human Embryonic Stem Cells Ameliorate Hyperglycemia in Streptozotocin-Induced Diabetic Mice. <i>Cell Transplantation</i> , 2015, 24, 2155-2168.	1.2	21
30	Prediction of hepatotoxicity for drugs using human pluripotent stem cell-derived hepatocytes. <i>Cell Biology and Toxicology</i> , 2018, 34, 51-64.	2.4	20
31	Ligand supported homology modeling and docking evaluation of CCR2: docked pose selection by consensus scoring. <i>Journal of Molecular Modeling</i> , 2011, 17, 2707-2716.	0.8	19
32	Engraftment Potential of Spheroid-Forming Hepatic Endoderm Derived from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 1818-1829.	1.1	19
33	Identification of MFGE8 in mesenchymal stem cell secretome as an anti-fibrotic factor in liver fibrosis. <i>BMB Reports</i> , 2017, 50, 58-59.	1.1	19
34	Differential cytotoxic effects of mono-(2-ethylhexyl) phthalate on blastomere-derived embryonic stem cells and differentiating neurons. <i>Toxicology</i> , 2009, 264, 145-154.	2.0	17
35	Synthetic probes for in vitro purification and in vivo tracking of hepatocytes derived from human pluripotent stem cells. <i>Biomaterials</i> , 2019, 222, 119431.	5.7	16
36	Milk Fat Globule-EGF Factor 8 Contributes to Progression of Hepatocellular Carcinoma. <i>Cancers</i> , 2020, 12, 403.	1.7	16

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37	Therapeutic correction of hemophilia A using 2D endothelial cells and multicellular 3D organoids derived from CRISPR/Cas9-engineered patient iPSCs. <i>Biomaterials</i> , 2022, 283, 121429.	5.7	16
38	Nanotopographical regulation of pancreatic islet-like cluster formation from human pluripotent stem cells using a gradient-pattern chip. <i>Acta Biomaterialia</i> , 2019, 95, 337-347.	4.1	14
39	MicroRNA signatures associated with thioacetamide-induced liver fibrosis in mice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1348-1355.	0.6	12
40	Secretome of Stem Cells: Roles of Extracellular Vesicles in Diseases, Stemness, Differentiation, and Reprogramming. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 19-33.	1.6	12
41	Current Understanding of Stem Cell and Secretome Therapies in Liver Diseases. <i>Tissue Engineering and Regenerative Medicine</i> , 2017, 14, 653-665.	1.6	10
42	Human Embryonic Stem Cell-Derived Wilson's Disease Model for Screening Drug Efficacy. <i>Cells</i> , 2020, 9, 872.	1.8	10
43	Conversion pattern and predictive factor of mild cognitive impairment in elderly Koreans. <i>Archives of Gerontology and Geriatrics</i> , 2016, 64, 146-150.	1.4	9
44	Octylphenol and nonylphenol affect decidualization of human endometrial stromal cells. <i>Reproductive Toxicology</i> , 2019, 89, 13-20.	1.3	9
45	The emerging roles of extracellular vesicles as intercellular messengers in liver physiology and pathology. <i>Clinical and Molecular Hepatology</i> , 2022, 28, 706-724.	4.5	9
46	Rho-associated kinase inhibitor enhances the culture condition of isolated mouse salivary gland cells in vitro. <i>Tissue and Cell</i> , 2018, 54, 20-25.	1.0	8
47	Quasi-Irreversible Inhibition of CYP2D6 by Berberine. <i>Pharmaceutics</i> , 2020, 12, 916.	2.0	8
48	LEFTY-PITX2 signaling pathway is critical for generation of mature and ventricular cardiac organoids in human pluripotent stem cell-derived cardiac mesoderm cells. <i>Biomaterials</i> , 2021, 278, 121133.	5.7	8
49	A combination of multiple autoantibodies is associated with the risk of Alzheimer's disease and cognitive impairment. <i>Scientific Reports</i> , 2022, 12, 1312.	1.6	7
50	Mannitol Augments the Effects of Systemical Stem Cell Transplantation without Increasing Cell Migration in a Stroke Animal Model. <i>Tissue Engineering and Regenerative Medicine</i> , 2020, 17, 695-704.	1.6	6
51	Fetal hematopoietic stem cells express MFG-E8 during mouse embryogenesis. <i>Experimental and Molecular Medicine</i> , 2015, 47, e174-e174.	3.2	4
52	Effective litmus gene test for monitoring the quality of blood samples: Application to Alzheimer's disease diagnostics. <i>Scientific Reports</i> , 2017, 7, 16848.	1.6	4
53	Human induced pluripotent stem cell line with cytochrome P450 enzyme polymorphism (CYP2C19*2/CYP3A5*3C) generated from lymphoblastoid cells. <i>Stem Cell Research</i> , 2018, 27, 34-37.	0.3	4
54	Live-cell screening platform using human-induced pluripotent stem cells expressing fluorescence-tagged cytochrome P450 1A1. <i>FASEB Journal</i> , 2020, 34, 9141-9155.	0.2	4

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55	Modeling Hypoxic Stress In Vitro Using Human Embryonic Stem Cells Derived Cardiomyocytes Matured by FGF4 and Ascorbic Acid Treatment. <i>Cells</i> , 2021, 10, 2741.	1.8	4
56	Multidimensional assembly using layer-by-layer deposition for synchronized cardiac macro tissues. <i>RSC Advances</i> , 2020, 10, 18806-18815.	1.7	2
57	Milk Fat Globule-Epidermal Growth Factor VIII Ameliorates Brain Injury in the Subacute Phase of Cerebral Ischemia in an Animal Model. <i>Journal of Korean Neurosurgical Society</i> , 2020, 63, 163-170.	0.5	2
58	Generation of cytochrome P450 polymorphic human induced pluripotent stem cell lines with defective CYP activities. <i>Stem Cell Research</i> , 2018, 31, 117-121.	0.3	1
59	ER stress reliever enhances functionalities of in vitro cultured hepatocytes. <i>Stem Cell Research</i> , 2020, 43, 101732.	0.3	1
60	Effects of rifampicin on hepatic antioxidant enzymes in PXR and CAR double humanized mice. <i>Molecular and Cellular Toxicology</i> , 2021, 17, 277-286.	0.8	1
61	Generation of an ACTA2-EGFP reporter human induced pluripotent stem cell line, KITi001-C-41, using CRISPR/Cas9-mediated homologous recombination. <i>Stem Cell Research</i> , 2021, 56, 102524.	0.3	0
62	Truncated Milk Fat Globule-EGF-like Factor 8 Ameliorates Liver Fibrosis via Inhibition of Integrin-TGF $\beta$ 2 Receptor Interaction. <i>Biomedicines</i> , 2021, 9, 1529.	1.4	0