

# Maren von K&Auml;ckritz-Blickwede

## List of Publications by Year in descending order

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99  
papers

4,718  
citations

126907

33  
h-index

106344

65  
g-index

100  
all docs

100  
docs citations

100  
times ranked

6434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired Degradation of Neutrophil Extracellular Traps: A Possible Severity Factor of Elderly Male COVID-19 Patients. <i>Journal of Innate Immunity</i> , 2022, 14, 461-476.	3.8	7
2	Characterization of Oxygen Levels in an Uninfected and Infected Human Blood-Cerebrospinal-Fluid-Barrier Model. <i>Cells</i> , 2022, 11, 151.	4.1	1
3	Ferrets are valuable models for SARS-CoV-2 research. <i>Veterinary Pathology</i> , 2022, 59, 661-672.	1.7	24
4	Ex Vivo and In Vitro Analysis Identify a Detrimental Impact of Neutrophil Extracellular Traps on Eye Structures in Equine Recurrent Uveitis. <i>Frontiers in Immunology</i> , 2022, 13, 830871.	4.8	6
5	Molecular Prerequisites for Neutrophil Extracellular Trap Formation and Evasion Mechanisms of <i>Staphylococcus aureus</i> . <i>Frontiers in Immunology</i> , 2022, 13, 836278.	4.8	20
6	Formation of Neutrophil Extracellular Traps by Reduction of Cellular Cholesterol Is Independent of Oxygen and HIF-1 $\alpha$ . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3195.	4.1	6
7	Investigations on SARS-CoV-2 Susceptibility of Domestic and Wild Animals Using Primary Cell Culture Models Derived from the Upper and Lower Respiratory Tract. <i>Viruses</i> , 2022, 14, 828.	3.3	10
8	d-Alanylation of Lipoteichoic Acids in <i>Streptococcus suis</i> Reduces Association With Leukocytes in Porcine Blood. <i>Frontiers in Microbiology</i> , 2022, 13, 822369.	3.5	5
9	Detection of Extracellular Traps in Canine Steroid-Responsive Meningitis-Arteritis. <i>Frontiers in Veterinary Science</i> , 2022, 9, 863579.	2.2	3
10	Insights Into Immunothrombotic Mechanisms in Acute Stroke due to Vaccine-Induced Immune Thrombotic Thrombocytopenia. <i>Frontiers in Immunology</i> , 2022, 13, .	4.8	11
11	Neutrophils exhibit an individual response to different oral bacterial biofilms. <i>Journal of Oral Microbiology</i> , 2021, 13, 1856565.	2.7	5
12	The Balance of Neutrophil Extracellular Trap Formation and Nuclease Degradation: an Unknown Role of Bacterial Coinfections in COVID-19 Patients?. <i>MBio</i> , 2021, 12, .	4.1	16
13	Vasculitis and Neutrophil Extracellular Traps in Lungs of Golden Syrian Hamsters With SARS-CoV-2. <i>Frontiers in Immunology</i> , 2021, 12, 640842.	4.8	45
14	Ischaemic postconditioning reduces apoptosis in experimental jejunal ischaemia in horses. <i>BMC Veterinary Research</i> , 2021, 17, 175.	1.9	3
15	Patients with COVID-19: in the dark-NETs of neutrophils. <i>Cell Death and Differentiation</i> , 2021, 28, 3125-3139.	11.2	189
16	LPS Primes Brain Responsiveness to High Mobility Group Box-1 Protein. <i>Pharmaceuticals</i> , 2021, 14, 558.	3.8	12
17	Antimicrobial Susceptibility Testing of Antimicrobial Peptides Requires New and Standardized Testing Structures. <i>ACS Infectious Diseases</i> , 2021, 7, 2205-2208.	3.8	14
18	In vivo oxygen measurement in cerebrospinal fluid of pigs to determine physiologic and pathophysiologic oxygen values during CNS infections. <i>BMC Neuroscience</i> , 2021, 22, 45.	1.9	4

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19	Scent dog identification of SARS-CoV-2 infections in different body fluids. BMC Infectious Diseases, 2021, 21, 707.	2.9	24
20	Staphylococcus aureus Infection Influences the Function of Intestinal Cells by Altering the Lipid Raft-Dependent Sorting of Sucrase $\alpha$ -Isomaltase. Frontiers in Cell and Developmental Biology, 2021, 9, 699970.	3.7	7
21	Discrimination of SARS-CoV-2 Infections From Other Viral Respiratory Infections by Scent Detection Dogs. Frontiers in Medicine, 2021, 8, 749588.	2.6	17
22	Detrimental Role of Neutrophil Extracellular Traps during Dengue Virus Infection. Trends in Immunology, 2020, 41, 3-6.	6.8	11
23	Mesenchymal to epithelial transition driven by canine distemper virus infection of canine histiocytic sarcoma cells contributes to a reduced cell motility in vitro. Journal of Cellular and Molecular Medicine, 2020, 24, 9332-9348.	3.6	14
24	Scent dog identification of samples from COVID-19 patients – a pilot study. BMC Infectious Diseases, 2020, 20, 536.	2.9	132
25	Role of Bacterial and Host DNases on Host-Pathogen Interaction during Streptococcus suis Meningitis. International Journal of Molecular Sciences, 2020, 21, 5289.	4.1	20
26	How Long Does a Neutrophil Live? – The Effect of 24 h Whole Blood Storage on Neutrophil Functions in Pigs. Biomedicines, 2020, 8, 278.	3.2	16
27	Telomere dysfunction promotes small vessel vasculitis via the LL37-NETs-dependent mechanism. Annals of Translational Medicine, 2020, 8, 357-357.	1.7	7
28	Neurotrophic effects of GM1 ganglioside, NGF, and FGF2 on canine dorsal root ganglia neurons in vitro. Scientific Reports, 2020, 10, 5380.	3.3	9
29	Antimicrobial Susceptibility Testing of Antimicrobial Peptides to Better Predict Efficacy. Frontiers in Cellular and Infection Microbiology, 2020, 10, 326.	3.9	70
30	Extracellular Traps: An Ancient Weapon of Multiple Kingdoms. Biology, 2020, 9, 34.	2.8	32
31	Oxidative Stress in Canine Histiocytic Sarcoma Cells Induced by an Infection with Canine Distemper Virus Led to a Dysregulation of HIF-1 $\alpha$ Downstream Pathway Resulting in a Reduced Expression of VEGF-B In Vitro. Viruses, 2020, 12, 200.	3.3	13
32	Analysis of Porcine Pro- and Anti-Inflammatory Cytokine Induction by S. suis In Vivo and In Vitro. Pathogens, 2020, 9, 40.	2.8	15
33	Survival of Streptococcus suis in Porcine Blood Is Limited by the Antibody- and Complement-Dependent Oxidative Burst Response of Granulocytes. Infection and Immunity, 2020, 88, .	2.2	8
34	Influence of Oxygen on Function and Cholesterol Composition of Murine Bone Marrow-Derived Neutrophils. Methods in Molecular Biology, 2020, 2087, 223-233.	0.9	4
35	Detection, Visualization, and Quantification of Neutrophil Extracellular Traps (NETs) and NET Markers. Methods in Molecular Biology, 2020, 2087, 425-442.	0.9	26
36	Oxidative stress in canine histiocytic sarcoma cells (DH82 cells) induced by a persistent canine distemper virus infection leads to impairment of the HIF-1 $\alpha$ downstream pathway in vitro. , 2020, 48, .		0

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37	Constitutive TNF $\alpha$ signaling in neonates is essential for the development of tissue-resident leukocyte profiles at barrier sites. <i>FASEB Journal</i> , 2019, 33, 10633-10647.	0.5	7
38	Degraded neutrophil extracellular traps promote the growth of <i>Actinobacillus pleuropneumoniae</i> . <i>Cell Death and Disease</i> , 2019, 10, 657.	6.3	39
39	A sensitive scoring system for the longitudinal clinical evaluation and prediction of lethal disease outcomes in newborn mice. <i>Scientific Reports</i> , 2019, 9, 5919.	3.3	2
40	Prominent Binding of Human and Equine Fibrinogen to <i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> Is Mediated by Specific SzM Types and Is a Distinct Phenotype of Zoonotic Isolates. <i>Infection and Immunity</i> , 2019, 88, .	2.2	10
41	High Nuclease Activity of Long Persisting <i>Staphylococcus aureus</i> Isolates Within the Airways of Cystic Fibrosis Patients Protects Against NET-Mediated Killing. <i>Frontiers in Immunology</i> , 2019, 10, 2552.	4.8	37
42	Neutrophil Extracellular Traps in the Pathogenesis of Equine Recurrent Uveitis (ERU). <i>Cells</i> , 2019, 8, 1528.	4.1	26
43	To NET or not to NET:current opinions and state of the science regarding the formation of neutrophil extracellular traps. <i>Cell Death and Differentiation</i> , 2019, 26, 395-408.	11.2	295
44	Antimicrobial and Immunomodulatory Effect of Gum Arabic on Human and Bovine Granulocytes Against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i> . <i>Frontiers in Immunology</i> , 2019, 10, 3119.	4.8	18
45	Comparing Cathelicidin Susceptibility of the Meningitis Pathogens <i>Streptococcus suis</i> and <i>Escherichia coli</i> in Culture Medium in Contrast to Porcine or Human Cerebrospinal Fluid. <i>Frontiers in Microbiology</i> , 2019, 10, 2911.	3.5	5
46	Functional variants in the sucrase-isomaltase gene associate with increased risk of irritable bowel syndrome. <i>Gut</i> , 2018, 67, 263-270.	12.1	120
47	Interaction of factor VII activating protease (FSAP) with neutrophil extracellular traps (NETs). <i>Thrombosis Research</i> , 2018, 161, 36-42.	1.7	25
48	Impact of Virtual Patients as Optional Learning Material in Veterinary Biochemistry Education. <i>Journal of Veterinary Medical Education</i> , 2018, 45, 177-187.	0.6	12
49	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
50	Inactivation of multidrug-resistant pathogens and <i>Yersinia enterocolitica</i> with cold atmospheric-pressure plasma on stainless-steel surfaces. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 811-818.	2.5	21
51	Comparison Between K3EDTA and Lithium Heparin as Anticoagulant to Isolate Bovine Granulocytes From Blood. <i>Frontiers in Immunology</i> , 2018, 9, 1570.	4.8	14
52	Extracellular Trap Formation in Response to <i>Trypanosoma cruzi</i> Infection in Granulocytes Isolated From Dogs and Common Opossums, Natural Reservoir Hosts. <i>Frontiers in Microbiology</i> , 2018, 9, 966.	3.5	36
53	Effects of SecDF on the antimicrobial functions of cathelicidins against <i>Staphylococcus aureus</i> . <i>Veterinary Microbiology</i> , 2017, 200, 52-58.	1.9	8
54	S100-alarmin-induced innate immune programming protects newborn infants from sepsis. <i>Nature Immunology</i> , 2017, 18, 622-632.	14.5	131

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55	Case study on the pathophysiology of Fabry disease: abnormalities of cellular membranes can be reversed by substrate reduction <i>in vitro</i> . Bioscience Reports, 2017, 37, .	2.4	16
56	Antimicrobial activity of HL-60 cells compared to primary blood-derived neutrophils against Staphylococcus aureus. Journal of Negative Results in BioMedicine, 2017, 16, 2.	1.4	34
57	In neonates S100A8/S100A9 alarmins prevent the expansion of a specific inflammatory monocyte population promoting septic shock. FASEB Journal, 2017, 31, 1153-1164.	0.5	35
58	Testing cathelicidin susceptibility of bacterial mastitis isolates: Technical challenges and data output for clinical isolates. Veterinary Microbiology, 2017, 210, 107-115.	1.9	8
59	Methods to Study Lipid Alterations in Neutrophils and the Subsequent Formation of Neutrophil Extracellular Traps. Journal of Visualized Experiments, 2017, . .	0.3	5
60	Neutrophil extracellular trap formation in the <i>Streptococcus suis</i> -infected cerebrospinal fluid compartment. Cellular Microbiology, 2017, 19, e12649.	2.1	79
61	In Vitro Testing of Crude Natural Plant Extracts from Costa Rica for Their Ability to Boost Innate Immune Cells against Staphylococcus aureus. Biomedicines, 2017, 5, 40.	3.2	5
62	Hypoxia Modulates the Response of Mast Cells to Staphylococcus aureus Infection. Frontiers in Immunology, 2017, 8, 541.	4.8	22
63	Utilization and acceptance of virtual patients in veterinary basic sciences - the vetVIP-project. GMS Journal for Medical Education, 2017, 34, Doc19.	0.1	7
64	How Neutrophil Extracellular Traps Become Visible. Journal of Immunology Research, 2016, 2016, 1-13.	2.2	113
65	Antimicrobial Activity of Mast Cells: Role and Relevance of Extracellular DNA Traps. Frontiers in Immunology, 2016, 7, 265.	4.8	65
66	Formation of Neutrophil Extracellular Traps under Low Oxygen Level. Frontiers in Immunology, 2016, 7, 518.	4.8	73
67	Hypoxia Decreases Invasin-Mediated Yersinia enterocolitica Internalization into Caco-2 Cells. PLoS ONE, 2016, 11, e0146103.	2.5	17
68	Guarea kunthiana Bark Extract Enhances the Antimicrobial Activities of Human and Bovine Neutrophils. Natural Product Communications, 2016, 11, 1934578X1601100.	0.5	4
69	Type I IFNs induce anti-tumor polarization of tumor associated neutrophils in mice and human. International Journal of Cancer, 2016, 138, 1982-1993.	5.1	298
70	Staphylococcus aureus protects its immune-evasion proteins against degradation by neutrophil serine proteases. Cellular Microbiology, 2016, 18, 536-545.	2.1	18
71	In vitro activity of human and animal cathelicidins against livestock-associated methicillin-resistant Staphylococcus aureus. Veterinary Microbiology, 2016, 194, 107-111.	1.9	19
72	Iron-chelating agent desferrioxamine stimulates formation of neutrophil extracellular traps (NETs) in human blood-derived neutrophils. Bioscience Reports, 2016, 36, .	2.4	42

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73	The impact of hypoxia on intestinal epithelial cell functions: consequences for invasion by bacterial pathogens. <i>Molecular and Cellular Pediatrics</i> , 2016, 3, 14.	1.8	85
74	Measuring oxygen levels in Caco-2 cultures. <i>Hypoxia (Auckland, N Z)</i> , 2015, 3, 53.	1.9	20
75	The Diverse Forms of Lactose Intolerance and the Putative Linkage to Several Cancers. <i>Nutrients</i> , 2015, 7, 7209-7230.	4.1	42
76	Identification of a novel DNase of <i>Streptococcus suis</i> (EndAsuis) important for neutrophil extracellular trap degradation during exponential growth. <i>Microbiology (United Kingdom)</i> , 2015, 161, 838-850.	1.8	49
77	Novel role of DNA in neutrophil extracellular traps. <i>Trends in Microbiology</i> , 2015, 23, 330-331.	7.7	16
78	Automatic determination of NET (neutrophil extracellular traps) coverage in fluorescent microscopy images. <i>Bioinformatics</i> , 2015, 31, 2364-2370.	4.1	26
79	<i>Yersinia enterocolitica</i> -mediated degradation of neutrophil extracellular traps (NETs). <i>FEMS Microbiology Letters</i> , 2015, 362, fmv192.	1.8	25
80	Neutrophil Extracellular Trap Formation: A Single Cell Event?. <i>Single Cell Biology</i> , 2015, 04, .	0.2	1
81	The Mechanism of Type I Interferon-Mediated Polarization of Tumor-Associated Neutrophils in Mice and Human. <i>Blood</i> , 2015, 126, 644-644.	1.4	0
82	Influencing Factors and Applicability of the Viability EMA-qPCR for a Detection and Quantification of <i>Campylobacter</i> Cells from Water Samples. <i>PLoS ONE</i> , 2014, 9, e113812.	2.5	14
83	Alarmins MRP8 and MRP14 Induce Stress Tolerance in Phagocytes under Sterile Inflammatory Conditions. <i>Cell Reports</i> , 2014, 9, 2112-2123.	6.4	118
84	Enrofloxacin Enhances the Formation of Neutrophil Extracellular Traps in Bovine Granulocytes. <i>Journal of Innate Immunity</i> , 2014, 6, 706-712.	3.8	30
85	Novel Role of the Antimicrobial Peptide LL-37 in the Protection of Neutrophil Extracellular Traps against Degradation by Bacterial Nucleases. <i>Journal of Innate Immunity</i> , 2014, 6, 860-868.	3.8	120
86	Antibodies Mediate Formation of Neutrophil Extracellular Traps in the Middle Ear and Facilitate Secondary Pneumococcal Otitis Media. <i>Infection and Immunity</i> , 2014, 82, 364-370.	2.2	47
87	The antimicrobial peptide LL-37 facilitates the formation of neutrophil extracellular traps. <i>Biochemical Journal</i> , 2014, 464, 3-11.	3.7	121
88	<i>Streptococcus suis</i> DNase SsnA contributes to degradation of neutrophil extracellular traps (NETs) and evasion of NET-mediated antimicrobial activity. <i>Microbiology (United Kingdom)</i> , 2014, 160, 385-395.	1.8	116
89	Lipid alterations in human blood-derived neutrophils lead to formation of neutrophil extracellular traps. <i>European Journal of Cell Biology</i> , 2014, 93, 347-354.	3.6	35
90	The effect of $\beta$ -glucan on formation and functionality of neutrophil extracellular traps in carp ( <i>Cyprinus carpio</i> L.). <i>Developmental and Comparative Immunology</i> , 2014, 44, 280-285.	2.3	45

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91	Cholesterol depletion in human blood-derived neutrophils by methyl- $\beta$ -cyclodextrin leads to the formation of neutrophil extracellular traps (1001.5). <i>FASEB Journal</i> , 2014, 28, 1001.5.	0.5	0
92	Iron chelating agents lead to the formation of neutrophil extracellular traps and subsequent entrapment of <i>Staphylococcus aureus</i> (1056.8). <i>FASEB Journal</i> , 2014, 28, 1056.8.	0.5	0
93	$\beta$ -Glucan protects neutrophil extracellular traps against degradation by <i>Aeromonas hydrophila</i> in carp ( <i>Cyprinus carpio</i> ). <i>Fish and Shellfish Immunology</i> , 2012, 33, 1060-1064.	3.6	52
94	Influences of Chloride and Hypochlorite on Neutrophil Extracellular Trap Formation. <i>PLoS ONE</i> , 2012, 7, e42984.	2.5	106
95	Nuclease Expression by <i>Staphylococcus aureus</i> Facilitates Escape from Neutrophil Extracellular Traps. <i>Journal of Innate Immunity</i> , 2010, 2, 576-586.	3.8	402
96	Visualization and Functional Evaluation of Phagocyte Extracellular Traps. <i>Methods in Microbiology</i> , 2010, 37, 139-160.	0.8	57
97	Statins Enhance Formation of Phagocyte Extracellular Traps. <i>Cell Host and Microbe</i> , 2010, 8, 445-454.	11.0	368
98	Innate immunity turned inside-out: antimicrobial defense by phagocyte extracellular traps. <i>Journal of Molecular Medicine</i> , 2009, 87, 775-783.	3.9	232
99	Fetal calf serum contains heat-stable nucleases that degrade neutrophil extracellular traps. <i>Blood</i> , 2009, 114, 5245-5246.	1.4	83