

Isao Nagaoka

List of Publications by Year in descending order

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89
papers

2,727
citations

218592

26
h-index

197736

49
g-index

89
all docs

89
docs citations

89
times ranked

3486
citing authors

#	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. <i>Journal of Immunology</i> , 2001, 167, 3329-3338.	0.4	256
2	Human beta-defensin-2 functions as a chemotactic agent for tumour necrosis factor-alpha-treated human neutrophils. <i>Immunology</i> , 2004, 111, 273-281.	2.0	255
3	An Antimicrobial Cathelicidin Peptide, Human CAP18/LL-37, Suppresses Neutrophil Apoptosis via the Activation of Formyl-Peptide Receptor-Like 1 and P2X7. <i>Journal of Immunology</i> , 2006, 176, 3044-3052.	0.4	246
4	Antimicrobial Cathelicidin Peptide LL-37 Inhibits the LPS/ATP-Induced Pyroptosis of Macrophages by Dual Mechanism. <i>PLoS ONE</i> , 2014, 9, e85765.	1.1	99
5	Human Defensins and Cathelicidins in the Skin: Beyond Direct Antimicrobial Properties. <i>Critical Reviews in Immunology</i> , 2006, 26, 545-576.	1.0	91
6	Multifunctional Antimicrobial Proteins and Peptides: Natural Activators of Immune Systems. <i>Current Pharmaceutical Design</i> , 2009, 15, 2393-2413.	0.9	88
7	NF-kappa B-mediated transcriptional regulation of human beta-defensin-2 gene following lipopolysaccharide stimulation. <i>Journal of Leukocyte Biology</i> , 2002, 71, 154-62.	1.5	83
8	Purification of the 260 kDa cytosolic complex involved in the Superoxide production of guinea pig neutrophils. <i>FEBS Letters</i> , 1993, 330, 215-218.	1.3	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. <i>Vaccine Journal</i> , 2002, 9, 972-982.	3.2	76
10	Evaluation of the effect of human α -defensins on neutrophil apoptosis. <i>International Immunology</i> , 2008, 20, 543-553.	1.8	75
11	Heparins attenuated histone-mediated cytotoxicity in vitro and improved the survival in a rat model of histone-induced organ dysfunction. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 36.	0.9	71
12	Human anti-microbial cathelicidin peptide LL-37 suppresses the LPS-induced apoptosis of endothelial cells. <i>International Immunology</i> , 2011, 23, 185-193.	1.8	69
13	Antimicrobial cathelicidin peptide LL-37 inhibits the pyroptosis of macrophages and improves the survival of polybacterial septic mice. <i>International Immunology</i> , 2016, 28, 245-253.	1.8	56
14	Neutrophil extracellular traps induce IL-1 β production by macrophages in combination with lipopolysaccharide. <i>International Journal of Molecular Medicine</i> , 2017, 39, 549-558.	1.8	48
15	Therapeutic Potential of Cathelicidin Peptide LL-37, an Antimicrobial Agent, in a Murine Sepsis Model. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5973.	1.8	48
16	Is the neutrophil a "prima donna"™ in the procoagulant process during sepsis?. <i>Critical Care</i> , 2014, 18, 230.	2.5	46
17	Recent advances in the research and management of sepsis-associated DIC. <i>International Journal of Hematology</i> , 2021, 113, 24-33.	0.7	46
18	The anticoagulant therapy for sepsis-associated disseminated intravascular coagulation. <i>Thrombosis Research</i> , 2013, 131, 383-389.	0.8	41

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19	Evaluation of the expression of human CAP18 gene during neutrophil maturation in the bone marrow. <i>Journal of Leukocyte Biology</i> , 1998, 64, 845-852.	1.5	39
20	Protection of the endothelial glycocalyx by antithrombin in an endotoxin-induced rat model of sepsis. <i>Thrombosis Research</i> , 2018, 171, 1-6.	0.8	39
21	JAK2/STAT3 pathway as a therapeutic target in ovarian cancers. <i>Oncology Letters</i> , 2018, 15, 5772-5780.	0.8	38
22	Glucosamine, a naturally occurring amino monosaccharide, suppresses dextran sulfate sodium-induced colitis in rats. <i>International Journal of Molecular Medicine</i> , 2008, 22, 317-23.	1.8	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. <i>International Journal of Molecular Medicine</i> , 2008, 22, 205-11.	1.8	33
25	Human Host Defense Cathelicidin Peptide LL-37 Enhances the Lipopolysaccharide Uptake by Liver Sinusoidal Endothelial Cells without Cell Activation. <i>Journal of Immunology</i> , 2016, 196, 1338-1347.	0.4	30
26	Psoas muscle volume as a predictor of peripheral neurotoxicity induced by primary chemotherapy in ovarian cancers. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 80, 555-561.	1.1	29
27	Biological Activities of Glucosamine and Its Related Substances. <i>Advances in Food and Nutrition Research</i> , 2012, 65, 337-352.	1.5	27
28	Characterization of cDNA clones encoding guinea pig neutrophil cationic peptides. <i>FEBS Letters</i> , 1991, 280, 287-291.	1.3	26
29	Ketamine suppresses the substance P-induced production of IL-6 and IL-8 by human U373MG glioblastoma/astrocytoma cells. <i>International Journal of Molecular Medicine</i> , 2017, 39, 687-692.	1.8	25
30	Evaluation of the effect of glucosamine administration on biomarkers for cartilage and bone metabolism in soccer players. <i>International Journal of Molecular Medicine</i> , 2009, 24, 487-94.	1.8	24
31	Combination of antithrombin and recombinant thrombomodulin modulates neutrophil cell-death and decreases circulating DAMPs levels in endotoxemic rats. <i>Thrombosis Research</i> , 2014, 134, 169-173.	0.8	24
32	Evaluation of the effect of Î±-defensin human neutrophil peptides on neutrophil apoptosis. <i>International Journal of Molecular Medicine</i> , 2010, 26, 925-34.	1.8	23
33	Transcriptional regulation of mouse TREM-1 gene in RAW264.7 macrophage-like cells. <i>Life Sciences</i> , 2011, 89, 115-122.	2.0	23
34	Evaluation of the expression of the cationic peptide gene in various types of leukocytes. <i>FEBS Letters</i> , 1992, 302, 279-283.	1.3	22
35	Expression of insulin-like growth factor-IA and factor-IB mRNA in human liver, hepatoma cells, macrophage-like cells and fibroblast. <i>FEBS Letters</i> , 1991, 280, 79-83.	1.3	21
36	Effect of glucosamine, a therapeutic agent for osteoarthritis, on osteoblastic cell differentiation. <i>International Journal of Molecular Medicine</i> , 2011, 28, 373-9.	1.8	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. <i>Journal of Surgical Research</i> , 2014, 187, 581-586.	0.8	20
38	Low Endotoxin Recovery Masking of Naturally Occuring Endotoxin. <i>International Journal of Molecular Sciences</i> , 2019, 20, 838.	1.8	19
39	Short exposure of intestinal epithelial cells to TNF- α and histamine induces Mac-1-mediated neutrophil adhesion independent of protein synthesis. <i>Journal of Leukocyte Biology</i> , 1999, 66, 437-446.	1.5	18
40	Modulation of TNF-alpha-induced endothelial cell activation by glucosamine, a naturally occurring amino monosaccharide. <i>International Journal of Molecular Medicine</i> , 2008, 22, 809-15.	1.8	18
41	Effects of glucosamine derivatives and uronic acids on the production of glycosaminoglycans by human synovial cells and chondrocytes. <i>International Journal of Molecular Medicine</i> , 2011, 27, 821-7.	1.8	17
42	Evaluation of the effect of recombinant thrombomodulin on a lipopolysaccharide-induced murine sepsis model. <i>Experimental and Therapeutic Medicine</i> , 2017, 13, 2969-2974.	0.8	17
43	Evaluation of the effects of a supplementary diet containing chicken comb extract on symptoms and cartilage metabolism in patients with knee osteoarthritis. <i>Experimental and Therapeutic Medicine</i> , 2010, 1, 817-827.	0.8	16
44	Investigation of the kinetics and mechanism of low endotoxin recovery in a matrix for biopharmaceutical drug products. <i>Biologicals</i> , 2018, 53, 1-9.	0.5	16
45	Chondroprotective action of glucosamine, a chitosan monomer, on the joint health of athletes. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 795-800.	3.6	16
46	Structure of the guinea pig neutrophil cationic peptide gene. <i>FEBS Letters</i> , 1992, 303, 31-35.	1.3	15
47	MrgX2-mediated internalization of LL-37 and degranulation of human LAD2 mast cells. <i>Molecular Medicine Reports</i> , 2018, 18, 4951-4959.	1.1	15
48	Antimicrobial peptide LL-37 ameliorates a murine sepsis model via the induction of microvesicle release from neutrophils. <i>Innate Immunity</i> , 2020, 26, 565-579.	1.1	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. <i>Biomedicines</i> , 2021, 9, 536.	1.4	15
50	Glucosamine Downregulates the IL-1 β -Induced Expression of Proinflammatory Cytokine Genes in Human Synovial MH7A Cells by O-GlcNAc Modification-Dependent and -Independent Mechanisms. <i>PLoS ONE</i> , 2016, 11, e0165158.	1.1	14
51	Effect of glucosamine on expression of type II collagen, matrix metalloproteinase and sirtuin genes in a human chondrocyte cell line. <i>International Journal of Molecular Medicine</i> , 2017, 39, 472-478.	1.8	13
52	Effect of Hemoperfusion Using Polymyxin B-immobilized Fibers on Acute Lung Injury in a Rat Sepsis Model. <i>International Journal of Medical Sciences</i> , 2014, 11, 255-261.	1.1	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. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 115-126.	0.8	12
54	Identification of a splice variant mRNA of p40phox, an NADPH oxidase component of phagocytes1. <i>FEBS Letters</i> , 1999, 455, 257-261.	1.3	11

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55	Neutrophil extracellular traps, damage-associated molecular patterns, and cell death during sepsis. <i>Acute Medicine & Surgery</i> , 2014, 1, 2-9.	0.5	11
56	Evaluation of the anti-inflammatory actions of various functional food materials including glucosamine on synovial cells. <i>Molecular Medicine Reports</i> , 2017, 16, 1353-1359.	1.1	11
57	Recent Aspects of the Chondroprotective and Anti-Inflammatory Actions of Glucosamine, a Functional Food. <i>Juntendo Medical Journal</i> , 2014, 60, 580-587.	0.1	11
58	Characterization of the promoters of the guinea pig neutrophil cationic peptide-1 and -2 genes. <i>FEBS Letters</i> , 1994, 356, 33-38.	1.3	10
59	Newly Developed Recombinant Antithrombin Protects the Endothelial Glycocalyx in an Endotoxin-Induced Rat Model of Sepsis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 176.	1.8	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. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 1481-1489.	0.8	9
61	Is there any predictor for hypersensitivity reactions in gynecologic cancer patients treated with paclitaxel-based therapy?. <i>Cancer Chemotherapy and Pharmacology</i> , 2017, 80, 65-69.	1.1	9
62	Protective effect of a newly developed fucose-deficient recombinant antithrombin against histone-induced endothelial damage. <i>International Journal of Hematology</i> , 2018, 107, 528-534.	0.7	9
63	The Potential Use of Grape Phytochemicals for Preventing the Development of Intestine-Related and Subsequent Inflammatory Diseases. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 794-802.	0.6	9
64	Evaluation of the lipopolysaccharide-induced transcription of the human TREM-1 gene in vitamin D3-matured THP-1 macrophage-like cells. <i>International Journal of Molecular Medicine</i> , 2015, 36, 1300-1310.	1.8	8
65	Double Filtration Plasmapheresis Enhances Neutrophil Chemotactic Responses in Hyperimmunoglobulin E Syndrome. <i>Artificial Organs</i> , 1995, 19, 98-102.	1.0	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. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2020, 20, 1073-1080.	0.6	7
67	Citrulline cooperatively exerts an anti-inflammatory effect on synovial cells with glucosamine and N-acetylglucosamine. <i>Biomedical Reports</i> , 2020, 13, 37-42.	0.9	7
68	Bacterial Endotoxin Assays Relevant to Host Defense Peptides. <i>Juntendo Medical Journal</i> , 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. <i>Journal of Leukocyte Biology</i> , 1998, 63, 500-508.	1.5	5
70	The Comparison of the Protective Effects of $\hat{1}\pm$ - and $\hat{1}^2$ -Antithrombin against Vascular Endothelial Cell Damage Induced by Histone in Vitro. <i>TH Open</i> , 2017, 01, e3-e10.	0.7	4
71	Human Cathelicidin Peptide LL-37 Induces Cell Death in Autophagy-Dysfunctional Endothelial Cells. <i>Journal of Immunology</i> , 2022, 208, 2163-2172.	0.4	4
72	Cloning and characterization of the guinea pig neutrophil cationic peptide-1 and-2 genes. <i>DNA Sequence</i> , 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. <i>Molecular Medicine Reports</i> , 2016, 13, 3115-3120.	1.1	3
74	Joint Health of Athletes and the Chondroprotective Action of Glucosamine. <i>Juntendo Medical Journal</i> , 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. <i>Juntendo Medical Journal</i> , 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?. <i>Juntendo Medical Journal</i> , 2016, 62, 96-97.	0.1	3
77	Evaluation of the efficacy of <i>Ajuga decumbens</i> extract supplement in individuals with knee discomfort associated with physical activity: A randomized, double-blind, placebo-controlled study. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 4561-4571.	0.8	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. <i>Molecular Medicine Reports</i> , 2018, 18, 3941-3948.	1.1	2
79	Cartilage Metabolism in Endurance Athletes and Chondroprotective Action of Glucosamine. <i>Juntendo Medical Journal</i> , 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. <i>FEBS Letters</i> , 1992, 302, 69-72.	1.3	1
81	The Effects of the Human Host Defense Peptide LL-37 on Endothelial Cells. <i>Juntendo Medical Journal</i> , 2016, 62, 105-111.	0.1	1
82	Effects of isoflavone derivatives on the production of inflammatory cytokines by synovial cells. <i>Experimental and Therapeutic Medicine</i> , 2021, 22, 1300.	0.8	1
83	Modulation of Macrophage Cell Death, Pyroptosis by Host Defense Peptide LL-37. <i>Juntendo Medical Journal</i> , 2016, 62, 98-104.	0.1	1
84	Effect of glucosamine on Interleukin-8 production from human colonic epithelial cell line. <i>Inflammation and Regeneration</i> , 2006, 26, 513-518.	1.5	1
85	Inhibitory effect of oral glucosamine administration on platelet activation in guinea pigs. <i>Inflammation and Regeneration</i> , 2006, 26, 446-452.	1.5	1
86	Improvement in chemotaxis using double filtration plasmapheresis in a patient with hyper immunoglobulin E syndrome.. <i>Journal of the European Academy of Dermatology and Venereology</i> , 1995, 4, 175-176.	1.3	0
87	Wheat gluten hydrolysate affects race performance in the triathlon. <i>Biomedical Reports</i> , 2013, 1, 646-650.	0.9	0
88	Molecular Mechanism for the Autophagy-Inducing Action of Glucosamine, a Food with Functional Claims, in Chondrocytes. <i>Juntendo Medical Journal</i> , 2020, 66, 478-479.	0.1	0
89	Therapeutic Action of Antimicrobial Cathelicidin Peptide LL-37 on a Murine Sepsis Model. <i>Juntendo Medical Journal</i> , 2020, 66, 297-311.	0.1	0