Jin Kim

List of Publications by Year
in descending order

50	1,805	394421	276875
papers	citations	19 h-index	41 g-index

51	51	51	3004
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polydopamine-mediated surface modification of scaffold materials for human neural stem cell engineering. Biomaterials, 2012, 33, 6952-6964.	11.4	311
2	Microfluidic device with brain extracellular matrix promotes structural and functional maturation of human brain organoids. Nature Communications, 2021, 12, 4730.	12.8	164
3	Nanotopographical Manipulation of Focal Adhesion Formation for Enhanced Differentiation of Human Neural Stem Cells. ACS Applied Materials & Interfaces, 2013, 5, 10529-10540.	8.0	155
4	Tissue extracellular matrix hydrogels as alternatives to Matrigel for culturing gastrointestinal organoids. Nature Communications, 2022, 13, 1692.	12.8	101
5	Vascularized Liver Organoids Generated Using Induced Hepatic Tissue and Dynamic Liverâ€Specific Microenvironment as a Drug Testing Platform. Advanced Functional Materials, 2018, 28, 1801954.	14.9	100
6	Paper-based bioactive scaffolds for stem cell-mediated bone tissue engineering. Biomaterials, 2014, 35, 9811-9823.	11.4	93
7	Three-dimensional brain-like microenvironments facilitate the direct reprogramming of fibroblasts into therapeutic neurons. Nature Biomedical Engineering, 2018, 2, 522-539.	22.5	86
8	Fungal brain infection modelled in a human-neurovascular-unit-on-a-chip with a functional bloodâ€“brain barrier. Nature Biomedical Engineering, 2021, 5, 830-846.	22.5	83
9	Recapitulation of inÂvivo-like paracrine signals of human mesenchymal stem cells for functional neuronal differentiation of human neural stem cells in a 3D microfluidic system. Biomaterials, 2015, 63, 177-188.	11.4	67
10	Digital selective transformation and patterning of highly conductive hydrogel bioelectronics by laser-induced phase separation. Science Advances, 2022, 8, .	10.3	63
11	Triclosan affects axon formation in the neural development stages of zebrafish embryos (Danio) Tj ETQq1 1 0.784314 rgBT /Overlock 10	7.5	61
12	Bio-artificial tongue with tongue extracellular matrix and primary taste cells. Biomaterials, 2018, 151, 24-37.	11.4	49
13	A microfluidic array for quantitative analysis of human neural stem cell self-renewal and differentiation in three-dimensional hypoxic microenvironment. Biomaterials, 2013, 34, 6607-6614.	11.4	44
14	Multiphoton luminescent graphene quantum dots for in vivo tracking of human adipose-derived stem cells. Nanoscale, 2016, 8, 8512-8519.	5.6	35
15	Phloretin Inhibits the Human Prostate Cancer Cells Through the Generation of Reactive Oxygen Species. Pathology and Oncology Research, 2020, 26, 977-984.	1.9	34
16	Trimethyltin chloride induces reactive oxygen species-mediated apoptosis in retinal cells during zebrafish eye development. Science of the Total Environment, 2019, 653, 36-44.	8.0	31
17	Production of Multiple Cellâ€Laden Microtissue Spheroids with a Biomimetic Hepaticâ€Lobuleâ€Like Structure. Advanced Materials, 2021, 33, e2102624.	21.0	28
18	Magnetic Control of Axon Navigation in Reprogrammed Neurons. Nano Letters, 2019, 19, 6517-6523.	9.1	22

#	Article	IF	Citations
19	Enhanced Selfâ€Renewal and Accelerated Differentiation of Human Fetal Neural Stem Cells Using Graphene Oxide Nanoparticles. Macromolecular Bioscience, 2017, 17, 1600540.	4.1	19
20	Trimethyltin chloride inhibits neuronal cell differentiation in zebrafish embryo neurodevelopment. Neurotoxicology and Teratology, 2016, 54, 29-35.	2.4	18
21	Pimozide Inhibits the Human Prostate Cancer Cells Through the Generation of Reactive Oxygen Species. Frontiers in Pharmacology, 2020, 10, 1517.	3.5	18
22	Increased HGF Expression Induces Resistance to c-MET Tyrosine Kinase Inhibitors in Gastric Cancer. Anticancer Research, 2017, 37, 1127-1138.	1.1	18
23	Albendazole exerts antiproliferative effects on prostate cancer cells by inducing reactive oxygen species generation. Oncology Letters, 2021, 21, 395.	1.8	17
24	Implantable microfluidic device for the formation of three-dimensional vasculature by human endothelial progenitor cells. Biotechnology and Bioprocess Engineering, 2014, 19, 379-385.	2.6	16
25	Effect of Graphene Nanoribbons (TexasPEG) on locomotor function recovery in a rat model of lumbar spinal cord transection. Neural Regeneration Research, 2018, 13, 1440.	3.0	16
26	Nonviral delivery for reprogramming to pluripotency and differentiation. Archives of Pharmacal Research, 2014, 37, 107-119.	6.3	15
27	An outbreak of toxoplasmosis in squirrel monkeys (Saimiri sciureus) in South Korea. Journal of Medical Primatology, 2018, 47, 238-246.	0.6	13
28	Vitrification for cryopreservation of 2D and 3D stem cells culture using high concentration of cryoprotective agents. BMC Biotechnology, 2020, 20, 45.	3.3	13
29	Respiratory Toxicity of Polyhexamethylene Guanidine Phosphate Exposure in Zebrafish. Zebrafish, 2018, 15, 460-472.	1.1	12
30	Development of an alternative zebrafish model for drugâ€induced intestinal toxicity. Journal of Applied Toxicology, 2018, 38, 259-273.	2.8	10
31	Anti-Inflammatory Effects of M-MSCs in DNCB-Induced Atopic Dermatitis Mice. Biomedicines, 2020, 8, 439.	3.2	10
32	Development and validation of dual-cardiotoxicity evaluation method based on analysis of field potential and contractile force of human iPSC-derived cardiomyocytes / multielectrode assay platform. Biochemical and Biophysical Research Communications, 2021, 555, 67-73.	2.1	9
33	X-DNA Origami-Networked Core-Supported Lipid Stratum. Langmuir, 2015, 31, 912-916.	3.5	8
34	BAPTA, a calcium chelator, neuroprotects injured neurons in vitro and promotes motor recovery after spinal cord transection in vivo. CNS Neuroscience and Therapeutics, 2021, 27, 919-929.	3.9	8
35	Reconstruction of the spinal cord of spinal transected dogs with polyethylene glycol. , 2019, 10, 50.		8
36	Clinical significance of midkine expression in sporadic desmoid tumors. Oncology Letters, 2016, 11, 1677-1684.	1.8	7

#	Article	IF	Citations
37	Hybrid skin chips for toxicological evaluation of chemical drugs and cosmetic compounds. Lab on A Chip, 2022, 22, 343-353.	6.0	7
38	Loss of glutathione peroxidase 3 induces ROS and contributes to prostatic hyperplasia in Nkx3.1 knockout mice. Andrology, 2020, 8, 1486-1493.	3.5	6
39	Drug Screening: Vascularized Liver Organoids Generated Using Induced Hepatic Tissue and Dynamic Liver-Specific Microenvironment as a Drug Testing Platform (Adv. Funct. Mater. 37/2018). Advanced Functional Materials, 2018, 28, 1870266.	14.9	5
40	TALENâ€mediated generation of Nkx3.1 knockout rat model. Prostate, 2021, 81, 182-193.	2.3	5
41	Phenotyping analysis of p53 knockout mice produced by gene editing and comparison with conventional p53 knockout mice. Genes and Genomics, 2019, 41, 701-712.	1.4	3
42	Next-Generation Intestinal Toxicity Model of Human Embryonic Stem Cell-Derived Enterocyte-Like Cells. Frontiers in Veterinary Science, 2021, 8, 587659.	2.2	3
43	Improved human hematopoietic reconstitution in HepaRG co-transplanted humanized NSG mice. BMB Reports, 2020, 53, 466-471.	2.4	3
44	Establishment of Neurotoxicity Assessment Using Microelectrode Array (MEA) with hiPSC-Derived Neurons and Evaluation of New Psychoactive Substances (NPS). International Journal of Stem Cells, 2022, 15, 258-269.	1.8	3
45	Data set in support of neurotoxicity of trimethyltin chloride by morphological and protein analysis. Data in Brief, 2016, 6, 706-709.	1.0	2
46	Use of neural 3D organoid with MEA in neurotoxicity testing: comparison to traditional in vitro cell culture and in vivo methods. Molecular and Cellular Toxicology, 0, , 1.	1.7	2
47	Development and evaluation of next-generation cardiotoxicity assay based on embryonic stem cell-derived cardiomyocytes. BMB Reports, 2020, 53, 437-441.	2.4	2
48	Improved human hematopoietic reconstitution in HepaRG co-transplanted humanized NSG mice. BMB Reports, 2020, 53, 466-471.	2.4	1
49	A case of active incomplete biliary cirrhosis in an aged female Japanese macaque (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	0
50	Production of Multiple Cellâ€Laden Microtissue Spheroids with a Biomimetic Hepaticâ€Lobuleâ€Like Structure (Adv. Mater. 36/2021). Advanced Materials, 2021, 33, 2170286.	21.0	0