

In-Jeoung Baek

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,946
citations

304701

22
h-index

276858

41
g-index

66
all docs

66
docs citations

66
times ranked

3077
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipid signatures reflect the function of the murine primary placentation. <i>Biology of Reproduction</i> , 2022, 106, 583-596.	2.7	1
2	Sphingosine 1-Phosphate Receptor 4 Promotes Nonalcoholic Steatohepatitis by Activating NLRP3 Inflammasome. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 925-947.	4.5	22
3	Association between ARID2 and RAS-MAPK pathway in intellectual disability and short stature. <i>Journal of Medical Genetics</i> , 2021, 58, 767-777.	3.2	4
4	Sphingomyelin synthase 1 mediates hepatocyte pyroptosis to trigger non-alcoholic steatohepatitis. <i>Gut</i> , 2021, 70, 1954-1964.	12.1	71
5	Mitophagy deficiency increases NLRP3 to induce brown fat dysfunction in mice. <i>Autophagy</i> , 2021, 17, 1205-1221.	9.1	53
6	Multiplex gene targeting in the mouse embryo using a Cas9-Cpf1 hybrid guide RNA. <i>Biochemical and Biophysical Research Communications</i> , 2021, 539, 48-55.	2.1	1
7	Heart defects and embryonic lethality in <i>Asb2</i> knock out mice correlate with placental defects. <i>Cells and Development</i> , 2021, 165, 203663.	1.5	3
8	Progesterone receptor membrane component 1 reduces cardiac steatosis and lipotoxicity via activation of fatty acid oxidation and mitochondrial respiration. <i>Scientific Reports</i> , 2021, 11, 8781.	3.3	12
9	Absence of progesterone receptor membrane component 1 reduces migration and metastasis of breast cancer. <i>Cell Communication and Signaling</i> , 2021, 19, 42.	6.5	11
10	Loss of PGRMC1 Delays the Progression of Hepatocellular Carcinoma via Suppression of Pro-Inflammatory Immune Responses. <i>Cancers</i> , 2021, 13, 2438.	3.7	11
11	Loss of <i>Acot12</i> contributes to NAFLD independent of lipolysis of adipose tissue. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1159-1169.	7.7	6
12	SLIT3 promotes myogenic differentiation as a novel therapeutic factor against muscle loss. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 1724-1740.	7.3	13
13	Interpretation of <i>XIAP</i> Variants of Uncertain Significance in Paediatric Patients with Refractory Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 1291-1304.	1.3	4
14	Progesterone increases blood glucose via hepatic progesterone receptor membrane component 1 under limited or impaired action of insulin. <i>Scientific Reports</i> , 2020, 10, 16316.	3.3	29
15	Progesterone receptor membrane component 1 is required for mammary gland development. <i>Biology of Reproduction</i> , 2020, 103, 1249-1259.	2.7	12
16	PIBF1 suppresses the ATR/CHK1 signaling pathway and promotes proliferation and motility of triple-negative breast cancer cells. <i>Breast Cancer Research and Treatment</i> , 2020, 182, 591-600.	2.5	3
17	NUDT7 Loss Promotes KrasG12D CRC Development. <i>Cancers</i> , 2020, 12, 576.	3.7	9
18	Protection of Lycopene against Embryonic Anomalies and Yolk Sac Placental Vasculogenic Disorders Induced by Nicotine Exposure. <i>BioMed Research International</i> , 2020, 2020, 1-12.	1.9	2

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19	Development of a <i>Pde6b</i> Gene Knockout Rat Model for Studies of Degenerative Retinal Diseases. , 2019, 60, 1519.		23
20	Enhanced Antitumor Immune Response in $2\alpha^2$ -5 α^2 Oligoadenylate Synthetase-Like 1- (OASL1-) Deficient Mice upon Cisplatin Chemotherapy and Radiotherapy. Journal of Immunology Research, 2019, 2019, 1-14.	2.2	3
21	Knockout rat models mimicking human atherosclerosis created by Cpf1-mediated gene targeting. Scientific Reports, 2019, 9, 2628.	3.3	39
22	Microbiota-Derived Lactate Accelerates Intestinal Stem-Cell-Mediated Epithelial Development. Cell Host and Microbe, 2018, 24, 833-846.e6.	11.0	277
23	Loss of progesterone receptor membrane component 1 promotes hepatic steatosis via the induced de novo lipogenesis. Scientific Reports, 2018, 8, 15711.	3.3	28
24	Generation of genetically-engineered animals using engineered endonucleases. Archives of Pharmacal Research, 2018, 41, 885-897.	6.3	24
25	Dysregulation of the NUDT7-PGAM1 axis is responsible for chondrocyte death during osteoarthritis pathogenesis. Nature Communications, 2018, 9, 3427.	12.8	48
26	Protective role of endogenous plasmalogens against hepatic steatosis and steatohepatitis in mice. Hepatology, 2017, 66, 416-431.	7.3	61
27	Superior Efficacy and Selectivity of Novel Small-Molecule Kinase Inhibitors of T790M-Mutant EGFR in Preclinical Models of Lung Cancer. Cancer Research, 2017, 77, 1200-1211.	0.9	11
28	Capsaicin attenuates spermatogenic cell death induced by scrotal hyperthermia through its antioxidative and anti-apoptotic activities. Andrologia, 2017, 49, e12656.	2.1	26
29	Enhanced Protective Effects of Combined Treatment with β -Carotene and Curcumin against Hyperthermic Spermatogenic Disorders in Mice. BioMed Research International, 2016, 2016, 1-8.	1.9	16
30	PIERCE1 is critical for specification of left-right asymmetry in mice. Scientific Reports, 2016, 6, 27932.	3.3	11
31	Generation of knockout mice by Cpf1-mediated gene targeting. Nature Biotechnology, 2016, 34, 808-810.	17.5	159
32	$2\alpha^2$ -5 α^2 Oligoadenylate synthetase-like 1 (OASL1) deficiency in mice promotes an effective anti-tumor immune response by enhancing the production of type I interferons. Cancer Immunology, Immunotherapy, 2016, 65, 663-675.	4.2	12
33	AUY922 Effectively Overcomes MET- and AXL-Mediated Resistance to EGFR-TKI in Lung Cancer Cells. PLoS ONE, 2015, 10, e0119832.	2.5	28
34	CCN3 overexpression inhibits growth of callosal projections via upregulation of RAB25. Biochemical and Biophysical Research Communications, 2015, 461, 456-462.	2.1	13
35	Phospholipid hydroperoxide glutathione peroxidase is involved in the maintenance of male fertility under cryptorchidism in mice. Reproductive Toxicology, 2015, 57, 73-80.	2.9	9
36	Curcumin dose-dependently improves spermatogenic disorders induced by scrotal heat stress in mice. Food and Function, 2015, 6, 3770-3777.	4.6	36

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37	P-glycoprotein confers acquired resistance to 17-DMAG in lung cancers with an ALK rearrangement. BMC Cancer, 2015, 15, 553.	2.6	16
38	4-methylhonokiol Inhibits Serious Embryo Anomalies Caused by Nicotine via Modulations of Oxidative Stress, Apoptosis, and Inflammation. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2014, 101, 125-134.	1.4	12
39	Knockout mice created by TALEN-mediated gene targeting. Nature Biotechnology, 2013, 31, 23-24.	17.5	326
40	Protective effect of [6]-gingerol on the ethanol-induced teratogenesis of cultured mouse embryos. Archives of Pharmacal Research, 2012, 35, 171-178.	6.3	6
41	Mouse genetics: Catalogue and scissors. BMB Reports, 2012, 45, 686-692.	2.4	28
42	Capsaicin prevents kainic acid-induced epileptogenesis in mice. Neurochemistry International, 2011, 58, 634-640.	3.8	49
43	Dynamic expression of manganese superoxide dismutase during mouse embryonic organogenesis. International Journal of Developmental Biology, 2011, 55, 327-334.	0.6	11
44	Differential Expression of Gastrointestinal Glutathione Peroxidase (GI-GPx) Gene during Mouse Organogenesis. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2011, 40, 210-218.	0.7	16
45	Transgenic overexpression of p23 induces spontaneous hydronephrosis in mice. International Journal of Experimental Pathology, 2011, 92, 251-259.	1.3	8
46	Emodin and [6]-gingerol lessen hypoxia-induced embryotoxicities in cultured mouse whole embryos via upregulation of hypoxia-inducible factor 1 α and intracellular superoxide dismutases. Reproductive Toxicology, 2011, 31, 513-518.	2.9	30
47	Expression profiles of extracellular superoxide dismutase during mouse organogenesis. Gene Expression Patterns, 2011, 11, 207-215.	0.8	3
48	Developmental expression of plasma glutathione peroxidase during mouse organogenesis. Journal of Molecular Histology, 2011, 42, 545-556.	2.2	7
49	Phospholipid hydroperoxide glutathione peroxidase gene is regulated via an estrogen and estrogen receptor signaling in cultured mouse fetuses. In Vitro Cellular and Developmental Biology - Animal, 2011, 47, 535-540.	1.5	6
50	Korean red ginseng extract does not cause embryo-fetal death or abnormalities in mice. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2010, 89, 78-85.	1.4	15
51	Black ginseng inhibits ethanol-induced teratogenesis in cultured mouse embryos through its effects on antioxidant activity. Toxicology in Vitro, 2009, 23, 47-52.	2.4	39
52	The spatio-temporal expression pattern of cytoplasmic Cu/Zn superoxide dismutase (SOD1) mRNA during mouse embryogenesis. Journal of Molecular Histology, 2008, 39, 95-103.	2.2	22
53	Capsaicin prevents ethanol-induced teratogenicity in cultured mouse whole embryos. Reproductive Toxicology, 2008, 26, 292-297.	2.9	13
54	Licorice Extract Does Not Impair the Male Reproductive Function of Rats. Experimental Animals, 2008, 57, 11-17.	1.1	15

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55	Immunohistochemical identification and quantitative analysis of cytoplasmic Cu/Zn superoxide dismutase in mouse organogenesis. <i>Journal of Veterinary Science</i> , 2008, 9, 233.	1.3	9
56	Effects of Ginsenosides on Organogenesis and Expression of Glutathione Peroxidase Genes in Cultured Rat Embryos. <i>Journal of Reproduction and Development</i> , 2008, 54, 164-170.	1.4	7
57	Spatiotemporal expression of the selenoprotein P gene in postimplantational mouse embryos. <i>International Journal of Developmental Biology</i> , 2008, 52, 1005-1011.	0.6	15
58	Differential Expression of 3.BETA.-Hydroxysteroid Dehydrogenase mRNA in Rat Testes Exposed to Endocrine Disruptors. <i>Journal of Reproduction and Development</i> , 2007, 53, 465-471.	1.4	29
59	Effects of endocrine disrupting chemicals on expression of phospholipid hydroperoxide glutathione peroxidase mRNA in rat testes. <i>Journal of Veterinary Science</i> , 2007, 8, 213.	1.3	14
60	Tissue expression and cellular localization of phospholipid hydroperoxide glutathione peroxidase (PHGPx) mRNA in male mice. <i>Journal of Molecular Histology</i> , 2007, 38, 237-244.	2.2	40
61	Expression Pattern of Sulfated Glycoprotein-2 (SGP-2) mRNA in Rat Testes Exposed to Endocrine Disruptors. <i>Journal of Reproduction and Development</i> , 2007, 53, 1007-1013.	1.4	11
62	Expression pattern of cytosolic glutathione peroxidase (cGPx) mRNA during mouse embryogenesis. <i>Anatomy and Embryology</i> , 2005, 209, 315-321.	1.5	30
63	Effects of Exposure to Genistein during Pubertal Development on the Reproductive System of Male Mice. <i>Journal of Reproduction and Development</i> , 2004, 50, 399-409.	1.4	26
64	Effects of Exposure to Genistein and Estradiol on Reproductive Development in Immature Male Mice Weaned from Dams Adapted to A Soy-based Commercial Diet. <i>Journal of Veterinary Medical Science</i> , 2004, 66, 1347-1354.	0.9	24
65	Effects of 17.BETA.-Estradiol and Tamoxifen on the Selenoprotein Phospholipid Hydroperoxide Glutathione Peroxidase (PHGPx) mRNA Expression in Male Reproductive Organs of Rats. <i>Journal of Reproduction and Development</i> , 2003, 49, 389-396.	1.4	24