

# Ingo Gerhauser

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6211263/publications.pdf>

Version: 2024-02-01

85  
papers

2,838  
citations

186265

28  
h-index

197818

49  
g-index

92  
all docs

92  
docs citations

92  
times ranked

4731  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct and Nonredundant In Vivo Functions of IFNAR on Myeloid Cells Limit Autoimmunity in the Central Nervous System. <i>Immunity</i> , 2008, 28, 675-686.	14.3	352
2	Type I Interferons Protect T Cells against NK Cell Attack Mediated by the Activating Receptor NCR1. <i>Immunity</i> , 2014, 40, 961-973.	14.3	199
3	Long-Term Neuroinflammation Induced by Influenza A Virus Infection and the Impact on Hippocampal Neuron Morphology and Function. <i>Journal of Neuroscience</i> , 2018, 38, 3060-3080.	3.6	143
4	Microbiota-Induced Type I Interferons Instruct a Poised Basal State of Dendritic Cells. <i>Cell</i> , 2020, 181, 1080-1096.e19.	28.9	139
5	MMP-12, MMP-3, and TIMP-1 Are Markedly Upregulated in Chronic Demyelinating Theiler Murine Encephalomyelitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 783-793.	1.7	81
6	Abortively Infected Astrocytes Appear To Represent the Main Source of Interferon Beta in the Virus-Infected Brain. <i>Journal of Virology</i> , 2016, 90, 2031-2038.	3.4	77
7	Microglia have a protective role in viral encephalitis-induced seizure development and hippocampal damage. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 186-204.	4.1	77
8	Type I Interferon Signaling Disrupts the Hepatic Urea Cycle and Alters Systemic Metabolism to Suppress T Cell Function. <i>Immunity</i> , 2019, 51, 1074-1087.e9.	14.3	72
9	Matrix Metalloproteinases and Their Inhibitors in the Developing Mouse Brain and Spinal Cord: A Reverse Transcription Quantitative Polymerase Chain Reaction Study. <i>Developmental Neuroscience</i> , 2005, 27, 408-418.	2.0	70
10	Organoid modeling of Zika and herpes simplex virus 1 infections reveals virus-specific responses leading to microcephaly. <i>Cell Stem Cell</i> , 2021, 28, 1362-1379.e7.	11.1	67
11	Upon Intranasal Vesicular Stomatitis Virus Infection, Astrocytes in the Olfactory Bulb Are Important Interferon Beta Producers That Protect from Lethal Encephalitis. <i>Journal of Virology</i> , 2015, 89, 2731-2738.	3.4	64
12	Infection-induced type I interferons activate CD11b on B-1 cells for subsequent lymph node accumulation. <i>Nature Communications</i> , 2015, 6, 8991.	12.8	60
13	Brain inflammation, neurodegeneration and seizure development following picornavirus infection markedly differ among virus and mouse strains and substrains. <i>Experimental Neurology</i> , 2016, 279, 57-74.	4.1	57
14	Deletion of <i>Irf3</i> and <i>Irf7</i> Genes in Mice Results in Altered Interferon Pathway Activation and Granulocyte-Dominated Inflammatory Responses to Influenza A Infection. <i>Journal of Innate Immunity</i> , 2017, 9, 145-161.	3.8	54
15	Facets of Theiler's Murine Encephalomyelitis Virus-Induced Diseases: An Update. <i>International Journal of Molecular Sciences</i> , 2019, 20, 448.	4.1	52
16	Chemokine receptors CCR2 and CX3CR1 regulate viral encephalitis-induced hippocampal damage but not seizures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8929-E8938.	7.1	47
17	Independent of Plasmacytoid Dendritic Cell (pDC) infection, pDC Triggered by Virus-Infected Cells Mount Enhanced Type I IFN Responses of Different Composition as Opposed to pDC Stimulated with Free Virus. <i>Journal of Immunology</i> , 2014, 193, 2496-2503.	0.8	46
18	Macrophage depletion by liposome-encapsulated clodronate suppresses seizures but not hippocampal damage after acute viral encephalitis. <i>Neurobiology of Disease</i> , 2018, 110, 192-205.	4.4	44

#	ARTICLE	IF	CITATIONS
19	Type I Interferon Receptor Signaling in Astrocytes Regulates Hippocampal Synaptic Plasticity and Cognitive Function of the Healthy CNS. <i>Cell Reports</i> , 2020, 31, 107666.	6.4	43
20	Endogenous, or therapeutically induced, type I interferon responses differentially modulate Th1/Th17-mediated autoimmunity in the CNS. <i>Immunology and Cell Biology</i> , 2012, 90, 505-509.	2.3	42
21	Growing tumors induce a local STING dependent Type I IFN response in dendritic cells. <i>International Journal of Cancer</i> , 2016, 139, 1350-1357.	5.1	41
22	A circular RNA derived from the insulin receptor locus protects against doxorubicin-induced cardiotoxicity. <i>European Heart Journal</i> , 2022, 43, 4496-4511.	2.2	41
23	Type I interferons in the pathogenesis and treatment of canine diseases. <i>Veterinary Immunology and Immunopathology</i> , 2017, 191, 80-93.	1.2	36
24	Mechanism of drug extrusion by brain endothelial cells via lysosomal drug trapping and disposal by neutrophils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9590-E9599.	7.1	35
25	Morbillivirus Control of the Interferon Response: Relevance of STAT2 and mda5 but Not STAT1 for Canine Distemper Virus Virulence in Ferrets. <i>Journal of Virology</i> , 2014, 88, 2941-2950.	3.4	34
26	Canine dorsal root ganglia satellite glial cells represent an exceptional cell population with astrocytic and oligodendrocytic properties. <i>Scientific Reports</i> , 2017, 7, 13915.	3.3	34
27	Ets-1 represents a pivotal transcription factor for viral clearance, inflammation, and demyelination in a mouse model of multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2007, 188, 86-94.	2.3	33
28	Preferential uptake of chitosan-coated PLGA nanoparticles by primary human antigen presenting cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 21, 102073.	3.3	33
29	Beneficial and detrimental functions of microglia during viral encephalitis. <i>Trends in Neurosciences</i> , 2022, 45, 158-170.	8.6	33
30	A combination of NMDA and AMPA receptor antagonists retards granule cell dispersion and epileptogenesis in a model of acquired epilepsy. <i>Scientific Reports</i> , 2017, 7, 12191.	3.3	30
31	Periventricular Demyelination and Axonal Pathology Is Associated with Subependymal Virus Spread in a Murine Model for Multiple Sclerosis. <i>Intervirology</i> , 2012, 55, 401-416.	2.8	28
32	Poly(I:C)-Encapsulating Nanoparticles Enhance Innate Immune Responses to the Tuberculosis Vaccine Bacille Calmette-Guérin (BCG) via Synergistic Activation of Innate Immune Receptors. <i>Molecular Pharmaceutics</i> , 2017, 14, 4098-4112.	4.6	28
33	Interleukin-10 expression during the acute phase is a putative prerequisite for delayed viral elimination in a murine model for multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2012, 249, 27-39.	2.3	26
34	Concomitant TLR/RLH Signaling of Radioresistant and Radiosensitive Cells Is Essential for Protection against Vesicular Stomatitis Virus Infection. <i>Journal of Immunology</i> , 2014, 193, 3045-3054.	0.8	26
35	Tmprss2 knock-out mice are resistant to H1N1 influenza A virus pathogenesis. <i>Journal of General Virology</i> , 2019, 100, 1073-1078.	2.9	26
36	Spatio-temporal expression of immediate early genes in the central nervous system of SJL/J mice. <i>International Journal of Developmental Neuroscience</i> , 2005, 23, 637-649.	1.6	25

#	ARTICLE	IF	CITATIONS
37	Induction of Activator Protein-1 and Nuclear Factor- $\kappa$ B as a Prerequisite for Disease Development in Susceptible SJL/J Mice After Theiler Murine Encephalomyelitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 809-818.	1.7	25
38	M27 Expressed by Cytomegalovirus Counteracts Effective Type I Interferon Induction of Myeloid Cells but Not of Plasmacytoid Dendritic Cells. <i>Journal of Virology</i> , 2014, 88, 13638-13650.	3.4	24
39	Viral mouse models of multiple sclerosis and epilepsy: Marked differences in neuropathogenesis following infection with two naturally occurring variants of Theiler's virus BeAn strain. <i>Neurobiology of Disease</i> , 2017, 99, 121-132.	4.4	24
40	Male offspring born to mildly ZIKV-infected mice are at risk of developing neurocognitive disorders in adulthood. <i>Nature Microbiology</i> , 2018, 3, 1161-1174.	13.3	24
41	Proof-of-concept that network pharmacology is effective to modify development of acquired temporal lobe epilepsy. <i>Neurobiology of Disease</i> , 2020, 134, 104664.	4.4	24
42	Ferrets are valuable models for SARS-CoV-2 research. <i>Veterinary Pathology</i> , 2022, 59, 661-672.	1.7	24
43	Theiler's murine encephalomyelitis virus induced phenotype switch of microglia in vitro. <i>Journal of Neuroimmunology</i> , 2012, 252, 49-55.	2.3	23
44	Interferon-beta expression and type I interferon receptor signaling of hepatocytes prevent hepatic necrosis and virus dissemination in Coxsackievirus B3-infected mice. <i>PLoS Pathogens</i> , 2018, 14, e1007235.	4.7	22
45	<i>In vitro</i> characterization and preferential infection by canine distemper virus of glial precursors with Schwann cell characteristics from adult canine brain. <i>Neuropathology and Applied Neurobiology</i> , 2008, 34, 621-637.	3.2	21
46	Interferon-stimulated genes—essential antiviral effectors implicated in resistance to Theiler's virus-induced demyelinating disease. <i>Journal of Neuroinflammation</i> , 2015, 12, 242.	7.2	17
47	Two New Cases of Polysomy 13 in Canine Prostate Cancer. <i>Cytogenetic and Genome Research</i> , 2011, 132, 16-21.	1.1	16
48	Limited role of regulatory T cells during acute Theiler virus-induced encephalitis in resistant C57BL/6 mice. <i>Journal of Neuroinflammation</i> , 2014, 11, 180.	7.2	16
49	Type I interferon induced by TLR2-TLR4-MyD88-TRIF-IRF3 controls Mycobacterium abscessus subsp. abscessus persistence in murine macrophages via nitric oxide. <i>International Journal of Medical Microbiology</i> , 2019, 309, 307-318.	3.6	16
50	Patient iPSC-Derived Macrophages to Study Inborn Errors of the IFN- $\beta$ Responsive Pathway. <i>Cells</i> , 2020, 9, 483.	4.1	16
51	Culturing adult canine sensory neurons to optimise neural repair. <i>Veterinary Record</i> , 2012, 170, 102-102.	0.3	14
52	Interferon-Stimulated Genes—Mediators of the Innate Immune Response during Canine Distemper Virus Infection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1620.	4.1	13
53	Current Insights Into the Pathology of Canine Intervertebral Disc Extrusion-Induced Spinal Cord Injury. <i>Frontiers in Veterinary Science</i> , 2020, 7, 595796.	2.2	13
54	H2 influenza A virus is not pathogenic in Tmprss2 knock-out mice. <i>Virology Journal</i> , 2020, 17, 56.	3.4	13

#	ARTICLE	IF	CITATIONS
55	Dynamic changes and molecular analysis of cell death in the spinal cord of SJL mice infected with the BeAn strain of Theiler's murine encephalomyelitis virus. Apoptosis: an International Journal on Programmed Cell Death, 2018, 23, 170-186.	4.9	12
56	Exchange of amino acids in the H1-haemagglutinin to H3 residues is required for efficient influenza A virus replication and pathology in Tmprss2 knock-out mice. Journal of General Virology, 2018, 99, 1187-1198.	2.9	12
57	Single-cell transcriptional profiling of splenic fibroblasts reveals subset-specific innate immune signatures in homeostasis and during viral infection. Communications Biology, 2021, 4, 1355.	4.4	12
58	Lack of Schmallenberg Virus in Ruminant Brain Tissues Archived from 1961 to 2010 in Germany. Journal of Comparative Pathology, 2014, 150, 151-154.	0.4	11
59	Perosomus elumbis, cerebral aplasia, and spina bifida in an aborted Thoroughbred foal. Research in Veterinary Science, 2012, 92, 266-268.	1.9	10
60	Spontaneous listeriosis in grey mouse lemurs (Microcebus murinus), but not in Goodman's mouse lemurs (Microcebus lehilahytsara) of the same colony. Veterinary Microbiology, 2017, 208, 94-96.	1.9	10
61	Inhibition of caspase-1 prolongs survival of mice infected with rabies virus. Vaccine, 2019, 37, 4681-4685.	3.8	10
62	Axonopathy and Reduction of Membrane Resistance: Key Features in a New Murine Model of Human GM1-Gangliosidosis. Journal of Clinical Medicine, 2020, 9, 1004.	2.4	10
63	Fucosylated lipid nanocarriers loaded with antibiotics efficiently inhibit mycobacterial propagation in human myeloid cells. Journal of Controlled Release, 2021, 334, 201-212.	9.9	10
64	Toll-like Receptors in Viral Encephalitis. Viruses, 2021, 13, 2065.	3.3	10
65	Neurotrophic effects of GM1 ganglioside, NGF, and FGF2 on canine dorsal root ganglia neurons in vitro. Scientific Reports, 2020, 10, 5380.	3.3	9
66	Multiple cyst formation in the liver and kidneys of a lion (Panthera leo): a case of polycystic kidney disease?. European Journal of Wildlife Research, 2009, 55, 433-437.	1.4	8
67	Skeletal Muscle Hypoplasia Represents the Only Significant Lesion in Peripheral Organs of Ruminants Infected with Schmallenberg Virus during Gestation. Journal of Comparative Pathology, 2014, 151, 148-152.	0.4	8
68	cGAMP Quantification in Virus-Infected Human Monocyte-Derived Cells by HPLC-Coupled Tandem Mass Spectrometry. Methods in Molecular Biology, 2017, 1656, 153-166.	0.9	7
69	Combination drug treatment prolongs survival of experimentally infected mice with silver-haired bat rabies virus. Vaccine, 2019, 37, 4736-4742.	3.8	7
70	Equine odontogenic tumors: Clinical presentation, CT findings, and outcome in 11 horses. Veterinary Radiology and Ultrasound, 2019, 60, 502-512.	0.9	7
71	A Case of Interface Perianal Dermatitis in a Dog: Is This an Unusual Manifestation of Lupus Erythematosus?. Veterinary Pathology, 2006, 43, 761-764.	1.7	6
72	Immunolabelling of non-phosphorylated neurofilament indicates damage of spinal cord axons in TSE-infected goats. Veterinary Record, 2016, 178, 141-141.	0.3	6

#	ARTICLE	IF	CITATIONS
73	Generation and characterization of highly purified canine Schwann cells from spinal nerve dorsal roots as potential new candidates for transplantation strategies. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, e422-e437.	2.7	6
74	IFN- $\gamma$ Deficiency Results in Fatal or Demyelinating Disease in C57BL/6 Mice Infected With Theiler's Murine Encephalomyelitis Viruses. <i>Frontiers in Immunology</i> , 2022, 13, 786940.	4.8	6
75	Occurrence and Molecular Typing of <i>Giardia psittaci</i> in Parakeets in Germany—A Case Study. <i>Avian Diseases</i> , 2020, 64, 228.	1.0	5
76	Vacuolation and mineralisation as dominant age-related findings in hamster brains. <i>Experimental and Toxicologic Pathology</i> , 2013, 65, 375-381.	2.1	4
77	Reply to: "Lack of Kupffer cell depletion in diethylnitrosamine-induced hepatic inflammation". <i>Journal of Hepatology</i> , 2019, 70, 815-816.	3.7	4
78	Lack of detectable diffuse or neuritic plaques and neurofibrillary tangles in the brains of aged hamsters. <i>Neurobiology of Aging</i> , 2012, 33, 1716-1719.	3.1	2
79	RNA-Based Adjuvants: Immunoenhancing Effect on Antiviral Vaccines and Regulatory Considerations. <i>Critical Reviews in Immunology</i> , 2019, 39, 1-14.	0.5	2
80	Reply to: "Unveiling the depletion of Kupffer cells in experimental hepatocarcinogenesis through liver macrophage subtype-specific markers". <i>Journal of Hepatology</i> , 2019, 71, 633-635.	3.7	1
81	Unusual type of reactive astrocytes in the feline central nervous system. <i>DTW Deutsche TierÄrztliche Wochenschrift</i> , 2007, 114, 124-8.	0.2	1
82	Comparison of inflammatory responses and apoptosis in the brain of theiler's murine encephalomyelitis virus-infected Sjl/J and C57bl/6 mice. <i>Journal of Comparative Pathology</i> , 2009, 141, 276.	0.4	0
83	Spontaneously Arising Lesions in the Central Nervous System of Ageing Syrian Hamsters. <i>Journal of Comparative Pathology</i> , 2010, 143, 332.	0.4	0
84	Interferon-stimulated genes: mediators of the innate immune response during canine distemper virus infection. <i>Journal of Comparative Pathology</i> , 2019, 166, 108.	0.4	0
85	Canine distemper virus.. , 2013, , 52-64.		0