

Byeong-Cheol Kang

List of Publications by Year in descending order

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56
papers

530
citations

687363

13
h-index

752698

20
g-index

56
all docs

56
docs citations

56
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling Parkinson's disease in the common marmoset (<i>Callithrix jacchus</i>): overview of models, methods, and animal care. <i>Laboratory Animal Research</i> , 2015, 31, 155.	2.5	46
2	Efficient biomaterials for tissue engineering of female reproductive organs. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 447-454.	3.7	35
3	In vitro and in vivo safety studies of cinnamon extract (<i>Cinnamomum cassia</i>) on general and genetic toxicology. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 95, 115-123.	2.7	34
4	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.	2.7	27
5	Safety evaluation of <i>Angelica gigas</i> : Genotoxicity and 13-weeks oral subchronic toxicity in rats. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 473-480.	2.7	26
6	Gonadotropin Ratio Affects the <i>In Vitro</i> Growth of Rhesus Ovarian Preantral Follicles. <i>Journal of Investigative Medicine</i> , 2016, 64, 888-893.	1.6	22
7	Biocompatibility and Long-Term Toxicity of InnoPol Implant, a Biodegradable Polymer Scaffold. <i>Experimental Animals</i> , 2005, 54, 37-52.	1.1	20
8	Induction of multiple ovulation via modulation of angiotensin II receptors in in vitro ovarian follicle culture models. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 3100-3110.	2.7	20
9	Antiangiogenic effect of betaine on pathologic retinal neovascularization via suppression of reactive oxygen species mediated vascular endothelial growth factor signaling. <i>Vascular Pharmacology</i> , 2017, 90, 19-26.	2.1	17
10	Use of nonhuman primates for the development of bioengineered female reproductive organs. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 323-334.	3.7	16
11	Toxicologic assessment of <i>Paecilomyces tenuipes</i> in rats: Renal toxicity and mutagenic potential. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 527-534.	2.7	14
12	Evaluation of subchronic (13week) toxicity and genotoxicity potential of vinegar-processed Genkwa Flos. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 72, 386-393.	2.7	14
13	Preclinical Biosafety Evaluation of Genetically Modified Human Adipose Tissue-Derived Mesenchymal Stem Cells for Clinical Applications to Brainstem Glioma. <i>Stem Cells and Development</i> , 2016, 25, 897-908.	2.1	14
14	Advances in selecting appropriate non-rodent species for regulatory toxicology research: Policy, ethical, and experimental considerations. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 116, 104757.	2.7	14
15	Genotoxicity and subchronic toxicity of <i>Sophorae radix</i> in rats: Hepatotoxic and genotoxic potential. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 71, 379-387.	2.7	12
16	Exploration and comparison of in vitro eye irritation tests with the ISO standard in vivo rabbit test for the evaluation of the ocular irritancy of contact lenses. <i>Toxicology in Vitro</i> , 2016, 37, 79-87.	2.4	12
17	Evaluation of acute and subacute toxicity of sodium taurodeoxycholate in rats. <i>Drug and Chemical Toxicology</i> , 2021, 44, 268-276.	2.3	12
18	The expression profile of angiotensin system on thawed murine ovaries. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 724-731.	3.7	11

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19	Enzymatic extract from <i>Ecklonia cava</i> : Acute and subchronic oral toxicity and genotoxicity studies. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 92, 46-54.	2.7	11
20	Toxicity of fermented soybean product (cheonggukjang) manufactured by mixed culture of <i>Bacillus subtilis</i> MC31 and <i>Lactobacillus sakei</i> 383 on liver and kidney of ICR mice. <i>Laboratory Animal Research</i> , 2014, 30, 54.	2.5	10
21	Pre-clinical <i>in vitro</i> and <i>in vivo</i> safety evaluation of <i>Cimicifuga heracleifolia</i> . <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 303-310.	2.7	10
22	Neurometabolic profiles of the substantia nigra and striatum of MPTP α -intoxicated common marmosets: An <i>in vivo</i> proton MRS study at 9.4 \AA . <i>NMR in Biomedicine</i> , 2017, 30, e3686.	2.8	10
23	CRISPR/Cas9-mediated knockout of <i>Rag-2</i> causes systemic lymphopenia with hypoplastic lymphoid organs in FVB mice. <i>Laboratory Animal Research</i> , 2018, 34, 166.	2.5	10
24	Beneficial effects of ethanol extracts of <i>Red Liriope platyphylla</i> on vascular dysfunction in the aorta of spontaneously hypertensive rats. <i>Laboratory Animal Research</i> , 2015, 31, 13.	2.5	9
25	Assessment of acute, 14-day, and 13-week repeated oral dose toxicity of <i>Tigilium</i> seed extract in rats. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 251.	3.7	8
26	The Use of Normal Stem Cells and Cancer Stem Cells for Potential Anti-Cancer Therapeutic Strategy. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 365-380.	3.7	7
27	Expression of Transcripts in Marmoset Oocytes Retrieved during Follicle Isolation Without Gonadotropin Induction. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1133.	4.1	7
28	Preclinical study of safety of <i>Dendropanax morbifera</i> Leveille leaf extract: General and genetic toxicology. <i>Journal of Ethnopharmacology</i> , 2019, 238, 111874.	4.1	7
29	Oral Leiomyosarcoma in a Woodchuck (<i>Marmota monax</i>). <i>Journal of Veterinary Medical Science</i> , 2005, 67, 353-355.	0.9	6
30	Mutagenicity and tumor-promoting effects of <i>Tigilium</i> seed extract via PKC and MAPK signaling pathways. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 374-383.	1.3	6
31	Optimization and validation of a method to identify skin sensitization hazards using IL-1 β and IL-6 secretion from HaCaT. <i>Toxicology in Vitro</i> , 2019, 61, 104589.	2.4	6
32	Gold thread implantation promotes hair growth in human and mice. <i>Laboratory Animal Research</i> , 2017, 33, 291.	2.5	5
33	Evaluation of <i>in vitro</i> and <i>in vivo</i> genotoxicity of <i>Angelica acutiloba</i> in a standard battery of assays. <i>Laboratory Animal Research</i> , 2017, 33, 231.	2.5	5
34	Epigenetic Regulation of Cardiomyocyte Differentiation from Embryonic and Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8599.	4.1	5
35	Gastric Carcinogenesis in the miR-222/221 Transgenic Mouse Model. <i>Cancer Research and Treatment</i> , 2017, 49, 150-160.	3.0	5
36	Malignant Pleural Mesothelioma in a Woodchuck (<i>Marmota monax</i>). <i>Journal of Veterinary Medical Science</i> , 2004, 66, 1617-1619.	0.9	4

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37	A comprehensive study on in vitro and in vivo toxicological evaluation of <i>Artemisia capillaris</i> . <i>Regulatory Toxicology and Pharmacology</i> , 2017, 88, 87-95.	2.7	4
38	In vivo and in vitro safety evaluation of fermented <i>Citrus sunki</i> peel extract: acute and 90-day repeated oral toxicity studies with genotoxicity assessment. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 297.	2.7	4
39	Acute and subchronic toxicity of FCD, a soybean extract combined with l-carnitine, in Sprague-Dawley rats. <i>Regulatory Toxicology and Pharmacology</i> , 2011, 59, 285-292.	2.7	3
40	Behavior, PET and histology in novel regimen of MPTP marmoset model of Parkinson's disease for long-term stem cell therapy. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 100-109.	3.7	3
41	Simultaneous Determination and Stability Test of Two Phthalic Anhydride Derivatives, Senkyunolide A and Ligustilide, in the Water Extract of <i>Cnidium Rhizome</i> from Different Geographical Regions and Species Using HPLC-UV Analysis. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 784-788.	1.9	3
42	Nonclinical toxicology studies with sodium taurodeoxycholate: acute and subacute toxicity in dogs. <i>Drug and Chemical Toxicology</i> , 2021, 44, 161-169.	2.3	3
43	Genotoxicity Evaluation of Termite Mushroom, <i>Termitomyces albuminosus</i> (Agaricomycetes), Powder. <i>International Journal of Medicinal Mushrooms</i> , 2021, 23, 85-94.	1.5	3
44	Absence of subchronic oral toxicity and genotoxicity of rice koji with <i>Aspergillus terreus</i> . <i>Regulatory Toxicology and Pharmacology</i> , 2017, 89, 244-252.	2.7	2
45	Preclinical safety assessment of <i>Angelica acutiloba</i> using a 13-week repeated dose oral toxicity study in rats. <i>Laboratory Animal Research</i> , 2017, 33, 223.	2.5	2
46	Comparison of Genetically Engineered Immunodeficient Animal Models for Nonclinical Testing of Stem Cell Therapies. <i>Pharmaceutics</i> , 2021, 13, 130.	4.5	2
47	Efficacy and safety evaluation of black ginseng (<i>Panax ginseng</i> C.A. Mey.) extract (CJ EnerG): broad spectrum cytotoxic activity in human cancer cell lines and 28-day repeated oral toxicity study in Sprague-Dawley rats. <i>BMC Complementary Medicine and Therapies</i> , 2022, 22, 44.	2.7	2
48	Safety Assessment of <i>Acer tegmentosum</i> Maxim. Water Extract: General Toxicity Studies in Sprague-Dawley Rats and Beagle Dogs With Re-evaluation of Genotoxic Potentials. <i>Frontiers in Pharmacology</i> , 2021, 12, 687261.	3.5	1
49	Synergistic Promoting Effects of X-Linked Inhibitor of Apoptosis Protein and Matrix on the In Vitro Follicular Maturation of Marmoset Follicles. <i>Tissue Engineering and Regenerative Medicine</i> , 2022, 19, 93-103.	3.7	1
50	Safety Evaluation of Human Fibroblasts in Mice: Tumorigenicity, 13-week Toxicity and Distribution Studies. <i>Laboratory Animal Research</i> , 2010, 26, 181.	2.5	0
51	Establishment of a Research and Assessment System Using High Quality Non-Human Primates. <i>Laboratory Animal Research</i> , 2010, 26, 449.	2.5	0
52	Differential manifestation of ocular phenotypes in TALEN-mediated p19arf knockout FVB/N and C57BL/6J mouse lines. <i>Genes and Genomics</i> , 2020, 42, 1023-1033.	1.4	0
53	Pulmonary vein aneurysm in a New Zealand White rabbit: a case report. <i>Laboratory Animal Research</i> , 2022, 38, 4.	2.5	0
54	Diagnosis and treatment of macrocytic anemia in a perinatal common marmoset: a case report. <i>Laboratory Animal Research</i> , 2022, 38, 6.	2.5	0

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55	Acute aspiration pneumonia in common marmoset (<i>Callithrix jacchus</i>) with marmoset duodenal dilation syndrome: A case report. Journal of Medical Primatology, 2022, , .	0.6	0
56	Diagnosis of thrombotic microangiopathy in preeclampsia in the common marmoset (<i>Callithrix</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	0