

# Geun-Shik Lee

## List of Publications by Year in descending order

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69  
papers

2,275  
citations

279487

23  
h-index

223531

46  
g-index

69  
all docs

69  
docs citations

69  
times ranked

3436  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In vitro</i> maturation using $\hat{I}\pm$ MEM with reduced NaCl enhances maturation and developmental competence of pig oocytes after somatic cell nuclear transfer. <i>Journal of Veterinary Science</i> , 2022, 23, e31.	0.5	1
2	Korean Red Ginseng, a regulator of NLRP3 inflammasome, in the COVID-19 pandemic. <i>Journal of Ginseng Research</i> , 2022, 46, 331-336.	3.0	13
3	<i>In vitro</i> maturation on a soft agarose matrix enhances the developmental ability of pig oocytes derived from small antral follicles. <i>Journal of Animal Reproduction and Biotechnology</i> , 2022, 37, 34-41.	0.3	1
4	Activation of the <i>Legionella pneumophila</i> LegK7 Effector Kinase by the Host MOB1 Protein. <i>Journal of Molecular Biology</i> , 2021, 433, 166746.	2.0	9
5	Comparison of steroid hormones in $\hat{A}$ three $\hat{A}$ different preeclamptic models. <i>Molecular Medicine Reports</i> , 2021, 23, .	1.1	8
6	Glucose in a maturation medium with reduced NaCl improves oocyte maturation and embryonic development after somatic cell nuclear transfer and <i>in vitro</i> fertilization in pigs. <i>Zygote</i> , 2021, 29, 293-300.	0.5	2
7	Absence of progesterone receptor membrane component 1 reduces migration and metastasis of breast cancer. <i>Cell Communication and Signaling</i> , 2021, 19, 42.	2.7	11
8	<i>In vitro</i> growth culture in a medium with reduced sodium chloride improves maturation and developmental competence of pig oocytes derived from small antral follicles. <i>Theriogenology</i> , 2021, 165, 37-43.	0.9	2
9	Korean Red Ginseng attenuates ultraviolet-mediated inflammasome activation in keratinocytes. <i>Journal of Ginseng Research</i> , 2021, 45, 456-463.	3.0	11
10	Loss of PGRMC1 Delays the Progression of Hepatocellular Carcinoma via Suppression of Pro-Inflammatory Immune Responses. <i>Cancers</i> , 2021, 13, 2438.	1.7	11
11	NLRP3 Triggers Attenuate Lipocalin-2 Expression Independent with Inflammasome Activation. <i>Cells</i> , 2021, 10, 1660.	1.8	6
12	Lower Temperatures Exacerbate NLRP3 Inflammasome Activation by Promoting Monosodium Urate Crystallization, Causing Gout. <i>Cells</i> , 2021, 10, 1919.	1.8	11
13	Parabens disrupt non-canonical inflammasome activation. <i>International Immunopharmacology</i> , 2021, 101, 108196.	1.7	5
14	Lactoferrin Potentiates Inducible Regulatory T Cell Differentiation through TGF- $\hat{I}^2$ Receptor III Binding and Activation of Membrane-Bound TGF- $\hat{I}^2$ . <i>Journal of Immunology</i> , 2021, 207, 2456-2464.	0.4	2
15	$\hat{I}^{\circ}\hat{B}\hat{I}\hat{I}$ controls NLRP3 inflammasome activation via upregulation of the <i>Nlrp3</i> gene. <i>Cytokine</i> , 2020, 127, 154983.	1.4	9
16	Fructose-arginine, a non-saponin molecule of Korean Red Ginseng, attenuates AIM2 inflammasome activation. <i>Journal of Ginseng Research</i> , 2020, 44, 808-814.	3.0	15
17	Riboflavin, vitamin B2, attenuates NLRP3, NLR4, AIM2, and non-canonical inflammasomes by the inhibition of caspase-1 activity. <i>Scientific Reports</i> , 2020, 10, 19091.	1.6	37
18	Cathelicidin-Related Antimicrobial Peptide Regulates CD73 Expression in Mouse Th17 Cells via p38. <i>Cells</i> , 2020, 9, 1561.	1.8	4

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19	The Expression and Contribution of SRCs with Preeclampsia Placenta. <i>Reproductive Sciences</i> , 2020, 27, 1513-1521.	1.1	1
20	Characterization of equine inflammasomes and their regulation. <i>Veterinary Research Communications</i> , 2020, 44, 51-59.	0.6	8
21	Obovatol inhibits NLRP3, AIM2, and non-canonical inflammasome activation. <i>Phytomedicine</i> , 2019, 63, 153019.	2.3	22
22	IL-1 $\beta$ facilitates protective immunity against Salmonella infection via Th1 differentiation and IgG production. <i>Scientific Reports</i> , 2019, 9, 8397.	1.6	4
23	Nonsaponin fraction of Korean Red Ginseng attenuates cytokine production via inhibition of TLR4 expression. <i>Journal of Ginseng Research</i> , 2019, 43, 291-299.	3.0	27
24	Antiviral and anti-inflammatory activity of budesonide against human rhinovirus infection mediated via autophagy activation. <i>Antiviral Research</i> , 2018, 151, 87-96.	1.9	35
25	5 $\alpha$ -dihydrotestosterone reduces renal Cyp24a1 expression via suppression of progesterone receptor. <i>Journal of Molecular Endocrinology</i> , 2018, 60, 159-170.	1.1	9
26	Poly-gamma-glutamic acid from <i>Bacillus subtilis</i> upregulates pro-inflammatory cytokines while inhibiting NLRP3, NLRC4 and AIM2 inflammasome activation. <i>Cellular and Molecular Immunology</i> , 2018, 15, 111-119.	4.8	39
27	Combined Treatment with Demecolcine and 6-Dimethylaminopurine during Postactivation Improves Developmental Competence of Somatic Cell Nuclear Transfer Embryos in Pigs. <i>Animal Biotechnology</i> , 2018, 29, 41-49.	0.7	5
28	Crystal structure of FlgL and its implications for flagellar assembly. <i>Scientific Reports</i> , 2018, 8, 14307.	1.6	17
29	Loss of progesterone receptor membrane component 1 promotes hepatic steatosis via the induced de novo lipogenesis. <i>Scientific Reports</i> , 2018, 8, 15711.	1.6	28
30	Murine CD4 <sup>+</sup> T Cells Render B Cells Refractory to Commitment of IgA Isotype Switching. <i>Immune Network</i> , 2018, 18, e25.	1.6	5
31	Mercury and arsenic attenuate canonical and non-canonical NLRP3 inflammasome activation. <i>Scientific Reports</i> , 2018, 8, 13659.	1.6	29
32	Intra-Articular Injection of Alginate-Microencapsulated Adipose Tissue-Derived Mesenchymal Stem Cells for the Treatment of Osteoarthritis in Rabbits. <i>Stem Cells International</i> , 2018, 2018, 1-10.	1.2	23
33	Triggers of NLRC4 and AIM2 inflammasomes induce porcine IL-1 $\beta$ secretion. <i>Veterinary Research Communications</i> , 2018, 42, 265-273.	0.6	11
34	Crystal structure of the VanR transcription factor and the role of its unique $\alpha$ -helix in effector recognition. <i>FEBS Journal</i> , 2018, 285, 3786-3800.	2.2	11
35	Role of inflammasome regulation on immune modulators. <i>Journal of Biomedical Research</i> , 2018, 32, 401.	0.7	23
36	Lentinan from shiitake selectively attenuates AIM2 and non-canonical inflammasome activation while inducing pro-inflammatory cytokine production. <i>Scientific Reports</i> , 2017, 7, 1314.	1.6	53

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37	Isorhamnetin and hyperoside derived from water dropwort inhibits inflammasome activation. <i>Phytomedicine</i> , 2017, 24, 77-86.	2.3	67
38	Tetrameric structure of the flagellar cap protein FlhD from <i>Serratia marcescens</i> . <i>Biochemical and Biophysical Research Communications</i> , 2017, 489, 63-69.	1.0	16
39	Therapeutic effects of <i>Schisandra chinensis</i> on the hyperprolactinemia in rat. <i>International Journal of Oncology</i> , 2017, 50, 1448-1454.	1.4	14
40	Methylene blue inhibits NLRP3, NLRC4, AIM2, and non-canonical inflammasome activation. <i>Scientific Reports</i> , 2017, 7, 12409.	1.6	42
41	Mechanism underlying the suppressor activity of retinoic acid on IL4-induced IgE synthesis and its physiological implication. <i>Cellular Immunology</i> , 2017, 322, 49-55.	1.4	15
42	Nonsaponin fractions of Korean Red Ginseng extracts prime activation of NLRP3 inflammasome. <i>Journal of Ginseng Research</i> , 2017, 41, 513-523.	3.0	26
43	Caffeine treatment during in vitro maturation improves developmental competence of morphologically poor oocytes after somatic cell nuclear transfer in pigs. <i>Journal of Animal Reproduction and Biotechnology</i> , 2017, 32, 131-138.	0.3	0
44	Sulforaphane attenuates activation of NLRP3 and NLRC4 inflammasomes but not AIM2 inflammasome. <i>Cellular Immunology</i> , 2016, 306-307, 53-60.	1.4	47
45	Structural and biochemical characterization of the <i>Bacillus cereus</i> 3-hydroxyisobutyrate dehydrogenase. <i>Biochemical and Biophysical Research Communications</i> , 2016, 474, 522-527.	1.0	12
46	Retinoic acid enhances lactoferrin-induced IgA responses by increasing betaglycan expression. <i>Cellular and Molecular Immunology</i> , 2016, 13, 862-870.	4.8	17
47	Colcemid treatment during oocyte maturation improves preimplantation development of cloned pig embryos by influencing meiotic progression and cytoplasmic maturation. <i>Molecular Reproduction and Development</i> , 2015, 82, 489-497.	1.0	3
48	Elemol from <i>Chamaecyparis obtusa</i> ameliorates 2,4-dinitrochlorobenzene-induced atopic dermatitis. <i>International Journal of Molecular Medicine</i> , 2015, 36, 463-472.	1.8	32
49	The adverse effect of 4-tert-octylphenol on fat metabolism in pregnant rats via regulation of lipogenic proteins. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 284-291.	2.0	22
50	Methylsulfonylmethane inhibits NLRP3 inflammasome activation. <i>Cytokine</i> , 2015, 71, 223-231.	1.4	54
51	A canine model of Alzheimer's disease generated by overexpressing a mutated human amyloid precursor protein. <i>International Journal of Molecular Medicine</i> , 2014, 33, 1003-1012.	1.8	10
52	Characterization of porcine NLRP3 inflammasome activation and its upstream mechanism. <i>Veterinary Research Communications</i> , 2014, 38, 193-200.	0.6	27
53	Korean red ginseng extracts inhibit NLRP3 and AIM2 inflammasome activation. <i>Immunology Letters</i> , 2014, 158, 143-150.	1.1	67
54	Dimethyl sulfoxide inhibits NLRP3 inflammasome activation. <i>Immunobiology</i> , 2014, 219, 315-322.	0.8	65

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55	Generation of liver-specific TGF- $\beta$ and c-Myc-overexpressing fibroblasts for future creation of a liver cancer porcine model. <i>Molecular Medicine Reports</i> , 2014, 10, 329-335.	1.1	6
56	Spatial expression of claudin family members in various organs of mice. <i>Molecular Medicine Reports</i> , 2014, 9, 1806-1812.	1.1	13
57	Pig oocytes with a large perivitelline space matured in vitro show greater developmental competence after parthenogenesis and somatic cell nuclear transfer. <i>Molecular Reproduction and Development</i> , 2013, 80, 753-762.	1.0	18
58	Inflammasomes, multi-cellular protein complex in myeloid cells, induce several metabolic diseases via interleukin-1 $\beta$ maturation. <i>Journal of Biomedical Research</i> , 2013, 14, 195-200.	0.1	12
59	The calcium-sensing receptor regulates the NLRP3 inflammasome through Ca <sup>2+</sup> and cAMP. <i>Nature</i> , 2012, 492, 123-127.	13.7	795
60	K <sup>+</sup> -dependent Na <sup>+</sup> /Ca <sup>2+</sup> exchanger 3 is involved in renal active calcium transport and is differentially expressed in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 297, F371-F379.	1.3	11
61	Compensatory induction of the TRPV6 channel in a calbindin-D9k knockout mouse: Its regulation by 1,25-dihydroxyvitamin D <sub>3</sub> . <i>Journal of Cellular Biochemistry</i> , 2009, 108, 1175-1183.	1.2	13
62	Dietary calcium and vitamin D2 supplementation with enhanced <i>Lentinula edodes</i> improves osteoporosis-like symptoms and induces duodenal and renal active calcium transport gene expression in mice. <i>European Journal of Nutrition</i> , 2009, 48, 75-83.	1.8	28
63	The beneficial effect of the sap of <i>Acer mono</i> in an animal with low-calcium diet-induced osteoporosis-like symptoms. <i>British Journal of Nutrition</i> , 2008, 100, 1011-1018.	1.2	20
64	Uterine TRPV6 expression during the estrous cycle and pregnancy in a mouse model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E132-E138.	1.8	71
65	The classical and a non-classical pathways associated with NF- $\kappa$ B are involved in estrogen-mediated regulation of Calbindin-D9k gene in rat pituitary cells. <i>Molecular and Cellular Endocrinology</i> , 2007, 277, 42-50.	1.6	21
66	Phenotype of a Calbindin-D9k Gene Knockout Is Compensated for by the Induction of Other Calcium Transporter Genes in a Mouse Model. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1968-1978.	3.1	92
67	Glucocorticoids differentially regulate expression of duodenal and renal calbindin-D9k through glucocorticoid receptor-mediated pathway in mouse model. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E299-E307.	1.8	46
68	Estrogen Receptor $\beta$ Pathway Is Involved in the Regulation of Calbindin-D9k in the Uterus of Immature Rats. <i>Toxicological Sciences</i> , 2005, 84, 270-277.	1.4	49
69	Effect of Genistein As a Selective Estrogen Receptor Beta Agonist on the Expression of Calbindin-D9k in the Uterus of Immature Rats. <i>Toxicological Sciences</i> , 2004, 82, 451-457.	1.4	36