List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cathelicidin Family of Antibacterial Peptides CAP18 and CAP11 Inhibit the Expression of TNF-α by Blocking the Binding of LPS to CD14+ Cells. Journal of Immunology, 2001, 167, 3329-3338.	0.8	256
2	Human βâ€defensinâ€⊋ functions as a chemotactic agent for tumour necrosis factorâ€i±â€ŧreated human neutrophils. Immunology, 2004, 111, 273-281.	4.4	255
3	An Antimicrobial Cathelicidin Peptide, Human CAP18/LL-37, Suppresses Neutrophil Apoptosis via the Activation of Formyl-Peptide Receptor-Like 1 and P2X7. Journal of Immunology, 2006, 176, 3044-3052.	0.8	246
4	Antimicrobial Cathelicidin Peptide LL-37 Inhibits the LPS/ATP-Induced Pyroptosis of Macrophages by Dual Mechanism. PLoS ONE, 2014, 9, e85765.	2.5	99
5	Human Defensins and Cathelicidins in the Skin: Beyond Direct Antimicrobial Properties. Critical Reviews in Immunology, 2006, 26, 545-576.	0.5	91
6	Multifunctional Antimicrobial Proteins and Peptides: Natural Activators of Immune Systems. Current Pharmaceutical Design, 2009, 15, 2393-2413.	1.9	88
7	NF-kappa B-mediated transcriptional regulation of human beta-defensin-2 gene following lipopolysaccharide stimulation. Journal of Leukocyte Biology, 2002, 71, 154-62.	3.3	83
8	Purification of the 260 kDa cytosolic complex involved in the Superoxide production of guinea pig neutrophils. FEBS Letters, 1993, 330, 215-218.	2.8	76
9	Augmentation of the Lipopolysaccharide-Neutralizing Activities of Human Cathelicidin CAP18/LL-37-Derived Antimicrobial Peptides by Replacement with Hydrophobic and Cationic Amino Acid Residues. Vaccine Journal, 2002, 9, 972-982.	3.1	76
10	Evaluation of the effect of human Â-defensins on neutrophil apoptosis. International Immunology, 2008, 20, 543-553.	4.0	75
11	Heparins attenuated histone-mediated cytotoxicity in vitro and improved the survival in a rat model of histone-induced organ dysfunction. Intensive Care Medicine Experimental, 2015, 3, 36.	1.9	71
12	Human anti-microbial cathelicidin peptide LL-37 suppresses the LPS-induced apoptosis of endothelial cells. International Immunology, 2011, 23, 185-193.	4.0	69
13	Antimicrobial cathelicidin peptide LL-37 inhibits the pyroptosis of macrophages and improves the survival of polybacterial septic mice. International Immunology, 2016, 28, 245-253.	4.0	56
14	Neutrophil extracellular traps induce IL-1Î ² production by macrophages in combination with lipopolysaccharide. International Journal of Molecular Medicine, 2017, 39, 549-558.	4.0	48
15	Therapeutic Potential of Cathelicidin Peptide LL-37, an Antimicrobial Agent, in a Murine Sepsis Model. International Journal of Molecular Sciences, 2020, 21, 5973.	4.1	48
16	Is the neutrophil a â€~prima donna' in the procoagulant process during sepsis?. Critical Care, 2014, 18, 230.	5.8	46
17	Recent advances in the research and management of sepsis-associated DIC. International Journal of Hematology, 2021, 113, 24-33.	1.6	46
18	The anticoagulant therapy for sepsis-associated disseminated intravascular coagulation. Thrombosis Research, 2013, 131, 383-389.	1.7	41

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19	Evaluation of the expression of human CAP18 gene during neutrophil maturation in the bone marrow. Journal of Leukocyte Biology, 1998, 64, 845-852.	3.3	39
20	Protection of the endothelial glycocalyx by antithrombin in an endotoxin-induced rat model of sepsis. Thrombosis Research, 2018, 171, 1-6.	1.7	39
21	JAK2/STAT3 pathway as a therapeutic target in ovarian cancers. Oncology Letters, 2018, 15, 5772-5780.	1.8	38
22	Glucosamine, a naturally occurring amino monosaccharide, suppresses dextran sulfate sodium-induced colitis in rats. International Journal of Molecular Medicine, 2008, 22, 317-23.	4.0	37
23	Modulation of Neutrophil Apoptosis by Antimicrobial Peptides. , 2012, 2012, 1-12.		34
24	Glucosamine suppresses interleukin-8 production and ICAM-1 expression by TNF-alpha-stimulated human colonic epithelial HT-29 cells. International Journal of Molecular Medicine, 2008, 22, 205-11.	4.0	33
25	Human Host Defense Cathelicidin Peptide LL-37 Enhances the Lipopolysaccharide Uptake by Liver Sinusoidal Endothelial Cells without Cell Activation. Journal of Immunology, 2016, 196, 1338-1347.	0.8	30
26	Psoas muscle volume as a predictor of peripheral neurotoxicity induced by primary chemotherapy in ovarian cancers. Cancer Chemotherapy and Pharmacology, 2017, 80, 555-561.	2.3	29
27	Biological Activities of Glucosamine and Its Related Substances. Advances in Food and Nutrition Research, 2012, 65, 337-352.	3.0	27
28	Characterization of cDNA clones encoding guinea pig neutrophil cationic peptides. FEBS Letters, 1991, 280, 287-291.	2.8	26
29	Ketamine suppresses the substance P-induced production of IL-6 and IL-8 by human U373MG glioblastoma/astrocytoma cells. International Journal of Molecular Medicine, 2017, 39, 687-692.	4.0	25
30	Evaluation of the effect of glucosamine administration on biomarkers for cartilage and bone metabolism in soccer players. International Journal of Molecular Medicine, 2009, 24, 487-94.	4.0	24
31	Combination of antithrombin and recombinant thrombomodulin modulates neutrophil cell-death and decreases circulating DAMPs levels in endotoxemic rats. Thrombosis Research, 2014, 134, 169-173.	1.7	24
32	Evaluation of the effect of α-defensin human neutrophil peptides on neutrophil apoptosis. International Journal of Molecular Medicine, 2010, 26, 925-34.	4.0	23
33	Transcriptional regulation of mouse TREM-1 gene in RAW264.7 macrophage-like cells. Life Sciences, 2011, 89, 115-122.	4.3	23
34	Evaluation of the expression of the cationic peptide gene in various types of leukocytes. FEBS Letters, 1992, 302, 279-283.	2.8	22
35	Expression of insulin-like growth factor-IA and factor-IB mRNA in human liver, hepatoma cells, macrophage-like cells and fibroblast. FEBS Letters, 1991, 280, 79-83.	2.8	21
36	Effect of glucosamine, a therapeutic agent for osteoarthritis, on osteoblastic cell differentiation. International Journal of Molecular Medicine, 2011, 28, 373-9.	4.0	20

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37	Combination of antithrombin and recombinant thrombomodulin attenuates leukocyte–endothelial interaction and suppresses the increase of intrinsic damage–associated molecular patterns in endotoxemic rats. Journal of Surgical Research, 2014, 187, 581-586.	1.6	20
38	Low Endotoxin Recovery—Masking of Naturally Occuring Endotoxin. International Journal of Molecular Sciences, 2019, 20, 838.	4.1	19
39	Short exposure of intestinal epithelial cells to TNF-α and histamine induces Mac-1-mediated neutrophil adhesion independent of protein synthesis. Journal of Leukocyte Biology, 1999, 66, 437-446.	3.3	18
40	Modulation of TNF-alpha-induced endothelial cell activation by glucosamine, a naturally occurring amino monosaccharide. International Journal of Molecular Medicine, 2008, 22, 809-15.	4.0	18
41	Effects of glucosamine derivatives and uronic acids on the production of glycosaminoglycans by human synovial cells and chondrocytes. International Journal of Molecular Medicine, 2011, 27, 821-7.	4.0	17
42	Evaluation of the effect of recombinant thrombomodulin on a lipopolysaccharide-induced murine sepsis model. Experimental and Therapeutic Medicine, 2017, 13, 2969-2974.	1.8	17
43	Evaluation of the effects of a supplementary diet containing chicken comb extract on symptoms and cartilage metabolism in patients with knee osteoarthritis. Experimental and Therapeutic Medicine, 2010, 1, 817-827.	1.8	16
44	Investigation of the kinetics and mechanism of low endotoxin recovery in a matrix for biopharmaceutical drug products. Biologicals, 2018, 53, 1-9.	1.4	16
45	Chondroprotective action of glucosamine, a chitosan monomer, on the joint health of athletes. International Journal of Biological Macromolecules, 2019, 132, 795-800.	7.5	16
46	Structure of the guinea pig neutrophil cationic peptide gene. FEBS Letters, 1992, 303, 31-35.	2.8	15
47	MrgX2‑mediated internalization of LL‑37 and degranulation of human LAD2 mast cells. Molecular Medicine Reports, 2018, 18, 4951-4959.	2.4	15
48	Antimicrobial peptide LL-37 ameliorates a murine sepsis model via the induction of microvesicle release from neutrophils. Innate Immunity, 2020, 26, 565-579.	2.4	15
49	Outstanding Contributions of LAL Technology to Pharmaceutical and Medical Science: Review of Methods, Progress, Challenges, and Future Perspectives in Early Detection and Management of Bacterial Infections and Invasive Fungal Diseases. Biomedicines, 2021, 9, 536.	3.2	15
50	Glucosamine Downregulates the IL-1Î ² -Induced Expression of Proinflammatory Cytokine Genes in Human Synovial MH7A Cells by O-GlcNAc Modification-Dependent and -Independent Mechanisms. PLoS ONE, 2016, 11, e0165158.	2.5	14
51	Effect of glucosamine on expression of type II collagen, matrix metalloproteinase and sirtuin genes in a human chondrocyte cell line. International Journal of Molecular Medicine, 2017, 39, 472-478.	4.0	13
52	Effect of Hemoperfusion Using Polymyxin B-immobilized Fibers on Acute Lung Injury in a Rat Sepsis Model. International Journal of Medical Sciences, 2014, 11, 255-261.	2.5	12
53	Evaluation of the effect of salmon nasal proteoglycan on biomarkers for cartilage metabolism in individuals with knee joint discomfort: A randomized double-blind placebo-controlled clinical study. Experimental and Therapeutic Medicine, 2017, 14, 115-126.	1.8	12
54	Identification of a splice variant mRNA of p40phox, an NADPH oxidase component of phagocytes1. FEBS Letters, 1999, 455, 257-261.	2.8	11

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55	Neutrophil extracellular traps, damageâ€associated molecular patterns, and cell death during sepsis. Acute Medicine & Surgery, 2014, 1, 2-9.	1.2	11
56	Evaluation of the anti-inflammatory actions of various functional food materials including glucosamine on synovial cells. Molecular Medicine Reports, 2017, 16, 1353-1359.	2.4	11
57	Recent Aspects of the Chondroprotective and Anti-Inflammatory Actions of Glucosamine, a Functional Food. Juntendo Medical Journal, 2014, 60, 580-587.	0.1	11
58	Characterization of the promoters of the guinea pig neutrophil cationic peptide-1 and -2 genes. FEBS Letters, 1994, 356, 33-38.	2.8	10
59	Newly Developed Recombinant Antithrombin Protects the Endothelial Glycocalyx in an Endotoxin-Induced Rat Model of Sepsis. International Journal of Molecular Sciences, 2021, 22, 176.	4.1	10
60	Evaluation of the effect of N-acetyl-glucosamine administration on biomarkers for cartilage metabolism in healthy individuals without symptoms of arthritis: A randomized double-blind placebo-controlled clinical study. Experimental and Therapeutic Medicine, 2016, 12, 1481-1489.	1.8	9
61	ls there any predictor for hypersensitivity reactions in gynecologic cancer patients treated with paclitaxel-based therapy?. Cancer Chemotherapy and Pharmacology, 2017, 80, 65-69.	2.3	9
62	Protective effect of a newly developed fucose-deficient recombinant antithrombin against histone-induced endothelial damage. International Journal of Hematology, 2018, 107, 528-534.	1.6	9
63	The Potential Use of Grape Phytochemicals for Preventing the Development of Intestine-Related and Subsequent Inflammatory Diseases. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2019, 19, 794-802.	1.2	9
64	Evaluation of the lipopolysaccharide-induced transcription of the human TREM-1 gene in vitamin D3-matured THP-1 macrophage-like cells. International Journal of Molecular Medicine, 2015, 36, 1300-1310.	4.0	8
65	Double Filtration Plasmapheresis Enhances Neutrophil Chemotactic Responses in Hyperimmunoglobulin E Syndrome. Artificial Organs, 1995, 19, 98-102.	1.9	7
66	Yokukansan, a Japanese Herbal Medicine, Suppresses Substance P-Induced Production of Interleukin-6 and Interleukin-8 by Human U373 MG Glioblastoma Astrocytoma Cells. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2020, 20, 1073-1080.	1.2	7
67	Citrulline cooperatively exerts an anti‑inflammatory effect on synovial cells with glucosamine and N‑acetylglucosamine. Biomedical Reports, 2020, 13, 37-42.	2.0	7
68	Bacterial Endotoxin Assays Relevant to Host Defense Peptides. Juntendo Medical Journal, 2016, 62, 132-140.	0.1	6
69	Modulation of neutrophil adherence to endothelial cells by platelet-derived adherence-inhibiting factor through interactions with selectin molecules. Journal of Leukocyte Biology, 1998, 63, 500-508.	3.3	5
70	The Comparison of the Protective Effects of α- and β-Antithrombin against Vascular Endothelial Cell Damage Induced by Histone in Vitro. TH Open, 2017, 01, e3-e10.	1.4	4
71	Human Cathelicidin Peptide LL-37 Induces Cell Death in Autophagy-Dysfunctional Endothelial Cells. Journal of Immunology, 2022, 208, 2163-2172.	0.8	4
72	Cloning and characterization of the guinea pig neutrophil cationic peptide-1 and-2 genes. DNA Sequence, 1993, 4, 123-128.	0.7	3

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73	Release mechanism of high mobility group nucleosome binding domain 1 from lipopolysaccharide-stimulated macrophages. Molecular Medicine Reports, 2016, 13, 3115-3120.	2.4	3
74	Joint Health of Athletes and the Chondroprotective Action of Glucosamine. Juntendo Medical Journal, 2017, 63, 104-114.	0.1	3
75	Evaluation of Cartilage and Bone Metabolism in Collegiate Athletes Belonging to Various Sports Clubs by Analyzing Type II Collagen Degradation and Synthesis, and Type I Collagen Degradation. Juntendo Medical Journal, 2018, 64, 122-127.	0.1	3
76	Have Host Defense Peptides Been Acting in Innate Immunity Since the Trilobites of the Cambrian Period 540 Million Years Ago?. Juntendo Medical Journal, 2016, 62, 96-97.	0.1	3
77	Evaluation of the efficacy of AjugaÃ ⁻ Â;¼2decumbens extract supplement in individuals with knee discomfort associated with physical activity: A randomized, double‑blind, placebo‑controlled study. Experimental and Therapeutic Medicine, 2017, 14, 4561-4571.	1.8	2
78	Evaluation of the effect of the administration of a glucosamine‑containing supplement on biomarkers for cartilage metabolism in soccer players: A randomized double‑blind placebo‑controlled study. Molecular Medicine Reports, 2018, 18, 3941-3948.	2.4	2
79	Cartilage Metabolism in Endurance Athletes and Chondroprotective Action of Glucosamine. Juntendo Medical Journal, 2019, 65, 184-193.	0.1	2
80	Purification of the 28.5 kDa cytosolic protein involved in the activation of NADPH oxidase from guinea pig neutrophils. FEBS Letters, 1992, 302, 69-72.	2.8	1
81	The Effects of the Human Host Defense Peptide LL-37 on Endothelial Cells. Juntendo Medical Journal, 2016, 62, 105-111.	0.1	1
82	Effects of isoflavone derivatives on the production of inflammatory cytokines by synovial cells. Experimental and Therapeutic Medicine, 2021, 22, 1300.	1.8	1
83	Modulation of Macrophage Cell Death, Pyroptosis by Host Defense Peptide LL-37. Juntendo Medical Journal, 2016, 62, 98-104.	0.1	1
84	Effect of glucosamine on Interleukin-8 production from human colonic epithelial cell line. Inflammation and Regeneration, 2006, 26, 513-518.	3.7	1
85	Inhibitory effect of oral glucosamine administration on platelet activation in guinea pigs. Inflammation and Regeneration, 2006, 26, 446-452.	3.7	1
86	Improvement in chemotaxis using double filtration plasmapheresis in a patient with hyper immunoglobulin E syndrome Journal of the European Academy of Dermatology and Venereology, 1995, 4, 175-176.	2.4	0
87	Wheat gluten hydrolysate affects race performance in the triathlon. Biomedical Reports, 2013, 1, 646-650.	2.0	0
88	Molecular Mechanism for the Autophagy-Inducing Action of Glucosamine, a Food with Functional Claims, in Chondrocytes. Juntendo Medical Journal, 2020, 66, 478-479.	0.1	0
89	Therapeutic Action of Antimicrobial Cathelicidin Peptide LL-37 on a Murine Sepsis Model. Juntendo Medical Journal, 2020, 66, 297-311.	0.1	0