

Andre Bleich

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

4,527
citations

147566

31
h-index

128067

60
g-index

118
all docs

118
docs citations

118
times ranked

6712
citing authors

#	ARTICLE	IF	CITATIONS
1	Probiotic <i>Escherichia coli</i> Nissle 1917 Inhibits Leaky Gut by Enhancing Mucosal Integrity. <i>PLoS ONE</i> , 2007, 2, e1308.	1.1	386
2	Dysbiotic gut microbiota causes transmissible Crohn's disease-like ileitis independent of failure in antimicrobial defence. <i>Gut</i> , 2016, 65, 225-237.	6.1	317
3	<i>Mucispirillum schaedleri</i> Antagonizes <i>Salmonella</i> Virulence to Protect Mice against Colitis. <i>Cell Host and Microbe</i> , 2019, 25, 681-694.e8.	5.1	205
4	A Multihit Model. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 1967-1975.	0.9	196
5	Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. <i>International Journal of Medical Microbiology</i> , 2016, 306, 343-355.	1.5	196
6	Diversification of memory B cells drives the continuous adaptation of secretory antibodies to gut microbiota. <i>Nature Immunology</i> , 2015, 16, 880-888.	7.0	192
7	Animal to human translation: a systematic scoping review of reported concordance rates. <i>Journal of Translational Medicine</i> , 2019, 17, 223.	1.8	170
8	The gut bacterium <i>Extibacter muris</i> produces secondary bile acids and influences liver physiology in gnotobiotic mice. <i>Gut Microbes</i> , 2021, 13, 1-21.	4.3	161
9	Neonatal selection by Toll-like receptor 5 influences long-term gut microbiota composition. <i>Nature</i> , 2018, 560, 489-493.	13.7	153
10	Norovirus Triggered Microbiota-driven Mucosal Inflammation in Interleukin 10-deficient Mice. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 431-443.	0.9	131
11	Comparative evaluation of establishing a human gut microbial community within rodent models. <i>Gut Microbes</i> , 2012, 3, 234-249.	4.3	113
12	Bile acids drive the newborn's gut microbiota maturation. <i>Nature Communications</i> , 2020, 11, 3692.	5.8	100
13	Epithelial calcineurin controls microbiota-dependent intestinal tumor development. <i>Nature Medicine</i> , 2016, 22, 506-515.	15.2	93
14	The Sheep Grimace Scale as an indicator of post-operative distress and pain in laboratory sheep. <i>PLoS ONE</i> , 2017, 12, e0175839.	1.1	92
15	Refined histopathologic scoring system improves power to detect colitis QTL in mice. <i>Mammalian Genome</i> , 2004, 15, 865-871.	1.0	86
16	Assessment of the Intestinal Barrier with Five Different Permeability Tests in Healthy C57BL/6J and BALB/c Mice. <i>Digestive Diseases and Sciences</i> , 2016, 61, 737-746.	1.1	86
17	Biglycan evokes autophagy in macrophages via a novel CD44/Toll-like receptor 4 signaling axis in ischemia/reperfusion injury. <i>Kidney International</i> , 2019, 95, 540-562.	2.6	78
18	Temporally Distinct Functions of the Cytokines IL-12 and IL-23 Drive Chronic Colon Inflammation in Response to Intestinal Barrier Impairment. <i>Immunity</i> , 2019, 51, 367-380.e4.	6.6	76

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19	Neonatally imprinted stromal cell subsets induce tolerogenic dendritic cells in mesenteric lymph nodes. <i>Nature Communications</i> , 2018, 9, 3903.	5.8	69
20	Time to include the gut microbiota in the hygienic standardisation of laboratory rodents. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2012, 35, 81-92.	0.7	68
21	Reproducible Colonization of Germ-Free Mice With the Oligo-Mouse-Microbiota in Different Animal Facilities. <i>Frontiers in Microbiology</i> , 2019, 10, 2999.	1.5	68
22	Defining body-weight reduction as a humane endpoint: a critical appraisal. <i>Laboratory Animals</i> , 2020, 54, 99-110.	0.5	65
23	Parasitic Nematodes Exert Antimicrobial Activity and Benefit From Microbiota-Driven Support for Host Immune Regulation. <i>Frontiers in Immunology</i> , 2018, 9, 2282.	2.2	57
24	Running in the wheel: Defining individual severity levels in mice. <i>PLoS Biology</i> , 2018, 16, e2006159.	2.6	54
25	Strain-specific colitis susceptibility in IL10-deficient mice depends on complex gut microbiota-host interactions. <i>Inflammatory Bowel Diseases</i> , 2012, 18, 943-954.	0.9	45
26	Maintaining and Monitoring the Defined Microbiota Status of Gnotobiotic Rodents. <i>ILAR Journal</i> , 2015, 56, 241-249.	1.8	45
27	CpG Motifs of Bacterial DNA Exert Protective Effects in Mouse Models of IBD by Antigen-Independent Tolerance Induction. <i>Gastroenterology</i> , 2009, 136, 278-287.	0.6	40
28	Composition of the Intestinal Microbiota Determines the Outcome of Virus-Triggered Colitis in Mice. <i>Frontiers in Immunology</i> , 2019, 10, 1708.	2.2	39
29	Software tools for literature screening in systematic reviews in biomedical research. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 508-517.	0.9	39
30	<i>Klebsiella oxytoca</i> : opportunistic infections in laboratory rodents. <i>Laboratory Animals</i> , 2008, 42, 369-375.	0.5	38
31	CAR-T Cells Targeting Epstein-Barr Virus gp350 Validated in a Humanized Mouse Model of EBV Infection and Lymphoproliferative Disease. <i>Molecular Therapy - Oncolytics</i> , 2020, 18, 504-524.	2.0	38
32	Gnotobiotics: Past, present and future. <i>Laboratory Animals</i> , 2019, 53, 232-243.	0.5	36
33	<i>Akkermansia muciniphila</i> strain ATCC BAA-835 does not promote short-term intestinal inflammation in gnotobiotic interleukin-10-deficient mice. <i>Gut Microbes</i> , 2019, 10, 188-203.	4.3	35
34	Dietary cellulose induces anti-inflammatory immunity and transcriptional programs via maturation of the intestinal microbiota. <i>Gut Microbes</i> , 2020, 12, 1829962.	4.3	35
35	Zinc treatment is efficient against <i>Escherichia coli</i> α -haemolysin-induced intestinal leakage in mice. <i>Scientific Reports</i> , 2017, 7, 45649.	1.6	31
36	The Mammalian Microbiome and Its Importance in Laboratory Animal Research. <i>ILAR Journal</i> , 2015, 56, 153-158.	1.8	30

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37	Quantitative Phenotyping of Inflammatory Bowel Disease in the IL-10-deficient Mouse by Use of Noninvasive Magnetic Resonance Imaging. <i>Inflammatory Bowel Diseases</i> , 2013, 19, 185-193.	0.9	29
38	Publication rates in animal research. Extent and characteristics of published and non-published animal studies followed up at two German university medical centres. <i>PLoS ONE</i> , 2019, 14, e0223758.	1.1	29
39	Environment as a Critical Factor for the Pathogenesis and Outcome of Gastrointestinal Disease: Experimental and Human Inflammatory Bowel Disease and <i>Helicobacter</i> -Induced Gastritis. <i>Pathobiology</i> , 2005, 72, 293-307.	1.9	28
40	Cdcs1 a major colitis susceptibility locus in mice; Subcongenic analysis reveals genetic complexity. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 765-775.	0.9	28
41	Macrophage dysfunction initiates colitis during weaning of infant mice lacking the interleukin-10 receptor. <i>ELife</i> , 2017, 6, .	2.8	26
42	Neutrophils prevent rectal bleeding in ulcerative colitis by peptidyl-arginine deiminase-4-dependent immunothrombosis. <i>Gut</i> , 2022, 71, 2414-2429.	6.1	26
43	Where are we heading? Challenges in evidence-based severity assessment. <i>Laboratory Animals</i> , 2020, 54, 50-62.	0.5	25
44	Time to Integrate to Nest Test Evaluation in a Mouse DSS-Colitis Model. <i>PLoS ONE</i> , 2015, 10, e0143824.	1.1	24
45	How can we assess their suffering? German research consortium aims at defining a severity assessment framework for laboratory animals. <i>Laboratory Animals</i> , 2017, 51, 667-667.	0.5	24
46	Disturbed gut microbiota and bile homeostasis in <i>Giardia</i> -infected mice contributes to metabolic dysregulation and growth impairment. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	24
47	Coping with parvovirus infections in mice: health surveillance and control. <i>Laboratory Animals</i> , 2012, 46, 14-23.	0.5	21
48	Development of a multiplex PCR assay based on the 16S-23S rRNA internal transcribed spacer for the detection and identification of rodent Pasteurellaceae. <i>Journal of Microbiological Methods</i> , 2013, 95, 256-261.	0.7	21
49	Environmental Microbial Factors Determine the Pattern of Inflammatory Lesions in a Murine Model of Crohn's Disease-Like Inflammation. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 66-79.	0.9	21
50	Sensitivity to <i>Escherichia coli</i> Nissle 1917 in mice is dependent on environment and genetic background. <i>International Journal of Experimental Pathology</i> , 2008, 89, 45-54.	0.6	20
51	Nest-building performance in rats: impact of vendor, experience, and sex. <i>Laboratory Animals</i> , 2020, 54, 17-25.	0.5	19
52	PD-1 Blockade Aggravates Epstein-Barr Virus+ Post-Transplant Lymphoproliferative Disorder in Humanized Mice Resulting in Central Nervous System Involvement and CD4+ T Cell Dysregulations. <i>Frontiers in Oncology</i> , 2020, 10, 614876.	1.3	19
53	XIAP restrains TNF-driven intestinal inflammation and dysbiosis by promoting innate immune responses of Paneth and dendritic cells. <i>Science Immunology</i> , 2021, 6, eabf7235.	5.6	17
54	Risk Assessment of Minute Virus of Mice Transmission During Rederivation: Detection in Reproductive Organs, Gametes, and Embryos of Mice after In Vivo Infection. <i>Biology of Reproduction</i> , 2009, 81, 1010-1015.	1.2	16

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55	Wheel running behaviour in group-housed female mice indicates disturbed wellbeing due to DSS colitis. <i>Laboratory Animals</i> , 2020, 54, 63-72.	0.5	16
56	Design of composite measure schemes for comparative severity assessment in animal-based neuroscience research: A case study focussed on rat epilepsy models. <i>PLoS ONE</i> , 2020, 15, e0230141.	1.1	16
57	A new model for biofilm formation and inflammatory tissue reaction: intraoperative infection of a cranial implant with <i>Staphylococcus aureus</i> in rats. <i>Acta Neurochirurgica</i> , 2017, 159, 1747-1756.	0.9	15
58	Deficiency in X-linked inhibitor of apoptosis protein promotes susceptibility to microbial triggers of intestinal inflammation. <i>Science Immunology</i> , 2021, 6, eabf7473.	5.6	15
59	Comparing distress of mouse models for liver damage. <i>Scientific Reports</i> , 2020, 10, 19814.	1.6	14
60	Reviewing the animal literature: how to describe and choose between different types of literature reviews. <i>Laboratory Animals</i> , 2021, 55, 129-141.	0.5	14
61	Toward evidence-based severity assessment in mouse models with repeated seizures: I. Electrical kindling. <i>Epilepsy and Behavior</i> , 2021, 115, 107689.	0.9	14
62	Extracting data from graphs: A case study on animal research with implications for meta-analyses. <i>Research Synthesis Methods</i> , 2021, 12, 701-710.	4.2	14
63	Spatiotemporally Skewed Activation of Programmed Cell Death Receptor 1 "Positive T Cells after Epstein-Barr Virus Infection and Tumor Development in Long-Term Fully Humanized Mice. <i>American Journal of Pathology</i> , 2019, 189, 521-539.	1.9	13
64	Grading animal distress and side effects of therapies. <i>Annals of the New York Academy of Sciences</i> , 2020, 1473, 20-34.	1.8	13
65	Severity Assessment in animal based research. <i>Laboratory Animals</i> , 2020, 54, 16-16.	0.5	13
66	A safe bet? Inter-laboratory variability in behaviour-based severity assessment. <i>Laboratory Animals</i> , 2020, 54, 73-82.	0.5	12
67	Measurement of corticosterone in mice: a protocol for a mapping review. <i>Laboratory Animals</i> , 2020, 54, 26-32.	0.5	11
68	Contactless Video-Based Heart Rate Monitoring of a Resting and an Anesthetized Pig. <i>Animals</i> , 2021, 11, 442.	1.0	11
69	Laboratory animals search filter for different literature databases: PubMed, Embase, Web of Science and PsycINFO. <i>Laboratory Animals</i> , 2022, 56, 279-286.	0.5	11
70	Semi-automated generation of pictures for the Mouse Grimace Scale: A multi-laboratory analysis (Part) <i>TJ ETQq0 0 0 rgBT /Overlock 10 T</i>	0.5	10
71	An Approach towards Motion-Tolerant PPG-Based Algorithm for Real-Time Heart Rate Monitoring of Moving Pigs. <i>Sensors</i> , 2020, 20, 4251.	2.1	10
72	Synthetic Microbiomes on the Rise "Application in Deciphering the Role of Microbes in Host Health and Disease. <i>Nutrients</i> , 2021, 13, 4173.	1.7	10

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73	Biocompatibility of silver containing silica films on Bioverit® II middle ear prostheses in rabbits. <i>Journal of Biomaterials Applications</i> , 2015, 30, 17-29.	1.2	9
74	Loss of CD14 leads to disturbed epithelial-B cell crosstalk and impairment of the intestinal barrier after <i>E. coli</i> Nissle monoassociation. <i>Scientific Reports</i> , 2018, 8, 719.	1.6	9
75	Systematic analysis of severity in a widely used cognitive depression model for mice. <i>Laboratory Animals</i> , 2020, 54, 40-49.	0.5	9
76	Body weight algorithm predicts humane endpoint in an intracranial rat glioma model. <i>Scientific Reports</i> , 2020, 10, 9020.	1.6	9
77	A combination of genetics and microbiota influences the severity of the obesity phenotype in diet-induced obesity. <i>Scientific Reports</i> , 2020, 10, 6118.	1.6	9
78	Health Monitoring of Laboratory Rodent Colonies—Talking about (R)evolution. <i>Animals</i> , 2021, 11, 1410.	1.0	9
79	Genetic dissection of granulomatous enterocolitis and arthritis in the intramural peptidoglycan-polysaccharide-treated rat model of IBD. <i>Inflammatory Bowel Diseases</i> , 2009, 15, 1794-1802.	0.9	8
80	Presence of Minute virus of mice in immunocompetent mice despite the onset of host immunity. <i>Veterinary Microbiology</i> , 2010, 146, 51-58.	0.8	8
81	Dietary lipids accumulate in macrophages and stromal cells and change the microarchitecture of mesenteric lymph nodes. <i>Journal of Advanced Research</i> , 2020, 24, 291-300.	4.4	8
82	A Systematic Review Comparing Experimental Design of Animal and Human Methotrexate Efficacy Studies for Rheumatoid Arthritis: Lessons for the Translational Value of Animal Studies. <i>Animals</i> , 2020, 10, 1047.	1.0	8
83	Monitoring and contamination incidence of gnotobiotic experiments performed in microisolator cages. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151482.	1.5	8
84	Remote vitals monitoring in rodents using video recordings. <i>Biomedical Optics Express</i> , 2019, 10, 4422.	1.5	8
85	Monitoring of Heart Rate and Activity Using Telemetry Allows Grading of Experimental Procedures Used in Neuroscientific Rat Models. <i>Frontiers in Neuroscience</i> , 2020, 14, 587760.	1.4	8
86	Porcine model for the study of liver regeneration enhanced by non-invasive ¹³ C-methacetin breath test (LiMAX test) and permanent portal venous access. <i>PLoS ONE</i> , 2019, 14, e0217488.	1.1	7
87	Genetic Deficiency of the Histamine H4-Receptor Reduces Experimental Colorectal Carcinogenesis in Mice. <i>Cancers</i> , 2020, 12, 912.	1.7	7
88	Investigation of Cuprizone Inactivation by Temperature. <i>Neurotoxicity Research</i> , 2017, 31, 570-577.	1.3	6
89	FGF-2 isoforms influence the development of dopaminergic neurons in the murine substantia nigra, but not anxiety-like behavior, stress susceptibility, or locomotor behavior. <i>Behavioural Brain Research</i> , 2019, 374, 112113.	1.2	6
90	One for two: A novel and highly sensitive virulence factor-based quantitative polymerase chain reaction assay for the simultaneous detection of <i>Rodentibacter pneumotropicus</i> and <i>Rodentibacter heyltii</i> in environmental sample material. <i>Laboratory Animals</i> , 2020, 54, 239-250.	0.5	6

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91	CD14 and ALPK1 Affect Expression of Tight Junction Components and Proinflammatory Mediators upon Bacterial Stimulation in a Colonic 3D Organoid Model. <i>Stem Cells International</i> , 2020, 2020, 1-11.	1.2	6
92	Attitudes towards animal study registries and their characteristics: An online survey of three cohorts of animal researchers. <i>PLoS ONE</i> , 2020, 15, e0226443.	1.1	6
93	Automated Home-Cage Monitoring During Acute Experimental Colitis in Mice. <i>Frontiers in Neuroscience</i> , 2021, 15, 760606.	1.4	6
94	Induced dendritic cells co-expressing GM-CSF/IFN- γ /TWT1 priming T and B cells and automated manufacturing to boost GvL. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 621-641.	1.8	5
95	Risk-Based Decision Making: A Systematic Scoping Review of Animal Models and a Pilot Study on the Effects of Sleep Deprivation in Rats. <i>Clocks & Sleep</i> , 2021, 3, 31-52.	0.9	4
96	Lymph Node Stromal Cells From Different Draining Areas Distinctly Regulate the Development of Chronic Intestinal Inflammation. <i>Frontiers in Immunology</i> , 2020, 11, 549473.	2.2	4
97	Transcription Factor SP2 Enhanced the Expression of Cd14 in Colitis-Susceptible C3H/HeJBir. <i>PLoS ONE</i> , 2016, 11, e0155821.	1.1	4
98	A model-specific simplification of the Mouse Grimace Scale based on the pain response of intraperitoneal CCl4 injections. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
99	Establishment of a guided, in vivo, multi-channel, abdominal, tissue imaging approach. <i>Scientific Reports</i> , 2020, 10, 9224.	1.6	3
100	Web-based survey among animal researchers on publication practices and incentives for increasing publication rates. <i>PLoS ONE</i> , 2021, 16, e0250362.	1.1	3
101	In Vivo Lentiviral Gene Delivery of HLA-DR and Vaccination of Humanized Mice for Improving the Human T and B Cell Immune Reconstitution. <i>Biomedicines</i> , 2021, 9, 961.	1.4	3
102	Measuring endogenous corticosterone in laboratory mice - a mapping review, meta-analysis, and open source database. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2021, 38, 111-122.	0.9	3
103	Voluntary wheel running behaviour as a tool to assess the severity in a mouse pancreatic cancer model. <i>PLoS ONE</i> , 2021, 16, e0261662.	1.1	3
104	DOP12 Mutations in the X-linked inhibitor of apoptosis protein promote susceptibility to microbiota-induced intestinal inflammation. <i>Journal of Crohn's and Colitis</i> , 2019, 13, S033-S034.	0.6	2
105	Design of a joint research data platform: A use case for severity assessment. <i>Laboratory Animals</i> , 2020, 54, 33-39.	0.5	2
106	Intestinal Organoids in Colitis Research: Focusing on Variability and Cryopreservation. <i>Stem Cells International</i> , 2021, 2021, 1-15.	1.2	2
107	Investigation of Colonic Regeneration via Precise Damage Application Using Femtosecond Laser-Based Nanosurgery. <i>Cells</i> , 2022, 11, 1143.	1.8	2
108	Development of an In Vivo Model for Eustachian Tube Dysfunction. <i>Bioengineering</i> , 2022, 9, 317.	1.6	2

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109	Alternative methods to replace or reduce animal models in biomedical research. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 141-142.	0.9	1
110	R2N and the use of alternative methods in COVID-19 research. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 683-684.	0.9	1
111	Detection of antibodies against Theiler's murine encephalomyelitis virus GDVII strain in experimental guinea pigs. Laboratory Animals, 2016, 50, 400-403.	0.5	0
112	R2N Science Camp. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 315-316.	0.9	0
113	P059 Diet controls segmented filamentous bacteria in driving Crohn's disease-like inflammation in TNFdeltaARE mice. Journal of Crohn's and Colitis, 2022, 16, i168-i168.	0.6	0
114	Why serology just is not enough: Strategic parvovirus risk assessment using a novel qPCR assay. Laboratory Animals, 2022, , 002367722110628.	0.5	0