Harm HogenEsch

List of Publications by Year
in descending order

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135 papers	6,607 citations	50170 46 h-index	71532 76 g-index
138 all docs	138 docs citations	138 times ranked	7004 citing authors

#	Article	IF	Citations
1	Mechanism of Immunopotentiation and Safety of Aluminum Adjuvants. Frontiers in Immunology, 2012, 3, 406.	2.2	280
2	Mechanisms of stimulation of the immune response by aluminum adjuvants. Vaccine, 2002, 20, S34-S39.	1.7	278
3	Optimizing the utilization of aluminum adjuvants in vaccines: you might just get what you want. Npj Vaccines, 2018, 3, 51.	2.9	252
4	Role of aluminum-containing adjuvants in antigen internalization by dendritic cells in vitro. Vaccine, 2005, 23, 1588-1595.	1.7	250
5	Relationship between physical and chemical properties of aluminum-containing adjuvants and immunopotentiation. Expert Review of Vaccines, 2007, 6, 685-698.	2.0	233
6	Spontaneous mutations in the mouse Sharpin gene result in multiorgan inflammation, immune system dysregulation and dermatitis. Genes and Immunity, 2007, 8, 416-421.	2.2	198
7	Activation of dendritic cells and induction of CD4+ T cell differentiation by aluminum-containing adjuvants. Vaccine, 2007, 25, 4575-4585.	1.7	162
8	Notch-Dependent Repression of miR-155 in the Bone Marrow Niche Regulates Hematopoiesis in an NF-Î°B-Dependent Manner. Cell Stem Cell, 2014, 15, 51-65.	5.2	161
9	Cytokine Expression in Normal and Inflamed Esophageal Mucosa: A Study into the Pathogenesis of Allergic Eosinophilic Esophagitis. Journal of Pediatric Gastroenterology and Nutrition, 2006, 42, 22-26.	0.9	152
10	Experimental Infection of Young Specific Pathogenâ€Free Cats withBartonella henselae. Journal of Infectious Diseases, 1997, 176, 206-216.	1.9	147
11	Chronically Elevated Levels of Short-Chain Fatty Acids Induce T Cellâ€“Mediated Ureteritis and Hydronephrosis. Journal of Immunology, 2016, 196, 2388-2400.	0.4	135
12	Potentiation of the immune response to non-adsorbed antigens by aluminum-containing adjuvants. Vaccine, 2007, 25, 825-833.	1.7	120
13	Dysfunctional expansion of hematopoietic stem cells and block of myeloid differentiation in lethal sepsis. Blood, 2009, 114, 4064-4076.	0.6	120
14	Mucosal Immunity and Protective Efficacy of Intranasal Inactivated Influenza Vaccine Is Improved by Chitosan Nanoparticle Delivery in Pigs. Frontiers in Immunology, 2018, 9, 934.	2.2	116
15	Comparison of antibody functionality using different immobilization methods. Biotechnology and Bioengineering, 2003, 84, 215-223.	1.7	115
16	Relationship between the strength of antigen adsorption to an aluminum-containing adjuvant and the immune response. Vaccine, 2007, 25, 6618-6624.	1.7	113
17	Encapsulation of recombinant adenovirus into alginate microspheres circumvents vector-specific immune response. Gene Therapy, 2002, 9, 1722-1729.	2.3	106
18	Circumvention of Vector-Specific Neutralizing Antibody Response by Alternating Use of Human and Non-Human Adenoviruses: Implications in Gene Therapy. Virology, 2000, 272, 159-167.	1.1	98

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19	Mice lacking the transcription factor RelB develop T cell-dependent skin lesions similar to human atopic dermatitis. European Journal of Immunology, 2000, 30, 2323-2332.	1.6	96
20	Prevalence, Risk Factors, and Genetic Diversity of Bartonella henselae Infections in Pet Cats in Four Regions of the United States. Journal of Clinical Microbiology, 2004, 42, 652-659.	1.8	94
21	Retinoic Acid Determines the Precise Tissue Tropism of Inflammatory Th17 Cells in the Intestine. Journal of Immunology, 2010, 184, 5519-5526.	0.4	91
22	Relationship between the degree of antigen adsorption to aluminum hydroxide adjuvant in interstitial fluid and antibody production. Vaccine, 2003, 21, 1219-1223.	1.7	90
23	Effect of the strength of adsorption of hepatitis B surface antigen to aluminum hydroxide adjuvant on the immune response. Vaccine, 2009, 27, 888-892.	1.7	87
24	Urocanic Acid Photochemistry and Photobiology. Photochemistry and Photobiology, 1999, 69, 115-135.	1.3	83
25	Dendrimer-like alpha-d-glucan nanoparticles activate dendritic cells and are effective vaccine adjuvants. Journal of Controlled Release, 2015, 204, 51-59.	4.8	82
26	Oral vaccination with alginate microsphere systems. Journal of Controlled Release, 1996, 39, 209-220.	4.8	81
27	Mechanism of immunopotentiation by aluminum-containing adjuvants elucidated by the relationship between antigen retention at the inoculation site and the immune response. Vaccine, 2010, 28, 3588-3594.	1.7	80
28	Kinetics of the inflammatory response following intramuscular injection of aluminum adjuvant. Vaccine, 2013, 31, 3979-3986.	1.7	79
29	Evidence of reproductive failure and lack of perinatal transmission of Bartonella henselae in experimentally infected cats. Veterinary Immunology and Immunopathology, 1998, 65, 177-189.	0.5	77
30	Pathologic Features of Naturally Occurring Juvenile Polyarteritis in Beagle Dogs. Veterinary Pathology, 1995, 32, 337-345.	0.8	76
31	Effect of the Degree of Phosphate Substitution in Aluminum Hydroxide Adjuvant on the Adsorption of Phosphorylated Proteins. Pharmaceutical Development and Technology, 2003, 8, 81-86.	1.1	74
32	Degree of antigen adsorption in the vaccine or interstitial fluid and its effect on the antibody response in rabbits. Vaccine, 2001, 19, 2884-2889.	1.7	70
33	Mechanism of adsorption of hepatitis B surface antigen by aluminum hydroxide adjuvant. Vaccine, 2004, 22, 1475-1479.	1.7	70
34	Immunization with DNA, adenovirus or both in biodegradable alginate microspheres: effect of route of inoculation on immune response. Vaccine, 2000, 19, 253-263.	1.7	69
35	Detoxification of endotoxin by aluminum hydroxide adjuvant. Vaccine, 2001, 19, 1747-1752.	1.7	68
36	Vaccine-Induced Autoimmunity in the Dog. Advances in Veterinary Medicine, 1999, 41, 733-747.	0.6	67

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37	Challenges in pre-clinical testing of anti-cancer drugs in cell culture and in animal models. Journal of Controlled Release, 2012, 164, 183-186.	4.8	60
38	Effect of age on immune parameters and the immune response of dogs to vaccines: a cross-sectional study. Veterinary Immunology and Immunopathology, 2004, 97, 77-85.	0.5	59
39	Identification of a Chemokine Network That Recruits FoxP3+ Regulatory T Cells Into Chronically Inflamed Intestine. Gastroenterology, 2007, 132, 966-981.	0.6	59
40	Change in the degree of adsorption of proteins by aluminum-containing adjuvants following exposure to interstitial fluid: freshly prepared and aged model vaccines. Vaccine, 2001, 20, 80-85.	1.7	58
41	Porcine circovirus type 2 (PCV2) causes apoptosis in experimentally inoculated BALB/c mice. BMC Veterinary Research, 2005, 1, 7.	0.7	57
42	Effect of phosphorylation of ovalbumin on adsorption by aluminum-containing adjuvants and elution upon exposure to interstitial fluid. Vaccine, 2005, 23, 1502-1506.	1.7	55
43	SHARPIN is a key regulator of immune and inflammatory responses. Journal of Cellular and Molecular Medicine, 2012, 16, 2271-2279.	1.6	55
44	Induction of systemic and mucosal immune response in cattle by intranasal administration of pig serum albumin in alginate microparticles. Veterinary Immunology and Immunopathology, 2001, 83, 93-105.	0.5	51
45	Chronic Proliferative Dermatitis in Sharpin Null Mice: Development of an Autoinflammatory Disease in the Absence of B and T Lymphocytes and IL4/IL13 Signaling. PLoS ONE, 2014, 9, e85666.	1.1	51
46	Adverse Vaccinal Events in Dogs and Cats. Veterinary Clinics of North America - Small Animal Practice, 2010, 40, 393-407.	0.5	46
47	Immunologic abnormalities in canine juvenile polyarteritis syndrome: A naturally occurring animal model of Kawasaki disease. Clinical Immunology and Immunopathology, 1992, 65, 110-118.	2.1	44
48	Increased expression of type 2 cytokines in chronic proliferative dermatitis (cpdm) mutant mice and resolution of inflammation following treatment with IL-12. European Journal of Immunology, 2001, 31, 734-742.	1.6	42
49	Comparative analysis of vector biodistribution, persistence and gene expression following intravenous delivery of bovine, porcine and human adenoviral vectors in a mouse model. Virology, 2009, 386, 44-54.	1.1	42
50	Increased Expression of Cxcr3 and Its Ligands, Cxcl9 and Cxcl10, during the Development of Alopecia Areata in the Mouse. Journal of Investigative Dermatology, 2012, 132, 1736-1738.	0.3	41
51	Evaluation of antithyroglobulin antibodies after routine vaccination in pet and research dogs. Journal of the American Veterinary Medical Association, 2002, 221, 515-521.	0.2	39
52	Alpha-D-glucan nanoparticulate adjuvant induces a transient inflammatory response at the injection site and targets antigen to migratory dendritic cells. Npj Vaccines, 2017, 2, 4.	2.9	39
53	Preformulation studiesâ€"The next advance in aluminum adjuvant-containing vaccines. Vaccine, 2010, 28, 4868-4870.	1.7	38
54	Induction of pulmonary immunity in cattle by oral administration of ovalbumin in alginate microspheres. Immunology Letters, 1998, 60, 37-43.	1.1	36

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55	SHARPIN Is Essential for Cytokine Production, NF-Î²B Signaling, and Induction of Th1 Differentiation by Dendritic Cells. PLoS ONE, 2012, 7, e31809.	1.1	35
56	Immune response of neonatal specific pathogen-free cats to experimental infection with Bartonella henselae. Veterinary Immunology and Immunopathology, 1999, 71, 233-243.	0.5	33
57	Distribution of adsorbed antigen in mono-valent and combination vaccines. Vaccine, 2004, 22, 1973-1984.	1.7	33
58	ImjectÂ® Alum is not aluminum hydroxide adjuvant or aluminum phosphate adjuvant. Vaccine, 2007, 25, 4985-4986.	1.7	33
59	Immunohistology of Peyer's patches in the dog. Veterinary Immunology and Immunopathology, 1992, 30, 147-160.	0.5	31
60	STAT4 Isoforms Differentially Regulate Th1 Cytokine Production and the Severity of Inflammatory Bowel Disease. Journal of Immunology, 2008, 181, 5062-5070.	0.4	31
61	The Epigenetic Regulator CXXC Finger Protein 1 is Essential for Murine Hematopoiesis. PLoS ONE, 2014, 9, e113745.	1.1	31
62	The Humoral Immune Response toHaemophilus influenzaeType b: a Mathematical Model Based on T-zone and Germinal Center B-cell Dynamics. Journal of Theoretical Biology, 1998, 194, 341-381.	0.8	30
63	Expression of chitinase-like proteins in the skin of chronic proliferative dermatitis (cpdm/cpdm) mice. Experimental Dermatology, 2006, 15, 808-814.	1.4	29
64	Cul4A is required for hematopoietic cell viability and its deficiency leads to apoptosis. Blood, 2008, 112, 320-329.	0.6	29
65	Changes in Keratin and Filaggrin Expression in the Skin of Chronic Proliferative Dermatitis (cpdm) Mutant Mice. Pathobiology, 1999, 67, 45-50.	1.9	28
66	Antiâ€IL5 decreases the number of eosinophils but not the severity of dermatitis in Sharpinâ€deficient mice. Experimental Dermatology, 2010, 19, 252-258.	1.4	28
67	Effect of the strength of adsorption of HIV 1 SF162dV2gp140 to aluminumâ€containing adjuvants on the immune response. Journal of Pharmaceutical Sciences, 2011, 100, 3245-3250.	1.6	28
68	A Nanoparticle-Poly(I:C) Combination Adjuvant Enhances the Breadth of the Immune Response to Inactivated Influenza Virus Vaccine in Pigs. Vaccines, 2020, 8, 229.	2.1	27
69	Maintenance of Donor Phenotype After Full-Thickness Skin Transplantation from Mice with Chronic Proliferative Dermatitis (cpdm/cpdm) to C57BL/Ka and Nude Mice and Vice Versa. Journal of Investigative Dermatology, 1995, 105, 769-773.	0.3	26
70	Therapeutic interventions in mice with chronic proliferative dermatitis (cpdm/cpdm). Experimental Dermatology, 2000, 9, 351-358.	1.4	26
71	Immunization of rabbits against a bacterial pathogen with an alginate microparticle vaccine. Journal of Controlled Release, 2002, 85, 227-235.	4.8	26
72	Induction of Antigen-Specific Th1-Type Immune Responses by Gamma-Irradiated Recombinant Brucella abortus RB51. Vaccine Journal, 2005, 12, 1429-1436.	3.2	26

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73	Profiling of epidermal lipids in a mouse model of dermatitis: Identification of potential biomarkers. PLoS ONE, 2018, 13, e0196595.	1.1	26
74	Relationship of adsorption mechanism of antigens by aluminum-containing adjuvants to in vitro elution in interstitial fluid. Vaccine, 2006, 24, 1665-1669.	1.7	25
75	Ultrastructure of Epidermis of Mice with Chronic Proliferative Dermatitis. Ultrastructural Pathology, 1995, 19, 107-111.	0.4	24
76	Lymphocyte populations and adhesion molecule expression in bovine tonsils. Veterinary Immunology and Immunopathology, 2000, 73, 15-29.	0.5	23
77	Effect of vaccination on serum concentrations of total and antigen-specific immunoglobulin E in dogs. American Journal of Veterinary Research, 2002, 63, 611-616.	0.3	23
78	Control of antigen-binding to aluminum adjuvants and the immune response with a novel phosphonate linker. Vaccine, 2013, 31, 4362-4367.	1.7	23
79	Evaluation of innate immunity and vector toxicity following inoculation of bovine, porcine or human adenoviral vectors in a mouse model. Virus Research, 2010, 153, 134-142.	1.1	22
80	Corn-derived alpha-D-glucan nanoparticles as adjuvant for intramuscular and intranasal immunization in pigs. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 16, 226-235.	1.7	22
81	Effects of cellulose derivatives and poly(ethylene oxide)â€“poly(propylene oxide) tri-block copolymers (PluronicÂ®surfactants) on the properties of alginate based microspheres and their interactions with phagocytic cells. Journal of Controlled Release, 2002, 85, 181-189.	4.8	19
82	Vascular Lesions in Pigs Experimentally Infected With Porcine Circovirus Type 2 Serogroup B. Veterinary Pathology, 2010, 47, 140-147.	0.8	19
83	Ultrastructure and alkaline phosphatase activity of the dome epithelium of canine Peyer's patches. Veterinary Immunology and Immunopathology, 1990, 24, 177-186.	0.5	18
84	Extracellular Bartonella henselae and artifactual intraerythrocytic pseudoinclusions in experimentally infected cats. Veterinary Microbiology, 2000, 76, 283-290.	0.8	18
85	Formulation of a killed whole cell pneumococcus vaccine - effect of aluminum adjuvants on the antibody and IL-17 response. Journal of Immune Based Therapies and Vaccines, 2011, 9, 5.	2.4	18
86	Development of a recombinant fusion protein vaccine formulation to protect against Streptococcus pyogenes. Vaccine, 2014, 32, 3810-3815.	1.7	18
87	Neurohypophyseal Astrocytoma (Pituicytoma) in a Rhesus Monkey (Macaca mulatto). Veterinary Pathology, 1992, 29, 359-361.	0.8	17
88	Isolation and phenotypic and functional characterization of cells from Peyer's patches in the dog. Veterinary Immunology and Immunopathology, 1992, 31, 1-10.	0.5	16
89	B-cell function in canine X-linked severe combined immunodeficiency. Veterinary Immunology and Immunopathology, 2000, 75, 121-134.	0.5	16
90	Effect of Ageing on the Immune Response of Dogs to Vaccines. Journal of Comparative Pathology, 2010, 142, S74-S77.	0.1	16

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91	Formulation of aluminum hydroxide adjuvant with TLR agonists poly(I:C) and CpG enhances the magnitude and avidity of the humoral immune response. Vaccine, 2019, 37, 1945-1953.	1.7	16
92	Effective and Safe Stimulation of Humoral and Cell-Mediated Immunity by Intradermal Immunization with a Cyclic Dinucleotide/Nanoparticle Combination Adjuvant. Journal of Immunology, 2021, 206, 700-711.	0.4	16
93	Systemic and pulmonary immune response to intrabronchial administration of ovalbumin in calves. Veterinary Immunology and Immunopathology, 1996, 51, 293-302.	0.5	14
94	Sebaceous Adenocarcinoma of the External Auditory Canal in a New Zealand White Rabbit. Journal of Comparative Pathology, 2002, 127, 301-303.	0.1	14
95	Aluminum-Containing Adjuvants: Properties, Formulation, and Use. , 0, , 81-114.		14
96	Preclinical safety study of a recombinant Streptococcus pyogenes vaccine formulated with aluminum adjuvant. Journal of Applied Toxicology, 2017, 37, 222-230.	1.4	14
97	Loss of Function of the Mouse Sharpin Gene Results in Peyerâ€™s Patch Regression. PLoS ONE, 2013, 8, e55224.	1.1	14
98	Gastrointestinal AAPOAII and systemic AA-amyloidosis in aged C57BL/Ka mice. Vigiliae Christianae, 1993, 64, 37-43.	0.1	13
99	Chronic Proliferative Dermatitis in Mice: Neutrophil-Endothelium Interactions and the Role of Adhesion Molecules. Pathobiology, 1995, 63, 341-347.	1.9	12
100	The pathogenesis of chronic eosinophilic esophagitis in SHARPIN-deficient mice. Experimental and Molecular Pathology, 2015, 99, 460-467.	0.9	12
101	Keratinocyte-specific deletion of SHARPIN induces atopic dermatitis-like inflammation in mice. PLoS ONE, 2020, 15, e0235295.	1.1	12
102	Interleukin-6 activity in dogs with juvenile polyarteritis syndrome: effect of corticosteroids. Clinical Immunology and Immunopathology, 1995, 77, 107-110.	2.1	11
103	Lack of Association between Repeated Vaccination and Thyroiditis in Laboratory Beagles. Journal of Veterinary Internal Medicine, 2006, 20, 818-821.	0.6	11
104	Intranasal Delivery of Inactivated Influenza Virus and Poly(I:C) Adsorbed Corn-Based Nanoparticle Vaccine Elicited Robust Antigen-Specific Cell-Mediated Immune Responses in Maternal Antibody Positive Nursery Pigs. Frontiers in Immunology, 2020, 11, 596964.	2.2	11
105	Angiogenesis in the skin of SHARPIN-deficient mice with chronic proliferative dermatitis. Experimental and Molecular Pathology, 2016, 101, 303-307.	0.9	10
106	Vascular-associated lymphoid tissue in swine (Sus scrofa). Comparative Medicine, 2008, 58, 168-73.	0.4	10
107	Tenfold Increased Incidence of Spontaneous Multiple Myeloma in Long-Term Immunosuppressed Aging C57BL/KaLwRij Mice. Clinical Immunology and Immunopathology, 1996, 79, 155-162.	2.1	9
108	Differences in innate IFNÎ³ and IL-17 responses to Bordetella pertussis between BALB/c and C57BL/6 mice: role of Î³Î´T cells, NK cells, and dendritic cells. Immunologic Research, 2017, 65, 1139-1149.	1.3	9

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109	Selection of a suitable reference gene for quantitative gene expression in mouse lymph nodes after vaccination. BMC Research Notes, 2017, 10, 689.	0.6	9
110	Genetic Variation in the Magnitude and Longevity of the IgG Subclass Response to a Diphtheria-Tetanus-Acellular Pertussis (DTaP) Vaccine in Mice. Vaccines, 2019, 7, 124.	2.1	9
111	Lipidomic Profiling of the Epidermis in a Mouse Model of Dermatitis Reveals Sexual Dimorphism and Changes in Lipid Composition before the Onset of Clinical Disease. Metabolites, 2020, 10, 299.	1.3	9
112	Development of IglC and GroEL recombinant vaccines for francisellosis in Nile tilapia, Oreochromis niloticus. Fish and Shellfish Immunology, 2020, 105, 341-349.	1.6	9
113	Increased expression of chemokines in the skin of chronic proliferative dermatitis mutant mice. Experimental Dermatology, 2005, 14, 906-913.	1.4	8
114	Bile Acid Regulates the Colonization and Dissemination of Candida albicans from the Gastrointestinal Tract by Controlling Host Defense System and Microbiota. Journal of Fungi (Basel, Switzerland), 2021, 7, 1030.	1.5	8
115	Development and functional characterization of T cell lines from canine Peyer's patches. Veterinary Immunology and Immunopathology, 1989, 23, 29-39.	0.5	7
116	Systematic method for determining intravenous drug treatment strategies aiding the humoral immune response. IEEE Transactions on Biomedical Engineering, 1998, 45, 429-439.	2.5	7
117	Genes upregulated in a metastasizing human colon carcinoma cell line. International Journal of Cancer, 2005, 113, 699-705.	2.3	7
118	Developing a comprehensive mouse pathology program. Comparative Medicine, 2004, 54, 617-21.	0.4	7
119	Genome-Wide Association Mapping of the Antibody Response to Diphtheria-Tetanus-acellular Pertussis Vaccine in Mice. Journal of Infectious Diseases, 2016, 215, jiw587.	1.9	6
120	The chronic proliferative dermatitis mouse mutation (cpdm): mapping of the mutant gene locus. Journal of Experimental Animal Science, 2000, 41, 101-108.	0.5	5
121	A NUP98-HOXD13 leukemic fusion gene leads to impaired class switch recombination and antibody production. Experimental Hematology, 2012, 40, 622-633.	0.2	5
122	Dermal lymphatic dilation in a mouse model of alopecia areata. Experimental and Molecular Pathology, 2016, 100, 332-336.	0.9	5
123	Local and Systemic Changes in Lipid Profile as Potential Biomarkers for Canine Atopic Dermatitis. Metabolites, 2021, 11, 670.	1.3	5
124	Lack of Association between Repeated Vaccination and Thyroiditis in Laboratory Beagles. Journal of Veterinary Internal Medicine, 2006, 20, 818.	0.6	5
125	Glycosylphosphatidyl inositol-linked membrane protein expression by intestinal intraepithelial lymphocytes. International Immunology, 1992, 4, 899-903.	1.8	4
126	Constitutive expression of LY-6.A2 on murine keratinocytes and inducible expression on TCRÎ³Î´+ dendritic epidermal T cells. Journal of Dermatological Science, 1993, 5, 114-121.	1.0	4

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127	Training Mouse Pathologists: Ten Years of Workshops on the Pathology of Mouse Models of Human Disease. Toxicologic Pathology, 2012, 40, 823-825.	0.9	4
128	Bile Acid Regulates Mononuclear Phagocytes and T Helper 17 Cells to Control Candida albicans in the Intestine. Journal of Fungi (Basel, Switzerland), 2022, 8, 610.	1.5	4
129	Loss of FAS/FASL signalling does not reduce apoptosis in Sharpin null mice. Experimental Dermatology, 2017, 26, 820-822.	1.4	3
130	Training mouse pathologists: 15 years of workshops on the pathology of mouse models of human disease. Lab Animal, 2017, 46, 204-206.	0.2	3
131	Self-reinforcing nanoscalar polycaprolactone-polyethylene terephthalate electrospun fiber blends. Polymer, 2020, 202, 122573.	1.8	3
132	Training mouse pathologists: 16th annual workshop on the pathology of mouse models of human disease. Lab Animal, 2018, 47, 38-40.	0.2	2
133	Chemokines in Allergic Inflammation: Human Disease and Animal Models. Current Medicinal Chemistry Anti-inflammatory & Anti-allergy Agents, 2004, 3, 351-361.	0.4	2
134	17. Biodistribution, Innate Immune Response and Toxicity Following Intravenous Inoculation of Mice with Nonhuman Adenoviral Vectors. Molecular Therapy, 2006, 13, S7.	3.7	0
135	Cul4A Is Required for Cell Viability and Its Deficiency in Hematopoietic Cells Causes Apoptosis and Is Fatal.. Blood, 2007, 110, 639-639.	0.6	0