# Martin Schwarzer

List of Publications by Year
in descending order



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|---|---|---|---|
| 39 papers | 2,653 citations | 236833 25 h-index | 315616 38 g-index |
| 45 all docs | 45 docs citations | 45 times ranked | 4293 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The role of gut microbiota (commensal bacteria) and the mucosal barrier in the pathogenesis of inflammatory and autoimmune diseases and cancer: contribution of germ-free and gnotobiotic animal models of human diseases. Cellular and Molecular Immunology, 2011, 8, 110-120. | 4.8 | 594 |
| 2 | <i>Lactobacillus plantarum</i> strain maintains growth of infant mice during chronic undernutrition. Science, 2016, 351, 854-857. | 6.0 | 470 |
| 3 | Bifidobacterium longum CCM 7952 Promotes Epithelial Barrier Function and Prevents Acute DSS-Induced Colitis in Strictly Strain-Specific Manner. PLoS ONE, 2015, 10, e0134050. | 1.1 | 140 |
| 4 | Absence of Microbiota (Germ-Free Conditions) Accelerates the Atherosclerosis in ApoE-Deficient Mice Fed Standard Low Cholesterol Diet. Journal of Atherosclerosis and Thrombosis, 2010, 17, 796-804. | 0.9 | 135 |
| 5 | Colonization of germ-free mice with a mixture of three lactobacillus strains enhances the integrity of gut mucosa and ameliorates allergic sensitization. Cellular and Molecular Immunology, 2016, 13, 251-262. | 4.8 | 125 |
| 6 | Faecalibacterium prausnitzii Strain HTF-F and Its Extracellular Polymeric Matrix Attenuate Clinical Parameters in DSS-Induced Colitis. PLoS ONE, 2015, 10, e0123013. | 1.1 | 115 |
| 7 | Drosophila Perpetuates Nutritional Mutualism by Promoting the Fitness of Its Intestinal Symbiont Lactobacillus plantarum. Cell Metabolism, 2018, 27, 362-377.e8. | 7.2 | 114 |
| 8 | Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. Cell Metabolism, 2017, 25, 522-534. | 7.2 | 108 |
| 9 | D-Alanylation of teichoic acids contributes to Lactobacillus plantarum-mediated Drosophila growth during chronic undernutrition. Nature Microbiology, 2017, 2, 1635-1647. | 5.9 | 77 |
| 10 | Reproducible Colonization of Germ-Free Mice With the Oligo-Mouse-Microbiota in Different Animal Facilities. Frontiers in Microbiology, 2019, 10, 2999. | 1.5 | 68 |
| 11 | Bifidobacteria cell wall-derived exo-polysaccharides, lipoteichoic acids, peptidoglycans, polar lipids and proteins â€“ their chemical structure and biological attributes. International Journal of Biological Macromolecules, 2020, 147, 333-349. | 3.6 | 45 |
| 12 | Protective effect of <i>Clostridium tyrobutyricum</i> in acute dextran sodium sulphate-induced colitis: differential regulation of tumour necrosis factor-Î± and interleukin-18 in BALB/c and severe combined immunodeficiency mice. Clinical and Experimental Immunology, 2012, 167, 356-365. | 1.1 | 44 |
| 13 | Neonatal colonization of mice with Lactobacillus plantarum producing the aeroallergen Bet v 1 biases towards Th1 and T-regulatory responses upon systemic sensitization. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 368-375. | 2.7 | 43 |
| 14 | Development of gut inflammation in mice colonized with mucosa-associated bacteria from patients with ulcerative colitis. Gut Pathogens, 2015, 7, 32. | 1.6 | 43 |
| 15 | Germ-Free Mice Exhibit Mast Cells With Impaired Functionality and Gut Homing and Do Not Develop Food Allergy. Frontiers in Immunology, 2019, 10, 205. | 2.2 | 43 |
| 16 | Heat-Induced Structural Changes Affect OVA-Antigen Processing and Reduce Allergic Response in Mouse Model of Food Allergy. PLoS ONE, 2012, 7, e37156. | 1.1 | 42 |
| 17 | Distinct Immunomodulation of Bone Marrow-Derived Dendritic Cell Responses to Lactobacillus plantarum WCFS1 by Two Different Polysaccharides Isolated from Lactobacillus rhamnosus LOCK 0900. Applied and Environmental Microbiology, 2014, 80, 6506-6516. | 1.4 | 41 |
| 18 | Probiotic Lactobacillus strains: in vitro and in vivo studies. Folia Microbiologica, 2009, 54, 533-537. | 1.1 | 40 |

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|---|---|---|---|
| 19 | Gut Microbiota and Host Juvenile Growth. Calcified Tissue International, 2018, 102, 387-405. | 1.5 | 40 |
| 20 | Neonatal colonization of germ-free mice with Bifidobacterium longum prevents allergic sensitization to major birch pollen allergen Bet v 1. Vaccine, 2013, 31, 5405-5412. | 1.7 | 36 |
| 21 | Chemical characterization and immunomodulatory properties of polysaccharides isolated from probiotic<i>Lactobacillus casei</i>LOCK 0919. Glycobiology, 2016, 26, 1014-1024. | 1.3 | 31 |
| 22 | Diet Matters: Endotoxin in the Diet Impacts the Level of Allergic Sensitization in Germ-Free Mice. PLoS ONE, 2017, 12, e0167786. | 1.1 | 30 |
| 23 | Efficiency of PCR-based methods in discriminating Bifidobacterium longum ssp. longum and Bifidobacterium longum ssp. infantis strains of human origin. Journal of Microbiological Methods, 2011, 87, 10-16. | 0.7 | 28 |
| 24 | Overview of in vivo and ex vivo endpoints in murine food allergy models: Suitable for evaluation of the sensitizing capacity of novel proteins?. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 289-301. | 2.7 | 28 |
| 25 | Impact of heat-inactivated Lactobacillus casei and Lactobacillus paracasei strains on cytokine responses in whole blood cell cultures of children with atopic dermatitis. Folia Microbiologica, 2010, 55, 277-280. | 1.1 | 26 |
| 26 | A standardized gnotobiotic mouse model harboring a minimal 15-member mouse gut microbiota recapitulates SOPF/SPF phenotypes. Nature Communications, 2021, 12, 6686. | 5.8 | 23 |
| 27 | 40 YEARS OF IGF1: The emerging connections between IGF1, the intestinal microbiome, Lactobacillus strains and bone growth. Journal of Molecular Endocrinology, 2018, 61, T103-T113. | 1.1 | 21 |
| 28 | Polysaccharides L900/2 and L900/3 isolated from <i>Lactobacillus rhamnosus </i><scp>LOCK</scp> 0900 modulate allergic sensitization to ovalbumin in a mouse model. Microbial Biotechnology, 2017, 10, 586-593. | 2.0 | 17 |
| 29 | Bordetella pertussis filamentous hemagglutinin itself does not trigger anti-inflammatory interleukin-10 production by human dendritic cells. International Journal of Medical Microbiology, 2016, 306, 38-47. | 1.5 | 12 |
| 30 | Gut microbiota. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 179-183. | 1.3 | 12 |
| 31 | Identification of Lactobacillus proteins with different recognition patterns between immune rabbit sera and nonimmune mice or human sera. BMC Microbiology, 2016, 16, 17. | 1.3 | 10 |
| 32 | Viability Status-Dependent Effect of Bifidobacterium longum ssp. longum CCM 7952 on Prevention of Allergic Inflammation in Mouse Model. Frontiers in Immunology, 2021, 12, 707728. | 2.2 | 10 |
| 33 | Immunoreactive Proteins of Bifidobacterium longum ssp. longum CCM 7952 and Bifidobacterium longum ssp. longum CCDM 372 Identified by Gnotobiotic Mono-Colonized Mice Sera, Immune Rabbit Sera and Non-immune Human Sera. Frontiers in Microbiology, 2016, 7, 1537. | 1.5 | 9 |
| 34 | Probiotic from human breast milk, Lactobacillus fermentum, promotes growth in animal model of chronic malnutrition. Pediatric Research, 2020, 88, 374-381. | 1.1 | 7 |
| 35 | The Role of Alveolar Epithelial Type II-Like Cells in Uptake of Structurally Different Antigens and in Polarisation of Local Immune Responses. PLoS ONE, 2015, 10, e0124777. | 1.1 | 6 |
| 36 | Pre- and Neonatal Imprinting on Immunological Homeostasis and Epithelial Barrier Integrity by Escherichia coli Nissle 1917 Prevents Allergic Poly-Sensitization in Mice. Frontiers in Immunology, 2020, 11, 612775. | 2.2 | 5 |

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| --- | --- | --- | --- |
| 37 | Effect of nonpathogenic Escherichia coli monoassociation on small intestinal brush-border glycoconjugate moieties and cytokine production after colonization in ex-germ-free rats and pigs. International Journal of Interferon, Cytokine and Mediator Research, 0, , 73. | 1.1 | 1 |
| 38 | Editorial: Employing Experimental Gnotobiotic Models to Decipher the Host-Microbiota Cross-Talk in Health and Disease. Frontiers in Immunology, 2021, 12, 729052. | 2.2 | 0 |
| 39 | Targeting the Gut Microbiota in Metabolic Disorders and Juvenile Growth. , 2019, , 441-462. | | 0 |