

Achim D Gruber

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

2,171
citations

25
h-index

43
g-index

102
ext. papers

3,017
ext. citations

6.7
avg, IF

4.77
L-index

#	Paper	IF	Citations
96	A Therapeutic Non-self-reactive SARS-CoV-2 Antibody Protects from Lung Pathology in a COVID-19 Hamster Model. <i>Cell</i> , 2020 , 183, 1058-1069.e19	56.2	182
95	IFNs Modify the Proteome of Legionella-Containing Vacuoles and Restrict Infection Via IRG1-Derived Itaconic Acid. <i>PLoS Pathogens</i> , 2016 , 12, e1005408	7.6	142
94	Depletion of Cultivable Gut Microbiota by Broad-Spectrum Antibiotic Pretreatment Worsens Outcome After Murine Stroke. <i>Stroke</i> , 2016 , 47, 1354-63	6.7	119
93	The regulatory T-cell response during acute retroviral infection is locally defined and controls the magnitude and duration of the virus-specific cytotoxic T-cell response. <i>Blood</i> , 2009 , 114, 3199-207	2.2	112
92	Age-Dependent Progression of SARS-CoV-2 Infection in Syrian Hamsters. <i>Viruses</i> , 2020 , 12,	6.2	112
91	Recognition of microbial viability via TLR8 drives T cell differentiation and vaccine responses. <i>Nature Immunology</i> , 2018 , 19, 386-396	19.1	93
90	Correction for Knepper et al., The Novel Human Influenza A(H7N9) Virus Is Naturally Adapted to Efficient Growth in Human Lung Tissue. <i>MBio</i> , 2014 , 5,	7.8	78
89	Transient ablation of regulatory T cells improves antitumor immunity in colitis-associated colon cancer. <i>Cancer Research</i> , 2014 , 74, 4258-69	10.1	68
88	Overview about the localization of nanoparticles in tissue and cellular context by different imaging techniques. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 263-80	3	65
87	Reference genes for quantitative gene expression studies in multiple avian species. <i>PLoS ONE</i> , 2014 , 9, e99678	3.7	65
86	Endotoxicity of lipopolysaccharide as a determinant of T-cell-mediated colitis induction in mice. <i>Gastroenterology</i> , 2014 , 146, 765-75	13.3	51
85	Haemoproteus minutus is highly virulent for Australasian and South American parrots. <i>Parasites and Vectors</i> , 2019 , 12, 40	4	41
84	Skin barrier disruptions in tape stripped and allergic dermatitis models have no effect on dermal penetration and systemic distribution of AHAPS-functionalized silica nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1571-81	6	41
83	TSLP is a direct trigger for T cell migration in filaggrin-deficient skin equivalents. <i>Scientific Reports</i> , 2017 , 7, 774	4.9	40
82	The Roborovski Dwarf Hamster Is A Highly Susceptible Model for a Rapid and Fatal Course of SARS-CoV-2 Infection. <i>Cell Reports</i> , 2020 , 33, 108488	10.6	40
81	Virus-induced senescence is a driver and therapeutic target in COVID-19. <i>Nature</i> , 2021 , 599, 283-289	50.4	38
80	Calcium-activated Chloride Channel Regulator 1 (CLCA1) Controls Mucus Expansion in Colon by Proteolytic Activity. <i>EBioMedicine</i> , 2018 , 33, 134-143	8.8	37

79	Streptococcus pneumoniae-induced regulation of cyclooxygenase-2 in human lung tissue. <i>European Respiratory Journal</i> , 2012 , 40, 1458-67	13.6	34
78	Influenza A Virus Infection Predisposes Hosts to Secondary Infection with Different Streptococcus pneumoniae Serotypes with Similar Outcome but Serotype-Specific Manifestation. <i>Infection and Immunity</i> , 2016 , 84, 3445-3457	3.7	33
77	Prospectively defined murine mesenchymal stem cells inhibit Klebsiella pneumoniae-induced acute lung injury and improve pneumonia survival. <i>Respiratory Research</i> , 2015 , 16, 123	7.3	32
76	Standardization of Reporting Criteria for Lung Pathology in SARS-CoV-2-infected Hamsters: What Matters?. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 856-859	5.7	32
75	Endothelial depletion of murine SRF/MRTF provokes intracerebral hemorrhagic stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 9914-9	11.5	30
74	SARS-CoV-2 infection of Chinese hamsters (<i>Cricetulus griseus</i>) reproduces COVID-19 pneumonia in a well-established small animal model. <i>Transboundary and Emerging Diseases</i> , 2021 , 68, 1075-1079	4.2	30
73	Spectrum of pathogen- and model-specific histopathologies in mouse models of acute pneumonia. <i>PLoS ONE</i> , 2017 , 12, e0188251	3.7	29
72	Increasing the inspiratory time and I:E ratio during mechanical ventilation aggravates ventilator-induced lung injury in mice. <i>Critical Care</i> , 2015 , 19, 23	10.8	25
71	Tyk2 as a target for immune regulation in human viral/bacterial pneumonia. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	24
70	Sarcocystis calchasi has an expanded host range and induces neurological disease in cockatiels (<i>Nymphicus hollandicus</i>) and North American rock pigeons (<i>Columbia livia</i> f. dom.). <i>Veterinary Parasitology</i> , 2014 , 200, 59-65	2.8	24
69	mCLCA3 modulates IL-17 and CXCL-1 induction and leukocyte recruitment in murine Staphylococcus aureus pneumonia. <i>PLoS ONE</i> , 2014 , 9, e102606	3.7	24
68	Pulmonary immunostimulation with MALP-2 in influenza virus-infected mice increases survival after pneumococcal superinfection. <i>Infection and Immunity</i> , 2015 , 83, 4617-29	3.7	22
67	Stratum corneum targeting by dendritic core-multishell-nanocarriers in a mouse model of psoriasis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 317-327	6	20
66	Role of the C-type lectin receptors MCL and DCIR in experimental colitis. <i>PLoS ONE</i> , 2014 , 9, e103281	3.7	20
65	Accipiter hawks (Accipitridae) confirmed as definitive hosts of Sarcocystis turdusi, Sarcocystis cornixi and Sarcocystis sp. ex Phalacrocorax carbo. <i>Parasitology Research</i> , 2016 , 115, 3041-7	2.4	19
64	Dendritic Core-Multishell Nanocarriers in Murine Models of Healthy and Atopic Skin. <i>Nanoscale Research Letters</i> , 2017 , 12, 64	5	18
63	Validation of Digital Microscopy Compared With Light Microscopy for the Diagnosis of Canine Cutaneous Tumors. <i>Veterinary Pathology</i> , 2018 , 55, 490-500	2.8	17
62	IL-37 Causes Excessive Inflammation and Tissue Damage in Murine Pneumococcal Pneumonia. <i>Journal of Innate Immunity</i> , 2017 , 9, 403-418	6.9	16

61	Vasculotide reduces pulmonary hyperpermeability in experimental pneumococcal pneumonia. <i>Critical Care</i> , 2017 , 21, 274	10.8	16
60	Malignancy Associated MicroRNA Expression Changes in Canine Mammary Cancer of Different Malignancies. <i>ISRN Veterinary Science</i> , 2014 , 2014, 148597		16
59	Noncoding RNA is an integral component of the TLR4-TRIF pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 9042-9053	11.5	15
58	Visualizing Oxidative Cellular Stress Induced by Nanoparticles in the Subcytotoxic Range Using Fluorescence Lifetime Imaging. <i>Small</i> , 2018 , 14, e1800310	11	15
57	A SARS-CoV-2 neutralizing antibody protects from lung pathology in a COVID-19 hamster model 2020 ,		15
56	The Goblet Cell Protein Clca1 (Alias mClca3 or Gob-5) Is Not Required for Intestinal Mucus Synthesis, Structure and Barrier Function in Naive or DSS-Challenged Mice. <i>PLoS ONE</i> , 2015 , 10, e0131993 ^{3,7}		14
55	Localization and pneumococcal alteration of junction proteins in the human alveolar-capillary compartment. <i>Histochemistry and Cell Biology</i> , 2017 , 147, 707-719	2.4	13
54	Development of safe and highly protective live-attenuated SARS-CoV-2 vaccine candidates by genome recoding. <i>Cell Reports</i> , 2021 , 36, 109493	10.6	13
53	Murine CLCA5 is uniquely expressed in distinct niches of airway epithelial cells. <i>Histochemistry and Cell Biology</i> , 2015 , 143, 277-87	2.4	12
52	Age-dependent progression of SARS-CoV-2 infection in Syrian hamsters		12
51	Ventilator-induced lung injury is aggravated by antibiotic mediated microbiota depletion in mice. <i>Critical Care</i> , 2018 , 22, 282	10.8	12
50	Temperature and environment dependent dynamic properties of a dendritic polyglycerol sulfate. <i>Polymers for Advanced Technologies</i> , 2014 , 25, 1329-1336	3.2	11
49	AHAPS-functionalized silica nanoparticles do not modulate allergic contact dermatitis in mice. <i>Nanoscale Research Letters</i> , 2014 , 9, 524	5	11
48	Penetration of topically applied nanocarriers into the hair follicles of dog and rat dorsal skin and porcine ear skin. <i>Veterinary Dermatology</i> , 2016 , 27, 256-e60	1.8	11
47	Aging and Senescence in Canine Testes. <i>Veterinary Pathology</i> , 2019 , 56, 715-724	2.8	10
46	Peptidoglycan Recognition Protein 4 Limits Bacterial Clearance and Inflammation in Lungs by Control of the Gut Microbiota. <i>Frontiers in Immunology</i> , 2019 , 10, 2106	8.4	10
45	Delay in antibiotic therapy results in fatal disease outcome in murine pneumococcal pneumonia. <i>Critical Care</i> , 2018 , 22, 287	10.8	10
44	Targeted antigen delivery to dendritic cells elicits robust antiviral T cell-mediated immunity in the liver. <i>Scientific Reports</i> , 2017 , 7, 43985	4.9	9

43	ATP13A2 missense variant in Australian Cattle Dogs with late onset neuronal ceroid lipofuscinosis. <i>Molecular Genetics and Metabolism</i> , 2019 , 127, 95-106	3.7	9
42	Cyclophilin inhibitors restrict Middle East respiratory syndrome coronavirus interferon- β in mice. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	9
41	<i>Bordetella pseudohinzii</i> targets cilia and impairs tracheal cilia-driven transport in naturally acquired infection in mice. <i>Scientific Reports</i> , 2018 , 8, 5681	4.9	9
40	Hamster models of COVID-19 pneumonia reviewed: How human can they be?. <i>Veterinary Pathology</i> , 2021 , 3009858211057197	2.8	9
39	Role of Pneumococcal Autolysin for KLF4 Expression and Chemokine Secretion in Lung Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 53, 544-54	5.7	8
38	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. <i>Critical Care Medicine</i> , 2018 , 46, e258-e267	1.4	8
37	Interspecies diversity of chloride channel regulators, calcium-activated 3 genes. <i>PLoS ONE</i> , 2018 , 13, e0191512	3.7	8
36	Temporal omics analysis in Syrian hamsters unravel cellular effector responses to moderate COVID-19. <i>Nature Communications</i> , 2021 , 12, 4869	17.4	8
35	Crosstalk between core-multishell nanocarriers for cutaneous drug delivery and antigen-presenting cells of the skin. <i>Biomaterials</i> , 2018 , 162, 60-70	15.6	7
34	Digital Image Analyses on Whole-Lung Slides in Mouse Models of Acute Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018 , 58, 440-448	5.7	7
33	Soluble CD200 Correlates With Interleukin-6 Levels in Sera of COPD Patients: Potential Implication of the CD200/CD200R Axis in the Disease Course. <i>Lung</i> , 2017 , 195, 59-68	2.9	7
32	Localized thermal tumor destruction using dye-enhanced photothermal tumor therapy. <i>Lasers in Surgery and Medicine</i> , 2015 , 47, 452-61	3.6	7
31	How Effective Is Tacrolimus in the Imiquimod-Induced Mouse Model of Psoriasis?. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 455-458	4.3	6
30	Naturally Occurring Deletion Mutants of the Pig-Specific, Intestinal Crypt Epithelial Cell Protein CLCA4b without Apparent Phenotype. <i>PLoS ONE</i> , 2015 , 10, e0140050	3.7	6
29	Live attenuated virus vaccine protects against SARS-CoV-2 variants of concern B.1.1.7 (Alpha) and B.1.351 (Beta). <i>Science Advances</i> , 2021 , 7, eabk0172	14.3	6
28	Combination immunotherapy with anti-PD-L1 antibody and depletion of regulatory T cells during acute viral infections results in improved virus control but lethal immunopathology. <i>PLoS Pathogens</i> , 2020 , 16, e1008340	7.6	6
27	Prevalence of <i>Sarcocystis calchasi</i> in free-ranging host species: Accipiter hawks and Common Woodpigeon in Germany. <i>Scientific Reports</i> , 2018 , 8, 17610	4.9	6
26	Biodistribution, cellular localization, and in vivo tolerability of 35S-labeled antiinflammatory dendritic polyglycerol sulfate amine. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	5

25	Soluble mucus component CLCA1 modulates expression of leukotactic cytokines and BPIFA1 in murine alveolar macrophages but not in bone marrow-derived macrophages. <i>Histochemistry and Cell Biology</i> , 2018 , 149, 619-633	2.4	5
24	Role of goblet cell protein CLCA1 in murine DSS colitis. <i>Journal of Inflammation</i> , 2016 , 13, 5	6.7	5
23	ADAR1 Is Required for Dendritic Cell Subset Homeostasis and Alveolar Macrophage Function. <i>Journal of Immunology</i> , 2019 , 202, 1099-1111	5.3	5
22	Peptidoglycan Recognition Protein 3 Does Not Alter the Outcome of Pneumococcal Pneumonia in Mice. <i>Frontiers in Microbiology</i> , 2018 , 9, 103	5.7	4
21	Plasmacytoid dendritic cell depletion modifies FoxP3+ T cell homeostasis and the clinical course of bacterial pneumonia in mice. <i>Journal of Leukocyte Biology</i> , 2019 , 106, 977-985	6.5	4
20	Multispecific DARPIn \square therapeutics demonstrate very high potency against SARS-CoV-2 variants in vitro		4
19	Cutaneous form of maculopapular mastocytosis in a foal. <i>Veterinary Dermatology</i> , 2016 , 27, 202-e51	1.8	3
18	High prevalence of Sarcocystis calchasi in racing pigeon flocks in Germany. <i>PLoS ONE</i> , 2019 , 14, e0215243	3.7	2
17	A Sars-Cov-2 Neutralizing Antibody Protects from Lung Pathology in a Covid-19 Hamster Model. <i>SSRN Electronic Journal</i> ,	1	2
16	Hypernatremia in a Cat with Toxoplasma-Induced Panencephalitis. <i>Journal of the American Animal Hospital Association</i> , 2016 , 52, 63-7	1.3	2
15	Deciphering the Role of Humoral and Cellular Immune Responses in Different COVID-19 Vaccines-A Comparison of Vaccine Candidate Genes in Roborovski Dwarf Hamsters. <i>Viruses</i> , 2021 , 13,	6.2	1
14	Visualizing patterns of intervertebral disc damage with dual-energy computed tomography: assessment of diagnostic accuracy in an ex vivo spine biophantom. <i>Acta Radiologica</i> , 2021 , 2841851211025863 ¹		
13	Krueppel-Like Factor 4 Expression in Phagocytes Regulates Early Inflammatory Response and Disease Severity in Pneumococcal Pneumonia. <i>Frontiers in Immunology</i> , 2021 , 12, 726135	8.4	1
12	The FDA-Approved Drug Cobicistat Synergizes with Remdesivir To Inhibit SARS-CoV-2 Replication and Decreases Viral Titers and Disease Progression in Syrian Hamsters.. <i>MBio</i> , 2022 , e0370521	7.8	1
11	Evolutionarily conserved properties of CLCA proteins 1, 3 and 4, as revealed by phylogenetic and biochemical studies in avian homologues.. <i>PLoS ONE</i> , 2022 , 17, e0266937	3.7	1
10	Equine Idiopathic Hemorrhagic Cystitis: Is It Idiopathic or More Likely to Be Exercise-Associated?. <i>Journal of Equine Veterinary Science</i> , 2019 , 78, 6-9	1.2	0
9	Oxidative Stress Imaging: Visualizing Oxidative Cellular Stress Induced by Nanoparticles in the Subcytotoxic Range Using Fluorescence Lifetime Imaging (Small 23/2018). <i>Small</i> , 2018 , 14, 1870106	11	0
8	Pulmonary fibrosis in Fra-2 transgenic mice is associated with decreased numbers of alveolar macrophages and increased susceptibility to pneumococcal pneumonia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 320, L916-L925	5.8	0

7	Subcutaneous seeding following surgical excision of an intracranial meningioma in a cat. <i>Tierärztliche Praxis Ausgabe K: Kleintiere - Heimtiere</i> , 2021 , 49, 60-66	0.6	o
6	COVID-19: a fatal case of acute liver failure associated with SARS-CoV-2 infection in pre-existing liver cirrhosis. <i>BMC Infectious Diseases</i> , 2021 , 21, 901	4	o
5	Identification of Antimotilins, Novel Inhibitors of Helicobacter pylori Flagellar Motility That Inhibit Stomach Colonization in a Mouse Model.. <i>MBio</i> , 2022 , e0375521	7.8	o
4	Microsatellites within the feline androgen receptor are suitable for X chromosome-linked clonality testing in archival material. <i>Journal of Feline Medicine and Surgery</i> , 2017 , 19, 454-460	2.3	
3	No evidence of Sarcocystis calchasi involvement in mammalian meningoencephalitis of unknown origin. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2016 , 3-4, 49-52	1.2	
2	Protein expression and distribution of murine calcium-activated chloride channels 1 and 2 (mCLCA1/2) in epithelia of the gastrointestinal (GI) tract and kidney (Ki). <i>FASEB Journal</i> , 2008 , 22, 938.7	0.9	
1	Dependence of the Ki67 Labelling Index of Selected Canine Tumours on Patient Age, Sex and Tumour Size.. <i>Journal of Comparative Pathology</i> , 2022 , 193, 1-8	1	