

# Markus M Heimesaat

## List of Publications by Year in descending order

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Version: 2024-02-01

180  
papers

9,963  
citations

38660

50  
h-index

42291

92  
g-index

186  
all docs

186  
docs citations

186  
times ranked

13086  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Effects of Glucagon-Like Peptide 1 on Counterregulatory Hormone Responses, Cognitive Functions, and Insulin Secretion during Hyperinsulinemic, Stepped Hypoglycemic Clamp Experiments in Healthy Volunteers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 1239-1246. | 1.8  | 515       |
| 2  | Ly6Chi Monocytes Provide a Link between Antibiotic-Induced Changes in Gut Microbiota and Adult Hippocampal Neurogenesis. <i>Cell Reports</i> , 2016, 15, 1945-1956.   | 2.9  | 358       |
| 3  | Gram-Negative Bacteria Aggravate Murine Small Intestinal Th1-Type Immunopathology following Oral Infection with <i>Toxoplasma gondii</i> . <i>Journal of Immunology</i> , 2006, 177, 8785-8795.   | 0.4  | 355       |
| 4  | A guide to histomorphological evaluation of intestinal inflammation in mouse models. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 4557-76.  | 0.5  | 340       |
| 5  | Interleukin (IL)-23 mediates <i>Toxoplasma gondii</i> -induced immunopathology in the gut via matrixmetalloproteinase-2 and IL-22 but independent of IL-17. <i>Journal of Experimental Medicine</i> , 2009, 206, 3047-3059.   | 4.2  | 262       |
| 6  | Regulatory T Cell Specificity Directs Tolerance versus Allergy against Aeroantigens in Humans. <i>Cell</i> , 2016, 167, 1067-1078.e16.  | 13.5 | 253       |
| 7  | Novel Murine Infection Models Provide Deep Insights into the ÆœMœnage Å TroisÆœ of <i>Campylobacter jejuni</i> , Microbiota and Host Innate Immunity. <i>PLoS ONE</i> , 2011, 6, e20953.  | 1.1  | 245       |
| 8  | Anti-Inflammatory Effects of Resveratrol, Curcumin and Simvastatin in Acute Small Intestinal Inflammation. <i>PLoS ONE</i> , 2010, 5, e15099.   | 1.1  | 244       |
| 9  | Immunology of <i>Toxoplasma gondii</i> . <i>Immunological Reviews</i> , 2011, 240, 269-285.   | 2.8  | 233       |
| 10 | MyD88/TLR9 mediated immunopathology and gut microbiota dynamics in a novel murine model of intestinal graft-versus-host disease. <i>Gut</i> , 2010, 59, 1079-1087.  | 6.1  | 229       |
| 11 | The NLRP3 Inflammasome Is Differentially Activated by Pneumolysin Variants and Contributes to Host Defense in Pneumococcal Pneumonia. <i>Journal of Immunology</i> , 2011, 187, 434-440.  | 0.4  | 222       |
| 12 | Gut Microbiota-Dependent Trimethylamine <i>N</i> -Oxide Predicts Risk of Cardiovascular Events in Patients With Stroke and Is Related to Proinflammatory Monocytes. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2225-2235.  | 1.1  | 219       |
| 13 | Shift Towards Pro-inflammatory Intestinal Bacteria Aggravates Acute Murine Colitis via Toll-like Receptors 2 and 4. <i>PLoS ONE</i> , 2007, 2, e662.  | 1.1  | 200       |
| 14 | Toll-like receptor and IL-12 signaling control susceptibility to contact hypersensitivity. <i>Journal of Experimental Medicine</i> , 2008, 205, 2151-2162.  | 4.2  | 195       |
| 15 | Depletion of Cultivable Gut Microbiota by Broad-Spectrum Antibiotic Pretreatment Worsens Outcome After Murine Stroke. <i>Stroke</i> , 2016, 47, 1354-1363.  | 1.0  | 168       |
| 16 | Interleukin-22 Induces Interleukin-18 Expression from Epithelial Cells during Intestinal Infection. <i>Immunity</i> , 2015, 42, 321-331.  | 6.6  | 162       |
| 17 | Role of Blimp-1 in programming Th effector cells into IL-10 producers. <i>Journal of Experimental Medicine</i> , 2014, 211, 1807-1819.  | 4.2  | 161       |
| 18 | Small Intestinal Nematode Infection of Mice Is Associated with Increased Enterobacterial Loads alongside the Intestinal Tract. <i>PLoS ONE</i> , 2013, 8, e74026.   | 1.1  | 159       |

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|----|--|-----|-----------|
| 19 | Aggravation of Different Types of Experimental Colitis by Depletion or Adhesion Blockade of Neutrophils. <i>Gastroenterology</i> , 2007, 133, 1882-1892.   | 0.6 | 156       |
| 20 | Immunomodulatory and antimicrobial effects of vitamin C. <i>European Journal of Microbiology and Immunology</i> , 2019, 9, 73-79.  | 1.5 | 148       |
| 21 | Dissecting the interplay between intestinal microbiota and host immunity in health and disease: Lessons learned from germfree and gnotobiotic animal models. <i>European Journal of Microbiology and Immunology</i> , 2016, 6, 253-271.                    | 1.5 | 142       |
| 22 | Toll-like receptor-4 deficiency attenuates doxorubicin-induced cardiomyopathy in mice. <i>European Journal of Heart Failure</i> , 2008, 10, 233-243.   | 2.9 | 136       |
| 23 | Intestinal Microbiota Shifts towards Elevated Commensal Escherichia coli Loads Abrogate Colonization Resistance against Campylobacter jejuni in Mice. <i>PLoS ONE</i> , 2012, 7, e35988.   | 1.1 | 130       |
| 24 | Campylobacter jejuni Induces Acute Enterocolitis in Gnotobiotic IL-10 <sup>-/-</sup> Mice via Toll-Like-Receptor-2 and -4 Signaling. <i>PLoS ONE</i> , 2012, 7, e40761.  | 1.1 | 126       |
| 25 | Immune Responses to Broad-Spectrum Antibiotic Treatment and Fecal Microbiota Transplantation in Mice. <i>Frontiers in Immunology</i> , 2017, 8, 397.   | 2.2 | 122       |
| 26 | Propionate attenuates atherosclerosis by immune-dependent regulation of intestinal cholesterol metabolism. <i>European Heart Journal</i> , 2022, 43, 518-533.  | 1.0 | 113       |
| 27 | Toll-Like Receptor-4 Modulates Survival by Induction of Left Ventricular Remodeling after Myocardial Infarction in Mice. <i>Journal of Immunology</i> , 2008, 180, 6954-6961.  | 0.4 | 112       |
| 28 | The Induction of Colitis and Ileitis in Mice Is Associated with Marked Increases in Intestinal Concentrations of Stimulants of TLRs 2, 4, and 5. <i>PLoS ONE</i> , 2010, 5, e9125.   | 1.1 | 112       |
| 29 | Modification of Intestinal Microbiota and Its Consequences for Innate Immune Response in the Pathogenesis of Campylobacteriosis. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-10.  | 3.3 | 108       |
| 30 | The role of serine protease HtrA in acute ulcerative enterocolitis and extra-intestinal immune responses during Campylobacter jejuni infection of gnotobiotic IL-10 deficient mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 77. | 1.8 | 99        |
| 31 | Ly6Chigh Monocytes Control Cerebral Toxoplasmosis. <i>Journal of Immunology</i> , 2015, 194, 3223-3235.  | 0.4 | 99        |
| 32 | Fetal meconium does not have a detectable microbiota before birth. <i>Nature Microbiology</i> , 2021, 6, 865-873.  | 5.9 | 95        |
| 33 | Profound defects in pancreatic Î²-cell function in mice with combined heterozygous mutations in Pdx-1, Hnf-1Î±, and Hnf-3Î². <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3818-3823.                 | 3.3 | 90        |
| 34 | Reduced Degradation of the Chemokine MCP-3 by Matrix Metalloproteinase-2 Exacerbates Myocardial Inflammation in Experimental Viral Cardiomyopathy. <i>Circulation</i> , 2011, 124, 2082-2093.  | 1.6 | 81        |
| 35 | Antibiotic treatment-induced secondary IgA deficiency enhances susceptibility to Pseudomonas aeruginosa pneumonia. <i>Journal of Clinical Investigation</i> , 2018, 128, 3535-3545.  | 3.9 | 75        |
| 36 | TRIF Is a Critical Survival Factor in Viral Cardiomyopathy. <i>Journal of Immunology</i> , 2011, 186, 2561-2570.   | 0.4 | 71        |

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|----|---|-----|-----------|
| 37 | Helicobacter pylori Induced Gastric Immunopathology Is Associated with Distinct Microbiota Changes in the Large Intestines of Long-Term Infected Mongolian Gerbils. PLoS ONE, 2014, 9, e100362.   | 1.1 | 69        |
| 38 | The role of gelatinases in Campylobacter jejuni infection of gnotobiotic mice. European Journal of Microbiology and Immunology, 2015, 5, 256-267.   | 1.5 | 68        |
| 39 | Comprehensive Postmortem Analyses of Intestinal Microbiota Changes and Bacterial Translocation in Human Flora Associated Mice. PLoS ONE, 2012, 7, e40758.   | 1.1 | 67        |
| 40 | Atovaquone Maintenance Therapy Prevents Reactivation of Toxoplasmic Encephalitis in a Murine Model of Reactivated Toxoplasmosis. Antimicrobial Agents and Chemotherapy, 2004, 48, 4848-4854.  | 1.4 | 63        |
| 41 | Campylobacter jejuni infection of infant mice: Acute enterocolitis is followed by asymptomatic intestinal and extra-intestinal immune responses. European Journal of Microbiology and Immunology, 2012, 2, 2-11.                                      | 1.5 | 63        |
| 42 | Lactobacillus johnsonii ameliorates intestinal, extra-intestinal and systemic pro-inflammatory immune responses following murine Campylobacter jejuni infection. Scientific Reports, 2017, 7, 2138.   | 1.6 | 60        |
| 43 | NOD2 (Nucleotide-Binding Oligomerization Domain 2) Is a Major Pathogenic Mediator of Coxsackievirus B3-Induced Myocarditis. Circulation: Heart Failure, 2017, 10, .   | 1.6 | 60        |
| 44 | The octapeptide NAP alleviates intestinal and extra-intestinal anti-inflammatory sequelae of acute experimental colitis. Peptides, 2018, 101, 1-9.  | 1.2 | 60        |
| 45 | Impact of Campylobacter jejuni cj0268c Knockout Mutation on Intestinal Colonization, Translocation, and Induction of Immunopathology in Gnotobiotic IL-10 Deficient Mice. PLoS ONE, 2014, 9, e90148.  | 1.1 | 57        |
| 46 | Matrix Metalloproteinase-2 Mediates Intestinal Immunopathogenesis in Campylobacter jejuni-infected infant mice. European Journal of Microbiology and Immunology, 2015, 5, 188-198.  | 1.5 | 56        |
| 47 | CCR7 deficiency causes ectopic lymphoid neogenesis and disturbed mucosal tissue integrity. Blood, 2007, 109, 886-895.   | 0.6 | 54        |
| 48 | The impact of Toll-like-receptor-9 on intestinal microbiota composition and extra-intestinal sequelae in experimental Toxoplasma gondii induced ileitis. Gut Pathogens, 2014, 6, 19.  | 1.6 | 54        |
| 49 | SDS-coated atovaquone nanosuspensions show improved therapeutic efficacy against experimental acquired and reactivated toxoplasmosis by improving passage of gastrointestinal and blood-brain barriers. Journal of Drug Targeting, 2011, 19, 114-124. | 2.1 | 53        |
| 50 | Novel Clinical Campylobacter jejuni Infection Models Based on Sensitization of Mice to Lipooligosaccharide, a Major Bacterial Factor Triggering Innate Immune Responses in Human Campylobacteriosis. Microorganisms, 2020, 8, 482.                    | 1.6 | 52        |
| 51 | The Probiotic Compound VSL#3 Modulates Mucosal, Peripheral, and Systemic Immunity Following Murine Broad-Spectrum Antibiotic Treatment. Frontiers in Cellular and Infection Microbiology, 2017, 7, 167.   | 1.8 | 51        |
| 52 | Finding novel antibiotic substances from medicinal plants – Antimicrobial properties of Nigella sativa directed against multidrug resistant bacteria. European Journal of Microbiology and Immunology, 2017, 7, 92-98.                                | 1.5 | 49        |
| 53 | Antibiotic use during pregnancy increases offspring asthma severity in a dose-dependent manner. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1979-1990.  | 2.7 | 49        |
| 54 | Survey of extra-intestinal immune responses in asymptomatic long-term Campylobacter jejuni-infected mice. European Journal of Microbiology and Immunology, 2013, 3, 174-182.  | 1.5 | 48        |

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|----|---|-----|-----------|
| 55 | Nucleotide Oligomerization Domains 1 and 2: Regulation of Expression and Function in Preadipocytes. <i>Journal of Immunology</i> , 2008, 181, 3620-3627.  | 0.4 | 47        |
| 56 | Acute ileitis facilitates infection with multidrug resistant <i>Pseudomonas aeruginosa</i> in human microbiota-associated mice. <i>Gut Pathogens</i> , 2017, 9, 4.  | 1.6 | 46        |
| 57 | Pituitary Adenylate Cyclase-Activating Polypeptide Ameliorates Experimental Acute Ileitis and Extra-Intestinal Sequelae. <i>PLoS ONE</i> , 2014, 9, e108389.  | 1.1 | 45        |
| 58 | Fecal Microbiota Transplantation, Commensal <i>Escherichia coli</i> and <i>Lactobacillus johnsonii</i> Strains Differentially Restore Intestinal and Systemic Adaptive Immune Cell Populations Following Broad-spectrum Antibiotic Treatment. <i>Frontiers in Microbiology</i> , 2017, 8, 2430. | 1.5 | 45        |
| 59 | Human Campylobacteriosis – A Serious Infectious Threat in a One Health Perspective. <i>Current Topics in Microbiology and Immunology</i> , 2021, 431, 1-23.   | 0.7 | 44        |
| 60 | Composition of Intestinal Microbiota in Immune-Deficient Mice Kept in Three Different Housing Conditions. <i>PLoS ONE</i> , 2014, 9, e113406.   | 1.1 | 44        |
| 61 | Myeloid differentiation factor-88 contributes to TLR9-mediated modulation of acute coxsackievirus B3-induced myocarditis in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 298, H2024-H2031.  | 1.5 | 43        |
| 62 | The impact of serine protease HtrA in apoptosis, intestinal immune responses and extra-intestinal histopathology during <i>Campylobacter jejuni</i> infection of infant mice. <i>Gut Pathogens</i> , 2014, 6, 16.   | 1.6 | 41        |
| 63 | The IL-23/IL-22/IL-18 axis in murine <i>Campylobacter jejuni</i> infection. <i>Gut Pathogens</i> , 2016, 8, 21.   | 1.6 | 41        |
| 64 | Intestinal and Systemic Immune Responses upon Multi-drug Resistant <i>Pseudomonas aeruginosa</i> Colonization of Mice Harboring a Human Gut Microbiota. <i>Frontiers in Microbiology</i> , 2017, 8, 2590.   | 1.5 | 41        |
| 65 | The Role of IL-23, IL-22, and IL-18 in <i>Campylobacter Jejuni</i> Infection of Conventional Infant Mice. <i>European Journal of Microbiology and Immunology</i> , 2016, 6, 124-136.  | 1.5 | 38        |
| 66 | Human campylobacteriosis. , 2017, , 1-25.   |     | 38        |
| 67 | Commensal microbiota drive proliferation of conventional and Foxp3+Regulatory CD4+T cells in mesenteric lymph nodes and Peyer's patches. <i>European Journal of Microbiology and Immunology</i> , 2013, 3, 1-10.  | 1.5 | 37        |
| 68 | Function of serine protease HtrA in the lifecycle of the foodborne pathogen <i>Campylobacter jejuni</i> . <i>European Journal of Microbiology and Immunology</i> , 2018, 8, 70-77.  | 1.5 | 35        |
| 69 | Interleukin-7 Links T Lymphocyte and Intestinal Epithelial Cell Homeostasis. <i>PLoS ONE</i> , 2012, 7, e31939.   | 1.1 | 35        |
| 70 | Intestinal microbiota changes in mice lacking pituitary adenylate cyclase activating polypeptide (PACAP) – bifidobacteria make the difference. <i>European Journal of Microbiology and Immunology</i> , 2017, 7, 187-199.   | 1.5 | 34        |
| 71 | Curcumin Mitigates Immune-Induced Epithelial Barrier Dysfunction by <i>Campylobacter jejuni</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 4830.  | 1.8 | 34        |
| 72 | Nucleotide-Oligomerization-Domain-2 Affects Commensal Gut Microbiota Composition and Intracerebral Immunopathology in Acute <i>Toxoplasma gondii</i> Induced Murine Ileitis. <i>PLoS ONE</i> , 2014, 9, e105120.  | 1.1 | 34        |

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|----|---|-----|-----------|
| 73 | Intestinal, extra-intestinal and systemic sequelae of <i>Toxoplasma gondii</i> induced acute ileitis in mice harboring a human gut microbiota. <i>PLoS ONE</i> , 2017, 12, e0176144.  | 1.1 | 34        |
| 74 | The distinct roles of MMP-2 and MMP-9 in acute DSS colitis. <i>European Journal of Microbiology and Immunology</i> , 2011, 1, 302-310.  | 1.5 | 33        |
| 75 | Primary sterile necrotic cells fail to cross-prime CD8 <sup>+</sup> T cells. <i>Oncotmunology</i> , 2012, 1, 1017-1026.   | 2.1 | 33        |
| 76 | Anti-inflammatory effects of the octapeptide NAP in human microbiota-associated mice suffering from subacute ileitis. <i>European Journal of Microbiology and Immunology</i> , 2018, 8, 34-40.  | 1.5 | 32        |
| 77 | Novel ADNP Syndrome Mice Reveal Dramatic Sex-Specific Peripheral Gene Expression With Brain Synaptic and Tau Pathologies. <i>Biological Psychiatry</i> , 2022, 92, 81-95.   | 0.7 | 32        |
| 78 | NK cell-derived IL-10 is critical for DC-NK cell dialogue at the maternal-fetal interface. <i>Scientific Reports</i> , 2017, 7, 2189.   | 1.6 | 30        |
| 79 | Peroral low-dose <i>Toxoplasma gondii</i> infection of human microbiota-associated mice â€” a subacute ileitis model to unravel pathogenâ€”host interactions. <i>European Journal of Microbiology and Immunology</i> , 2018, 8, 53-61.              | 1.5 | 30        |
| 80 | Compounds Blocking Methylglyoxal-induced Protein Modification and Brain Endothelial Injury. <i>Archives of Medical Research</i> , 2014, 45, 753-764.  | 1.5 | 29        |
| 81 | Amelioration of intestinal and systemic sequelae of murine <i>Campylobacter jejuni</i> infection by probiotic VSL#3 treatment. <i>Gut Pathogens</i> , 2017, 9, 17.  | 1.6 | 29        |
| 82 | Murine Fecal Microbiota Transplantation Alleviates Intestinal and Systemic Immune Responses in <i>Campylobacter jejuni</i> Infected Mice Harboring a Human Gut Microbiota. <i>Frontiers in Immunology</i> , 2019, 10, 2272.                         | 2.2 | 29        |
| 83 | Immunopathological properties of the <i>Campylobacter jejuni</i> flagellins and the adhesin CadF as assessed in a clinical murine infection model. <i>Gut Pathogens</i> , 2019, 11, 24.   | 1.6 | 29        |
| 84 | The microbiota regulates murine inflammatory responses to toxin-induced CNS demyelination but has minimal impact on remyelination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25311-25321. | 3.3 | 29        |
| 85 | <i>Campylobacter jejuni</i> induces extra-intestinal immune responses via toll-like-receptor-4 signaling in conventional IL-10 deficient mice with chronic colitis. <i>European Journal of Microbiology and Immunology</i> , 2012, 2, 210-219.      | 1.5 | 28        |
| 86 | Changes of the intestinal microbiomeâ€”host homeostasis in HIV-infected individuals â€” a focus on the bacterial gut microbiome. <i>European Journal of Microbiology and Immunology</i> , 2017, 7, 158-167.   | 1.5 | 28        |
| 87 | Carvacrol ameliorates acute campylobacteriosis in a clinical murine infection model. <i>Gut Pathogens</i> , 2020, 12, 2.  | 1.6 | 27        |
| 88 | Murine infection models for the investigation of <i>Campylobacter jejuni</i> -host interactions and pathogenicity. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , 2015, 128, 98-103.   | 0.7 | 27        |
| 89 | Multidrug-resistant <i>Pseudomonas aeruginosa</i> induce systemic pro-inflammatory immune responses in colonized mice. <i>European Journal of Microbiology and Immunology</i> , 2017, 7, 200-209.   | 1.5 | 26        |
| 90 | Protease Activity of <i>Campylobacter jejuni</i> HtrA Modulates Distinct Intestinal and Systemic Immune Responses in Infected Secondary Abiotic IL-10 Deficient Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 79.        | 1.8 | 26        |

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|-----|--|-----|-----------|
| 91  | Loss of Toll-like Receptor 2 and 4 Leads to Differential Induction of Endoplasmic Reticulum Stress and Proapoptotic Responses in the Intestinal Epithelium under Conditions of Chronic Inflammation. <i>Journal of Proteome Research</i> , 2009, 8, 4406-4417.     | 1.8 | 25        |
| 92  | Colonic Expression of Genes Encoding Inflammatory Mediators and Gelatinases During <i>Campylobacter jejuni</i> Infection of Conventional Infant Mice. <i>European Journal of Microbiology and Immunology</i> , 2016, 6, 137-146.                                   | 1.5 | 25        |
| 93  | Pituitary Adenylate Cyclase-Activating Polypeptideâ€”A Neuropeptide as Novel Treatment Option for Subacute Ileitis in Mice Harboring a Human Gut Microbiota. <i>Frontiers in Immunology</i> , 2019, 10, 554.   | 2.2 | 25        |
| 94  | Vitamin C alleviates acute enterocolitis in <i>Campylobacter jejuni</i> infected mice. <i>Scientific Reports</i> , 2020, 10, 2921.   | 1.6 | 25        |
| 95  | Vitamin D in Acute <i>Campylobacteriosis</i> â€”Results From an Intervention Study Applying a Clinical <i>Campylobacter jejuni</i> Induced Enterocolitis Model. <i>Frontiers in Immunology</i> , 2019, 10, 2094.   | 2.2 | 24        |
| 96  | Antibacterial properties of capsaicin and its derivatives and their potential to fight antibiotic resistance â€” A literature survey. <i>European Journal of Microbiology and Immunology</i> , 2021, 11, 10-17.  | 1.5 | 24        |
| 97  | The Human HNF-3 Genes: Cloning, Partial Sequence and Mutation Screening in Patients with Impaired Glucose Homeostasis. <i>Human Heredity</i> , 2000, 50, 370-381.  | 0.4 | 23        |
| 98  | Comprehensive survey of intestinal microbiota changes in offspring of human microbiota associated mice. <i>European Journal of Microbiology and Immunology</i> , 2017, 7, 65-75.   | 1.5 | 23        |
| 99  | Absence of Nucleotide-Oligomerization-Domain-2 Is Associated with Less Distinct Disease in <i>Campylobacter jejuni</i> Infected Secondary Abiotic IL-10 Deficient Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 322.                    | 1.8 | 22        |
| 100 | Multidrug-resistant <i>Pseudomonas aeruginosa</i> aggravates inflammatory responses in murine chronic colitis. <i>Scientific Reports</i> , 2018, 8, 6685.  | 1.6 | 22        |
| 101 | HIF prolyl hydroxylase-2 inhibition diminishes tumor growth through matrix metalloproteinase-induced TGF $\beta$ 2 activation. <i>Cancer Biology and Therapy</i> , 2012, 13, 216-223.  | 1.5 | 21        |
| 102 | Toll-like receptor-4 differentially mediates intestinal and extra-intestinal immune responses upon multi-drug resistant <i>Pseudomonas aeruginosa</i> association of IL10 $\alpha/\alpha^{\sim}$ mice with chronic colitis. <i>Gut Pathogens</i> , 2017, 9, 61.    | 1.6 | 21        |
| 103 | Antibiotic-induced gut dysbiosis leads to activation of microglia and impairment of cholinergic gamma oscillations in the hippocampus. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 203-217.   | 2.0 | 21        |
| 104 | Can microbiota transplantation abrogate murine colonization resistance against <i>Campylobacter jejuni</i> ?. <i>European Journal of Microbiology and Immunology</i> , 2013, 3, 36-43.   | 1.5 | 20        |
| 105 | Antimicrobial and immune-modulatory effects of vitamin D provide promising antibiotics-independent approaches to tackle bacterial infections â€” lessons learnt from a literature survey. <i>European Journal of Microbiology and Immunology</i> , 2019, 9, 80-87. | 1.5 | 20        |
| 106 | Prevalence of <i>Clostridium difficile</i> Toxins A and B and <i>Clostridium perfringens</i> Enterotoxin A in Stool Samples of Patients with Antibioticâ€”Associated Diarrhea. <i>Infection</i> , 2005, 33, 340-344.   | 2.3 | 19        |
| 107 | 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, e0131991.  | 1.1 | 19        |
| 108 | Anti-Pathogenic and Immune-Modulatory Effects of Peroral Treatment with Cardamom Essential Oil in Acute Murine <i>Campylobacteriosis</i> . <i>Microorganisms</i> , 2021, 9, 169.   | 1.6 | 19        |



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|-----|---|-----|-----------|
| 109 | Preclinical Evaluation of Oral Urolithin-A for the Treatment of Acute Campylobacteriosis in Campylobacter jejuni Infected Microbiota-Depleted IL-10 <sup>-/-</sup> Mice. <i>Pathogens</i> , 2021, 10, 7.                | 1.2 | 19        |
| 110 | Saponins increase susceptibility of vancomycin-resistant enterococci to antibiotic compounds. <i>European Journal of Microbiology and Immunology</i> , 2014, 4, 204-212.  | 1.5 | 17        |
| 111 | Survey of small intestinal and systemic immune responses following murine <i>Arcobacter butzleri</i> infection. <i>Gut Pathogens</i> , 2015, 7, 28.   | 1.6 | 17        |
| 112 | Ventilator-induced lung injury is aggravated by antibiotic mediated microbiota depletion in mice. <i>Critical Care</i> , 2018, 22, 282.   | 2.5 | 17        |
| 113 | Glycyrrhizic Acid Decreases Gentamicin-Resistance in Vancomycin-Resistant Enterococci. <i>Planta Medica</i> , 2016, 82, 1540-1545.  | 0.7 | 16        |
| 114 | <i>Campylobacter concisus</i> Impairs Sodium Absorption in Colonic Epithelium via ENaC Dysfunction and Claudin-8 Disruption. <i>International Journal of Molecular Sciences</i> , 2020, 21, 373.                        | 1.8 | 16        |
| 115 | <i>Arcobacter butzleri</i> Induce Colonic, Extra-Intestinal and Systemic Inflammatory Responses in Gnotobiotic IL-10 Deficient Mice in a Strain-Dependent Manner. <i>PLoS ONE</i> , 2015, 10, e0139402.                 | 1.1 | 15        |
| 116 | Impact of the Gut Microbiota on Atorvastatin Mediated Effects on Blood Lipids. <i>Journal of Clinical Medicine</i> , 2020, 9, 1596.   | 1.0 | 15        |
| 117 | Characterization of <i>Arcobacter</i> strains isolated from human stool samples: results from the prospective German prevalence study Arcopath. <i>Gut Pathogens</i> , 2020, 12, 3.                                     | 1.6 | 15        |
| 118 | Murine Models for the Investigation of Colonization Resistance and Innate Immune Responses in <i>Campylobacter jejuni</i> Infections. <i>Current Topics in Microbiology and Immunology</i> , 2021, 431, 233-263.        | 0.7 | 15        |
| 119 | <i>Campylobacter jejuni</i> infection of conventionally colonized mice lacking nucleotide-oligomerization-domain-2. <i>Gut Pathogens</i> , 2017, 9, 5.  | 1.6 | 14        |
| 120 | ROR <sup>γ</sup> <sub>t</sub> <sup>+</sup> Treg to Th17 ratios correlate with susceptibility to <i>Giardia</i> infection. <i>Scientific Reports</i> , 2019, 9, 20328.   | 1.6 | 14        |
| 121 | Resveratrol Alleviates Acute <i>Campylobacter jejuni</i> Induced Enterocolitis in a Preclinical Murine Intervention Study. <i>Microorganisms</i> , 2020, 8, 1858.   | 1.6 | 14        |
| 122 | Immune-modulatory Properties of the Octapeptide NAP in <i>Campylobacter jejuni</i> Infected Mice Suffering from Acute Enterocolitis. <i>Microorganisms</i> , 2020, 8, 802.  | 1.6 | 14        |
| 123 | Transition from an autoimmune-prone state to fatal autoimmune disease in CCR7 and ROR <sup>γ</sup> <sub>t</sub> double-deficient mice is dependent on gut microbiota. <i>Journal of Autoimmunity</i> , 2013, 47, 58-72. | 3.0 | 13        |
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