

Akane Tanaka

List of Publications by Year in descending order

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119
papers

2,921
citations

196777

29
h-index

223390

49
g-index

120
all docs

120
docs citations

120
times ranked

3908
citing authors

#	ARTICLE	IF	CITATIONS
1	Droplet impact of blood and blood simulants on a solid surface: Effect of the deformability of red blood cells and the elasticity of plasma. <i>Forensic Science International</i> , 2022, 331, 111138.	1.3	10
2	Osteopontin is a biomarker for early autoimmune uveoretinitis. <i>Neural Regeneration Research</i> , 2022, 17, 1604.	1.6	4
3	<i>Staphylococcus aureus</i> second immunoglobulin-binding protein drives atopic dermatitis via IL-33. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1354-1368.e3.	1.5	35
4	Short-term infusion of ultralow-dose dopamine in an adult horse with acute kidney injury: A case report. <i>Veterinary and Animal Science</i> , 2021, 12, 100176.	0.6	1
5	Histidine-Rich Glycoprotein Functions as a Dual Regulator of Neutrophil Activity in Horses. <i>Journal of Equine Veterinary Science</i> , 2021, 102, 103620.	0.4	2
6	Canine mast cell tumour cells regulate tryptophan catabolism via the expression of indoleamine 2,3-dioxygenase. <i>Research in Veterinary Science</i> , 2021, 137, 159-162.	0.9	2
7	Attenuation of Experimental Autoimmune Uveitis in Lewis Rats by Betaine. <i>Experimental Neurobiology</i> , 2021, 30, 308-317.	0.7	3
8	Evaluation of stress status using the stress map for guide dog candidates in the training stage using variations in the serum cortisol with nerve growth factor and magnesium ions. <i>Veterinary and Animal Science</i> , 2020, 10, 100129.	0.6	3
9	A Rapid Shift from Chronic Hyperoxia to Normoxia Induces Systemic Anaphylaxis via Transient Receptor Potential Ankyrin 1 Channels on Mast Cells. <i>Journal of Immunology</i> , 2020, 205, 2959-2967.	0.4	7
10	Cloning and Detection of Equine Histidine-Rich Glycoprotein. <i>Journal of Equine Veterinary Science</i> , 2019, 73, 121-126.	0.4	2
11	Visualization of penetration of a high-speed focused microjet into gel and animal skin. <i>Journal of Visualization</i> , 2019, 22, 449-457.	1.1	28
12	Microglial and astroglial reaction in the olfactory bulb of mice after Triton X-100 application. <i>Acta Histochemica</i> , 2019, 121, 546-552.	0.9	7
13	Oral Administration of Meloxicam Suppresses Low-Dose Endotoxin Challenge-Induced Pain in Thoroughbred Horses. <i>Journal of Equine Veterinary Science</i> , 2019, 77, 139-143.	0.4	8
14	Gene Expression Profile of Olfactory Transduction Signaling in an Animal Model of Human Multiple Sclerosis. <i>Experimental Neurobiology</i> , 2019, 28, 74-84.	0.7	14
15	Benefits of hesperidin in central nervous system disorders: a review. <i>Anatomy and Cell Biology</i> , 2019, 52, 369.	0.5	43
16	Molecular allergen profiling in horses by microarray reveals Fag e 2 from buckwheat as a frequent sensitizer. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1436-1446.	2.7	10
17	Improved effect of ultra-pure soft water on skin water content in older adults. <i>Geriatrics and Gerontology International</i> , 2018, 18, 364-365.	0.7	2
18	Suppressive Effect of Bortezomib on LPS-Induced Inflammatory Responses in Horses. <i>Journal of Equine Veterinary Science</i> , 2018, 61, 114-120.	0.4	3

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19	Reduction in the colonization of <i>Staphylococcus aureus</i> on the skin surface under calcium/magnesium-depleted conditions. <i>Letters in Applied Microbiology</i> , 2018, 67, 343-347.	1.0	1
20	Amelioration of atopic-like skin conditions in NC/Tnd mice by topical application with distilled <i>Alpinia intermedia</i> Gagnep extracts. <i>Journal of Dermatology</i> , 2017, 44, 1238-1247.	0.6	8
21	Effective induction of death in mesothelioma cells with magnetite nanoparticles under an alternating magnetic field. <i>Materials Science and Engineering C</i> , 2017, 81, 90-96.	3.8	9
22	Innate function of house dust mite allergens: robust enzymatic degradation of extracellular matrix at elevated pH. <i>World Allergy Organization Journal</i> , 2017, 10, 23.	1.6	5
23	Analysis of serum magnesium ions in dogs exposed to external stress: A pilot study. <i>Open Veterinary Journal</i> , 2017, 7, 367.	0.3	3
24	Mast cell hyperactivity underpins the development of oxygen-induced retinopathy. <i>Journal of Clinical Investigation</i> , 2017, 127, 3987-4000.	3.9	24
25	Linoleic acid salt with ultrapure soft water as an antibacterial combination against dermato-pathogenic <i>Staphylococcus</i> spp.. <i>Journal of Applied Microbiology</i> , 2016, 120, 280-288.	1.4	4
26	Changes in serum NGF levels after the exercise load in dogs: a pilot study. <i>Journal of Veterinary Medical Science</i> , 2016, 78, 1709-1712.	0.3	12
27	Development of new therapy for canine mammary cancer with recombinant measles virus. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 15022.	2.0	18
28	Cloning and Expression of Equine β -Nerve Growth Factor. <i>Journal of Equine Veterinary Science</i> , 2016, 45, 28-31.	0.4	2
29	Skin Barrier Disrupted By Enzymatic Activity of House Dust Mite Extracts. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB143.	1.5	0
30	Swing time ratio, a new parameter of gait disturbance, for the evaluation of the severity of neuropathic pain in a rat model of partial sciatic nerve ligation. <i>Journal of Pharmacological and Toxicological Methods</i> , 2016, 79, 7-14.	0.3	6
31	Skin pH Is the Master Switch of Kallikrein 5-Mediated Skin Barrier Destruction in a Murine Atopic Dermatitis Model. <i>Journal of Investigative Dermatology</i> , 2016, 136, 127-135.	0.3	92
32	Long-Term Observation of Advanced Nasopharyngeal Squamous Cell Carcinomas Treated Using a Combination Strategy. <i>Journal of the Nihon University Medical Association</i> , 2016, 75, 275-282.	0.0	0
33	A point mutation in the extracellular domain of KIT promotes tumorigenesis of mastcells via ligand-independent auto-dimerization. <i>Scientific Reports</i> , 2015, 5, 9775.	1.6	10
34	Dieckol, a phlorotannin of <i>Ecklonia cava</i> , suppresses IgE-mediated mast cell activation and passive cutaneous anaphylactic reaction. <i>Experimental Dermatology</i> , 2015, 24, 968-970.	1.4	23
35	Dihomo- γ -linolenic acid prevents the development of atopic dermatitis through prostaglandin D1 production in NC/Tnd mice. <i>Journal of Dermatological Science</i> , 2015, 79, 30-37.	1.0	37
36	Induction of Cell Death in Mesothelioma Cells by Magnetite Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 632-638.	2.6	10

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37	Development of a novel carrier optimized for cell sheet transplantation. <i>Biomatter</i> , 2015, 5, e1027846.	2.6	8
38	Crosstalk of carcinoembryonic antigen and transforming growth factor- β 2 via their receptors: comparing human and canine cancer. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 531-537.	2.0	18
39	Ultra-pure Soft Water Ameliorates Atopic Skin Disease by Preventing Metallic Soap Deposition in NC/Tnd Mice and Reduces Skin Dryness in Humans. <i>Acta Dermato-Venereologica</i> , 2014, 95, 787-91.	0.6	4
40	A new combined therapy for functional organ preservation and survival in lateral oropharyngeal wall cancer. <i>Acta Oto-Laryngologica</i> , 2014, 134, 872-880.	0.3	0
41	A molecular targeting against nuclear factor- β B, as a chemotherapeutic approach for human malignant mesothelioma. <i>Cancer Medicine</i> , 2014, 3, 416-425.	1.3	8
42	Ultra-pure soft water improves skin barrier function in children with atopic dermatitis: A randomized, double-blind, placebo-controlled, crossover pilot study. <i>Journal of Dermatological Science</i> , 2014, 76, 269-271.	1.0	15
43	Cervical branch of the facial nerve approach for retrograde parotidectomy compared with anterograde parotidectomy. <i>Acta Oto-Laryngologica</i> , 2014, 134, 1192-1197.	0.3	11
44	Nuclear Factor- β Inhibitor as a Preventive Factor of Digital Hypothermia Induced by Lipopolysaccharide in Horses. <i>Journal of Equine Veterinary Science</i> , 2014, 34, 1244-1248.	0.4	3
45	Nerve growth factor promotes killing of <i>Leishmania donovani</i> by macrophages through the induction of hydrogen peroxide. <i>Microbes and Infection</i> , 2014, 16, 702-706.	1.0	7
46	Production of stem cell factor in canine mast cell tumors. <i>Research in Veterinary Science</i> , 2014, 96, 124-126.	0.9	10
47	Oral Administration of Fermented Probiotics Improves the Condition of Feces in Adult Horses. <i>Journal of Equine Science</i> , 2014, 25, 65-72.	0.2	8
48	Nuclear factor- β plays a critical role in both intrinsic and acquired resistance against endocrine therapy in human breast cancer cells. <i>Scientific Reports</i> , 2014, 4, 4057.	1.6	54
49	The JNK/NF β pathway is required to activate murine lymphocytes induced by a sulfated polysaccharide from <i>Ecklonia cava</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 2820-2829.	1.1	13
50	Superselective intra-arterial chemotherapy for laryngeal preservation in carcinoma of the anterior oropharyngeal wall. <i>Acta Oto-Laryngologica</i> , 2013, 133, 194-202.	0.3	5
51	Heterogeneity of internal tandem duplications in the <i>kit</i> of dogs with multiple mast cell tumours. <i>Journal of Small Animal Practice</i> , 2013, 54, 377-380.	0.5	14
52	Superselective intra-arterial chemoradiation therapy for functional laryngeal preservation in advanced squamous cell carcinoma of the glottic larynx. <i>Acta Oto-Laryngologica</i> , 2013, 133, 633-640.	0.3	19
53	Circadian rhythms and the effect of glucocorticoids on expression of the clock gene <i>period1</i> in canine peripheral blood mononuclear cells. <i>Veterinary Journal</i> , 2013, 196, 402-407.	0.6	21
54	Suppressive effect of mangosteen rind extract on the spontaneous development of atopic dermatitis in NC/Tnd mice. <i>Journal of Dermatology</i> , 2013, 40, 786-796.	0.6	10

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55	Topical Application of Ketoprofen Improves Gait Disturbance in Rat Models of Acute Inflammation. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	7
56	Stem cell factor contributes to tumorigenesis of mast cells via an autocrine/paracrine mechanism. <i>Journal of Leukocyte Biology</i> , 2013, 93, 245-250.	1.5	18
57	Increased Expression of Gelatinase and Caspase Activities in the Skin of NC/Tnd Mice. <i>Dermatitis</i> , 2013, 24, 254-255.	0.8	3
58	Daily intake of <sc>eju</sc> groundwater improves the skin condition of the model mouse for human atopic dermatitis. <i>Journal of Dermatology</i> , 2013, 40, 193-200.	0.6	5
59	Antifungal effects of palmitic acid salt and ultrapure soft water on <i>Scedosporium apiospermum</i> . <i>Journal of Applied Microbiology</i> , 2013, 115, 711-717.	1.4	12
60	Laryngeal preservation in advanced piriform sinus squamous cell carcinomas using superselective intra-arterial chemoradiation therapy with three agents. <i>Acta Oto-Laryngologica</i> , 2013, 133, 318-326.	0.3	9
61	Abnormalities in Itch Sensation and Skin Barrier Function in Atopic NC/Tnd Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 1248-1252.	0.6	10
62	The Phosphoinositide 3-Kinase Pathway Is Crucial for the Growth of Canine Mast Cell Tumors. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 791-794.	0.3	9
63	Increased Expression of the Antiapoptotic Protein MCL1 in Canine Mast Cell Tumors. <i>Journal of Veterinary Medical Science</i> , 2013, 75, 971-974.	0.3	4
64	Efficacy of multidrug superselective intra-arterial chemotherapy (docetaxel, cisplatin, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td 1108-1114.	0.3	15
65	Recent Findings in Mouse Models for Human Atopic Dermatitis. <i>Experimental Animals</i> , 2012, 61, 77-84.	0.7	41
66	Supplementation of the fermented soy product ImmuBalance [®] effectively reduces itching behavior of atopic NC/Tnd mice. <i>Journal of Dermatological Science</i> , 2012, 67, 130-139.	1.0	25
67	Retinal Degeneration andrd1Mutation in NC/Tnd Mice [®] A Human Atopic Dermatitis Model. <i>Current Eye Research</i> , 2011, 36, 350-357.	0.7	1
68	Peroxisome proliferator [®] activated receptor [®] mediated suppression of dendritic cell function prevents the onset of [®] atopic dermatitis in NC/Tnd mice. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 420-429.e6.	1.5	47
69	Glucocorticoid sensitivity depends on expression levels of glucocorticoid receptors in canine neoplastic mast cells. <i>Veterinary Immunology and Immunopathology</i> , 2011, 144, 321-328.	0.5	17
70	Patterns of aquaporin expression in the canine eye. <i>Veterinary Journal</i> , 2011, 190, e72-e77.	0.6	20
71	Silencing of int6 gene restores function of the ischaemic hindlimb in a rat model of peripheral arterial disease. <i>Cardiovascular Research</i> , 2011, 92, 209-217.	1.8	18
72	Mast cells function as an alternative modulator of adipogenesis through 15-deoxy-delta-12, 14-prostaglandin J₂. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 301, C1360-C1367.	2.1	41

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73	Consecutive daily low-dose S-1 adjuvant chemotherapy after radical treatment for squamous cell carcinoma in head and neck cancer. <i>Acta Oto-Laryngologica</i> , 2011, 131, 1099-1103.	0.3	7
74	Evaluation of Itch by Using NC/NgaTnd Mice: A Model of Human Atopic Dermatitis. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-5.	3.0	15
75	Pilot evaluation of the efficacy of shampoo treatment with ultrapure soft water for canine pruritus. <i>Veterinary Dermatology</i> , 2010, 21, 477-483.	0.4	22
76	Effect of NGF on the Motility and Acrosome Reaction of Golden Hamster Spermatozoa In Vitro. <i>Journal of Reproduction and Development</i> , 2010, 56, 437-443.	0.5	38
77	A novel NF- κ B inhibitor improves glucocorticoid sensitivity of canine neoplastic lymphoid cells by up-regulating expression of glucocorticoid receptors. <i>Research in Veterinary Science</i> , 2010, 89, 378-382.	0.9	18
78	1P1-E12 A Cardiac Motion Capture System for Laboratory Animal. The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec), 2010, 2010, _1P1-E12_1-_1P1-E12_4.	0.0	0
79	Cardiac Motion Analysis Using High-Speed Video Images in a Rat Model for Myocardial Infarction. <i>Transactions of the Society of Instrument and Control Engineers</i> , 2010, 46, 547-554.	0.1	0
80	Oral supplementation with <i>Lactobacillus rhamnosus</i> CGMCC 1.3724 prevents development of atopic dermatitis in NC/NgaTnd mice possibly by modulating local production of IFN- γ . <i>Experimental Dermatology</i> , 2009, 18, 1022-1027.	1.4	47
81	Oral Administration of Dihomo- γ -Linolenic Acid Prevents Development of Atopic Dermatitis in NC/Nga Mice. <i>Lipids</i> , 2008, 43, 37-43.	0.7	35
82	Superficial keratectomy and topical mitomycin C as therapy for a corneal squamous cell carcinoma in a dog. <i>Journal of Small Animal Practice</i> , 2008, 49, 208-210.	0.5	14
83	Identification of c-kit mutations-independent neoplastic cell proliferation of canine mast cells. <i>Veterinary Immunology and Immunopathology</i> , 2008, 126, 43-53.	0.5	25
84	Establishment of a novel high-affinity IgE receptor-positive canine mast cell line with wild-type c-kit receptors. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 857-861.	1.0	14
85	Oral Administration of Bepotastine Besilate Suppressed Scratching Behavior of Atopic Dermatitis Model NC/Nga Mice. <i>International Archives of Allergy and Immunology</i> , 2008, 145, 277-282.	0.9	11
86	Prophylactic effect of oral administration of <i>Lactobacillus johnsonii</i> NCC533 (La1) during the weaning period on atopic dermatitis in NC/NgaTnd mice. <i>European Journal of Dermatology</i> , 2008, 18, 136-40.	0.3	11
87	Neurotrophins Act as Neuroendocrine Regulators of Skin Homeostasis in Health and Disease. <i>Hormone and Metabolic Research</i> , 2007, 39, 110-124.	0.7	54
88	A Sensitive Gait Parameter for Quantification of Arthritis in Rats. <i>Journal of Pharmacological Sciences</i> , 2007, 103, 113-116.	1.1	16
89	The tyrosine kinase inhibitor imatinib [STI571] induces regression of xenografted canine mast cell tumors in SCID mice. <i>Research in Veterinary Science</i> , 2007, 82, 239-241.	0.9	15
90	Topical Application with a New NF- κ B Inhibitor Improves Atopic Dermatitis in NC/NgaTnd Mice. <i>Journal of Investigative Dermatology</i> , 2007, 127, 855-863.	0.3	81

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91	Ingestion of heat-treated <i>Lactobacillus rhamnosus</i> GG prevents development of atopic dermatitis in NC/Nga mice. <i>Clinical and Experimental Allergy</i> , 2007, 37, 296-303.	1.4	95
92	A New I β B Kinase I β Inhibitor Prevents Human Breast Cancer Progression through Negative Regulation of Cell Cycle Transition. <i>Cancer Research</i> , 2006, 66, 419-426.	0.4	52
93	Animal Models of Atopic Eczema. , 2006, , 410-416.		1
94	Expression of Nerve Growth Factor in Itchy Skins in Atopic NC/NgaTnd Mice. <i>Journal of Veterinary Medical Science</i> , 2005, 67, 915-919.	0.3	53
95	A novel NF- κ B inhibitor, IMD-0354, suppresses neoplastic proliferation of human mast cells with constitutively activated c-kit receptors. <i>Blood</i> , 2005, 105, 2324-2331.	0.6	142
96	Acceleration of Wound Healing by Gelatin Film Dressings with Epidermal Growth Factor. <i>Journal of Veterinary Medical Science</i> , 2005, 67, 909-913.	0.3	112
97	<i>Mycobacterium vaccae</i> Reduces Scratching Behavior but not the Rash in NC Mice with Eczema: A Randomized, Blinded, Placebo-Controlled Trial. <i>Journal of Investigative Dermatology</i> , 2005, 124, 140-143.	0.3	6
98	Stem Cell Factor Has a Suppressive Activity to IgE-Mediated Chemotaxis of Mast Cells. <i>Journal of Immunology</i> , 2005, 174, 3626-3632.	0.4	30
99	IgE crosslinkage of Fc ϵ 1 receptor I induces both production and activation of matrix metalloproteinase-9 in mast cells. <i>Cellular Immunology</i> , 2004, 228, 66-75.	1.4	16
100	An autocrine function of nerve growth factor for cell cycle regulation of vascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 313, 1009-1014.	1.0	33
101	IgE alone-induced actin assembly modifies calcium signaling and degranulation in RBL-2H3 mast cells. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 286, C256-C263.	2.1	39
102	Nerve Growth Factor Activates Mast Cells Through the Collaborative Interaction with Lysophosphatidylserine Expressed on the Membrane Surface of Activated Platelets. <i>Journal of Immunology</i> , 2002, 168, 6412-6419.	0.4	89
103	Marked increase in CC chemokine gene expression in both human and mouse mast cell transcriptomes following Fc ϵ 1 receptor I cross-linking: an interspecies comparison. <i>Blood</i> , 2002, 100, 3861-3868.	0.6	106
104	Ceramide and sphingosine rapidly induce apoptosis of murine mast cells supported by interleukin-3 and stem cell factor. <i>Experimental Hematology</i> , 2002, 30, 272-278.	0.2	21
105	Atopic NC/Nga Mice as a Model for Allergic Asthma: Severe Allergic Responses by Single Intranasal Challenge with Protein Antigen.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 413-419.	0.3	21
106	Atopic NC/Nga Mice as a Model for Allergic asthma: Cytokine Profiles and Eosinophil Productivity of Bone Marrow.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 471-474.	0.3	7
107	Mast Cell MMP-9 Production Enhanced by Bacterial Lipopolysaccharide.. <i>Journal of Veterinary Medical Science</i> , 2001, 63, 811-813.	0.3	29
108	Necessity of Thromboxane A2 for Initiation of Platelet-Mediated Contact Sensitivity: Dual Activation of Platelets and Vascular Endothelial Cells. <i>Journal of Immunology</i> , 2001, 166, 617-623.	0.4	25

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109	Inability of IL-12 to Down-Regulate IgE Synthesis Due to Defective Production of IFN- γ in Atopic NC/Nga Mice. <i>Journal of Immunology</i> , 2001, 167, 5955-5962.	0.4	44
110	<i>Immunology and Hematology</i> . , 2000, , 437-446.		4
111	Nerve growth factor functions as a chemoattractant for mast cells through both mitogen-activated protein kinase and phosphatidylinositol 3-kinase signaling pathways. <i>Blood</i> , 2000, 95, 2052-2058.	0.6	117
112	Nerve growth factor functions as a chemoattractant for mast cells through both mitogen-activated protein kinase and phosphatidylinositol 3-kinase signaling pathways. <i>Blood</i> , 2000, 95, 2052-8.	0.6	34
113	Matrix Metalloproteinase-9 Production, a Newly Identified Function of Mast Cell Progenitors, Is Downregulated by c-kit Receptor Activation. <i>Blood</i> , 1999, 94, 2390-2395.	0.6	69
114	Human mast cells produce matrix metalloproteinase 9. <i>European Journal of Immunology</i> , 1999, 29, 2645-2649.	1.6	126
115	Human mast cells produce matrix metalloproteinase 9. , 1999, 29, 2645.		6
116	Matrix metalloproteinase-9 production, a newly identified function of mast cell progenitors, is downregulated by c-kit receptor activation. <i>Blood</i> , 1999, 94, 2390-5.	0.6	19
117	Role of Nerve Growth Factor in Cutaneous Wound Healing: Accelerating Effects in Normal and Healing-impaired Diabetic Mice. <i>Journal of Experimental Medicine</i> , 1998, 187, 297-306.	4.2	221
118	Nerve Growth Factor Modulates Fc Gamma Receptor Expression on Murine Macrophage J774A.1 Cells.. <i>Journal of Veterinary Medical Science</i> , 1998, 60, 87-91.	0.3	3
119	Mast Cell Tumors. , 0, , .		0