Andre Bleich

List of Publications by Year
in descending order

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	Laboratory animals search filter for different literature databases: PubMed, Embase, Web of Science and PsycINFO. Laboratory Animals, 2022, 56, 279-286.	0.5	11
2	Neutrophils prevent rectal bleeding in ulcerative colitis by peptidyl-arginine deiminase-4-dependent immunothrombosis. Gut, 2022, 71, 2414-2429.	6.1	26
3	P059 Diet controls segmented filamentous bacteria in driving Crohnâ€™s disease-like inflammation in TNFdeltaARE mice. Journal of Crohn's and Colitis, 2022, 16, i168-i168.	0.6	0
4	Why serology just is not enough: Strategic parvovirus risk assessment using a novel qPCR assay. Laboratory Animals, 2022, , 002367722110628.	0.5	0
5	Investigation of Colonic Regeneration via Precise Damage Application Using Femtosecond Laser-Based Nanosurgery. Cells, 2022, 11, 1143.	1.8	2
6	A model-specific simplification of the Mouse Grimace Scale based on the pain response of intraperitoneal CCl4 injections. Scientific Reports, 2022, 12, .	1.6	4
7	Development of an In Vivo Model for Eustachian Tube Dysfunction. Bioengineering, 2022, 9, 317.	1.6	2
8	Reviewing the animal literature: how to describe and choose between different types of literature reviews. Laboratory Animals, 2021, 55, 129-141.	0.5	14
9	Risk-Based Decision Making: A Systematic Scoping Review of Animal Models and a Pilot Study on the Effects of Sleep Deprivation in Rats. Clocks & Sleep, 2021, 3, 31-52.	0.9	4
10	Toward evidence-based severity assessment in mouse models with repeated seizures: I. Electrical kindling. Epilepsy and Behavior, 2021, 115, 107689.	0.9	14
11	Contactless Video-Based Heart Rate Monitoring of a Resting and an Anesthetized Pig. Animals, 2021, 11, 442.	1.0	11
12	Extracting data from graphs: A caseâ€study on animal research with implications for metaâ€analyses. Research Synthesis Methods, 2021, 12, 701-710.	4.2	14
13	Monitoring and contamination incidence of gnotobiotic experiments performed in microisolator cages. International Journal of Medical Microbiology, 2021, 311, 151482.	1.5	8
14	Web-based survey among animal researchers on publication practices and incentives for increasing publication rates. PLoS ONE, 2021, 16, e0250362.	1.1	3
15	Health Monitoring of Laboratory Rodent Coloniesâ€”Talking about (R)evolution. Animals, 2021, 11, 1410.	1.0	9
16	Induced dendritic cells co-expressing GM-CSF/IFN-Î±/tWT1 priming T and B cells and automated manufacturing to boost GvL. Molecular Therapy - Methods and Clinical Development, 2021, 21, 621-641.	1.8	5
17	In Vivo Lentiviral Gene Delivery of HLA-DR and Vaccination of Humanized Mice for Improving the Human T and B Cell Immune Reconstitution. Biomedicines, 2021, 9, 961.	1.4	3
18	Intestinal Organoids in Colitis Research: Focusing on Variability and Cryopreservation. Stem Cells International, 2021, 2021, 1-15.	1.2	2

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19	The gut bacterium Extibacter muris produces secondary bile acids and influences liver physiology in gnotobiotic mice. Gut Microbes, 2021, 13, 1-21.	4.3	161
20	Automated Home-Cage Monitoring During Acute Experimental Colitis in Mice. Frontiers in Neuroscience, 2021, 15, 760606.	1.4	6
21	Measuring endogenous corticosterone in laboratory mice - a mapping review, meta-analysis, and open source database. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 111-122.	0.9	3
22	XIAP restrains TNF-driven intestinal inflammation and dysbiosis by promoting innate immune responses of Paneth and dendritic cells. Science Immunology, 2021, 6, eabf7235.	5.6	17
23	Deficiency in X-linked inhibitor of apoptosis protein promotes susceptibility to microbial triggers of intestinal inflammation. Science Immunology, 2021, 6, eabf7473.	5.6	15
24	Synthetic Microbiomes on the Riseâ€"Application in Deciphering the Role of Microbes in Host Health and Disease. Nutrients, 2021, 13, 4173.	1.7	10
25	Voluntary wheel running behaviour as a tool to assess the severity in a mouse pancreatic cancer model. PLoS ONE, 2021, 16, e0261662.	1.1	3
26	Systematic analysis of severity in a widely used cognitive depression model for mice. Laboratory Animals, 2020, 54, 40-49.	0.5	9
27	Environmental Microbial Factors Determine the Pattern of Inflammatory Lesions in a Murine Model of Crohnâ€™s Diseaseâ€“Like Inflammation. Inflammatory Bowel Diseases, 2020, 26, 66-79.	0.9	21
28	One for two: A novel and highly sensitive virulence factor-based quantitative polymerase chain reaction assay for the simultaneous detection of Rodentibacter pneumotropicus and Rodentibacter heylii in environmental sample material. Laboratory Animals, 2020, 54, 239-250.	0.5	6
29	Nest-building performance in rats: impact of vendor, experience, and sex. Laboratory Animals, 2020, 54, 17-25.	0.5	19
30	Design of a joint research data platform: A use case for severity assessment. Laboratory Animals, 2020, 54, 33-39.	0.5	2
31	A safe bet? Inter-laboratory variability in behaviour-based severity assessment. Laboratory Animals, 2020, 54, 73-82.	0.5	12
32	Semi-automated generation of pictures for the Mouse Grimace Scale: A multi-laboratory analysis (Part) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.5	10
33	Wheel running behaviour in group-housed female mice indicates disturbed wellbeing due to DSS colitis. Laboratory Animals, 2020, 54, 63-72.	0.5	16
34	Defining body-weight reduction as a humane endpoint: a critical appraisal. Laboratory Animals, 2020, 54, 99-110.	0.5	65
35	Where are we heading? Challenges in evidence-based severity assessment. Laboratory Animals, 2020, 54, 50-62.	0.5	25
36	Measurement of corticosterone in mice: a protocol for a mapping review. Laboratory Animals, 2020, 54, 26-32.	0.5	11

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37	Disturbed gut microbiota and bile homeostasis in Giardia -infected mice contributes to metabolic dysregulation and growth impairment. Science Translational Medicine, 2020, 12, .	5.8	24
38	Dietary cellulose induces anti-inflammatory immunity and transcriptional programs via maturation of the intestinal microbiota. Gut Microbes, 2020, 12, 1829962.	4.3	35
39	CAR-T Cells Targeting Epstein-Barr Virus gp350 Validated in a Humanized Mouse Model of EBV Infection and Lymphoproliferative Disease. Molecular Therapy - Oncolytics, 2020, 18, 504-524.	2.0	38
40	Establishment of a guided, in vivo, multi-channel, abdominal, tissue imaging approach. Scientific Reports, 2020, 10, 9224.	1.6	3
41	Comparing distress of mouse models for liver damage. Scientific Reports, 2020, 10, 19814.	1.6	14
42	Bile acids drive the newbornâ€™s gut microbiota maturation. Nature Communications, 2020, 11, 3692.	5.8	100
43	An Approach towards Motion-Tolerant PPG-Based Algorithm for Real-Time Heart Rate Monitoring of Moving Pigs. Sensors, 2020, 20, 4251.	2.1	10
44	Dietary lipids accumulate in macrophages and stromal cells and change the microarchitecture of mesenteric lymph nodes. Journal of Advanced Research, 2020, 24, 291-300.	4.4	8
45	Design of composite measure schemes for comparative severity assessment in animal-based neuroscience research: A case study focussed on rat epilepsy models. PLoS ONE, 2020, 15, e0230141.	1.1	16
46	Body weight algorithm predicts humane endpoint in an intracranial rat glioma model. Scientific Reports, 2020, 10, 9020.	1.6	9
47	A Systematic Review Comparing Experimental Design of Animal and Human Methotrexate Efficacy Studies for Rheumatoid Arthritis: Lessons for the Translational Value of Animal Studies. Animals, 2020, 10, 1047.	1.0	8
48	Grading animal distress and side effects of therapies. Annals of the New York Academy of Sciences, 2020, 1473, 20-34.	1.8	13
49	Severity Assessment in animal based research. Laboratory Animals, 2020, 54, 16-16.	0.5	13
50	CD14 and ALPK1 Affect Expression of Tight Junction Components and Proinflammatory Mediators upon Bacterial Stimulation in a Colonic 3D Organoid Model. Stem Cells International, 2020, 2020, 1-11.	1.2	6
51	Attitudes towards animal study registries and their characteristics: An online survey of three cohorts of animal researchers. PLoS ONE, 2020, 15, e0226443.	1.1	6
52	Genetic Deficiency of the Histamine H4-Receptor Reduces Experimental Colorectal Carcinogenesis in Mice. Cancers, 2020, 12, 912.	1.7	7
53	A combination of genetics and microbiota influences the severity of the obesity phenotype in diet-induced obesity. Scientific Reports, 2020, 10, 6118.	1.6	9
54	PD-1 Blockade Aggravates Epsteinâ€“Barr Virus+ Post-Transplant Lymphoproliferative Disorder in Humanized Mice Resulting in Central Nervous System Involvement and CD4+ T Cell Dysregulations. Frontiers in Oncology, 2020, 10, 614876.	1.3	19

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55	Lymph Node Stromal Cells From Different Draining Areas Distinctly Regulate the Development of Chronic Intestinal Inflammation. Frontiers in Immunology, 2020, 11, 549473.	2.2	4
56	R2N Science Camp. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 315-316.	0.9	0
57	Monitoring of Heart Rate and Activity Using Telemetry Allows Grading of Experimental Procedures Used in Neuroscientific Rat Models. Frontiers in Neuroscience, 2020, 14, 587760.	1.4	8
58	R2N and the use of alternative methods in COVID-19 research. ALTEX: Alternatives To Animal Experimentation, 2020, 37, 683-684.	0.9	1
59	FGF-2 isoforms influence the development of dopaminergic neurons in the murine substantia nigra, but not anxiety-like behavior, stress susceptibility, or locomotor behavior. Behavioural Brain Research, 2019, 374, 112113.	1.2	6
60	Animal to human translation: a systematic scoping review of reported concordance rates. Journal of Translational Medicine, 2019, 17, 223.	1.8	170
61	Composition of the Intestinal Microbiota Determines the Outcome of Virus-Triggered Colitis in Mice. Frontiers in Immunology, 2019, 10, 1708.	2.2	39
62	Temporally Distinct Functions of the Cytokines IL-12 and IL-23 Drive Chronic Colon Inflammation in Response to Intestinal Barrier Impairment. Immunity, 2019, 51, 367-380.e4.	6.6	76
63	Biglycan evokes autophagy in macrophages via aÂnovel CD44/Toll-like receptor 4 signaling axisÂinÂischemia/reperfusion injury. Kidney International, 2019, 95, 540-562.	2.6	78
64	Porcine model for the study of liver regeneration enhanced by non-invasive 13C-methacetin breath test (LiMAx test) and permanent portal venous access. PLoS ONE, 2019, 14, e0217488.	1.1	7
65	Gnotobiotics: Past, present and future. Laboratory Animals, 2019, 53, 232-243.	0.5	36
66	Mucispirillum schaedleri Antagonizes Salmonella Virulence to Protect Mice against Colitis. Cell Host and Microbe, 2019, 25, 681-694.e8.	5.1	205
67	DOP12 Mutations in the X-linked inhibitor of apoptosis protein promote susceptibility to microbiota-induced intestinal inflammation. Journal of Crohn's and Colitis, 2019, 13, S033-S034.	0.6	2
68	Publication rates in animal research. Extent and characteristics of published and non-published animal studies followed up at two German university medical centres. PLoS ONE, 2019, 14, e0223758.	1.1	29
69	Spatiotemporally Skewed Activation of Programmed Cell Death Receptor 1â€“Positive TÂCells after Epstein-Barr Virus Infection and Tumor Development in Long-Term Fully Humanized Mice. American Journal of Pathology, 2019, 189, 521-539.	1.9	13
70	Akkermansia muciniphila strain ATCC BAA-835 does not promote short-term intestinal inflammation in gnotobiotic interleukin-10-deficient mice. Gut Microbes, 2019, 10, 188-203.	4.3	35
71	Reproducible Colonization of Germ-Free Mice With the Oligo-Mouse-Microbiota in Different Animal Facilities. Frontiers in Microbiology, 2019, 10, 2999.	1.5	68
72	Remote vitals monitoring in rodents using video recordings. Biomedical Optics Express, 2019, 10, 4422.	1.5	8

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73	Alternative methods to replace or reduce animal models in biomedical research. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 141-142.	0.9	1
74	Software tools for literature screening in systematic reviews in biomedical research. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 508-517.	0.9	39
75	Loss of CD14 leads to disturbed epithelial-B cell crosstalk and impairment of the intestinal barrier after E. coli Nissle monoassociation. Scientific Reports, 2018, 8, 719.	1.6	9
76	Parasitic Nematodes Exert Antimicrobial Activity and Benefit From Microbiota-Driven Support for Host Immune Regulation. Frontiers in Immunology, 2018, 9, 2282.	2.2	57
77	Neonatally imprinted stromal cell subsets induce tolerogenic dendritic cells in mesenteric lymph nodes. Nature Communications, 2018, 9, 3903.	5.8	69
78	Running in the wheel: Defining individual severity levels in mice. PLoS Biology, 2018, 16, e2006159.	2.6	54
79	Neonatal selection by Toll-like receptor 5 influences long-term gut microbiota composition. Nature, 2018, 560, 489-493.	13.7	153
80	Investigation of Cuprizone Inactivation by Temperature. Neurotoxicity Research, 2017, 31, 570-577.	1.3	6
81	Zinc treatment is efficient against Escherichia coli Î±-haemolysin-induced intestinal leakage in mice. Scientific Reports, 2017, 7, 45649.	1.6	31
82	How can we assess their suffering? German research consortium aims at defining a severity assessment framework for laboratory animals. Laboratory Animals, 2017, 51, 667-667.	0.5	24
83	A new model for biofilm formation and inflammatory tissue reaction: intraoperative infection of a cranial implant with Staphylococcus aureus in rats. Acta Neurochirurgica, 2017, 159, 1747-1756.	0.9	15
84	Macrophage dysfunction initiates colitis during weaning of infant mice lacking the interleukin-10 receptor. ELife, 2017, 6, .	2.8	26
85	The Sheep Grimace Scale as an indicator of post-operative distress and pain in laboratory sheep. PLoS ONE, 2017, 12, e0175839.	1.1	92
86	Epithelial calcineurin controls microbiota-dependent intestinal tumor development. Nature Medicine, 2016, 22, 506-515.	15.2	93
87	Analysis of factors contributing to variation in the C57BL/6J fecal microbiota across German animal facilities. International Journal of Medical Microbiology, 2016, 306, 343-355.	1.5	196
88	Detection of antibodies against Theilerâ€™s murine encephalomyelitis virus GDVII strain in experimental guinea pigs. Laboratory Animals, 2016, 50, 400-403.	0.5	0
89	Assessment of the Intestinal Barrier with Five Different Permeability Tests in Healthy C57BL/6J and BALB/cJ Mice. Digestive Diseases and Sciences, 2016, 61, 737-746.	1.1	86
90	Dysbiotic gut microbiota causes transmissible Crohn's disease-like ileitis independent of failure in antimicrobial defence. Gut, 2016, 65, 225-237.	6.1	317

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91	Transcription Factor SP2 Enhanced the Expression of Cd14 in Colitis-Susceptible C3H/HeJBir. PLoS ONE, 2016, 11, e0155821.	1.1	4
92	A Multihit Model. Inflammatory Bowel Diseases, 2015, 21, 1967-1975.	0.9	196
93	Time to Integrate to Nest Test Evaluation in a Mouse DSS-Colitis Model. PLoS ONE, 2015, 10, e0143824.	1.1	24
94	Diversification of memory B cells drives the continuous adaptation of secretory antibodies to gut microbiota. Nature Immunology, 2015, 16, 880-888.	7.0	192
95	Biocompatibility of silver containing silica films on BioveritÂ® II middle ear prostheses in rabbits. Journal of Biomaterials Applications, 2015, 30, 17-29.	1.2	9
96	The Mammalian Microbiome and Its Importance in Laboratory Animal Research. ILAR Journal, 2015, 56, 153-158.	1.8	30
97	Maintaining and Monitoring the Defined Microbiota Status of Gnotobiotic Rodents. ILAR Journal, 2015, 56, 241-249.	1.8	45
98	Norovirus Triggered Microbiota-driven Mucosal Inflammation in Interleukin 10-deficient Mice. Inflammatory Bowel Diseases, 2014, 20, 431-443.	0.9	131
99	Quantitative Phenotyping of Inflammatory Bowel Disease in the IL-10-deficient Mouse by Use of Noninvasive Magnetic Resonance Imaging. Inflammatory Bowel Diseases, 2013, 19, 185-193.	0.9	29
100	Development of a multiplex PCR assay based on the 16Sâ€“23S rRNA internal transcribed spacer for the detection and identification of rodent Pasteurellaceae. Journal of Microbiological Methods, 2013, 95, 256-261.	0.7	21
101	Comparative evaluation of establishing a human gut microbial community within rodent models. Gut Microbes, 2012, 3, 234-249.	4.3	113
102	Coping with parvovirus infections in mice: health surveillance and control. Laboratory Animals, 2012, 46, 14-23.	0.5	21
103	Strain-specific colitis susceptibility in IL10-deficient mice depends on complex gut microbiotaâ€“host interactions. Inflammatory Bowel Diseases, 2012, 18, 943-954.	0.9	45
104	Time to include the gut microbiota in the hygienic standardisation of laboratory rodents. Comparative Immunology, Microbiology and Infectious Diseases, 2012, 35, 81-92.	0.7	68
105	Presence of Minute virus of mice in immunocompetent mice despite the onset of host immunity. Veterinary Microbiology, 2010, 146, 51-58.	0.8	8
106	Cdcs1 a major colitis susceptibility locus in mice; Subcongenic analysis reveals genetic complexity. Inflammatory Bowel Diseases, 2010, 16, 765-775.	0.9	28
107	Risk Assessment of Minute Virus of Mice Transmission During Rederivation: Detection in Reproductive Organs, Gametes, and Embryos of Mice after In Vivo Infection1. Biology of Reproduction, 2009, 81, 1010-1015.	1.2	16
108	Genetic dissection of granulomatous enterocolitis and arthritis in the intramural peptidoglycan-polysaccharide-treated rat model of IBD. Inflammatory Bowel Diseases, 2009, 15, 1794-1802.	0.9	8

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109	CpG Motifs of Bacterial DNA Exert Protective Effects in Mouse Models of IBD by Antigen-Independent Tolerance Induction. Gastroenterology, 2009, 136, 278-287.	0.6	40
110	Sensitivity to Escherichia coli Nissle 1917 in mice is dependent on environment and genetic background. International Journal of Experimental Pathology, 2008, 89, 45-54.	0.6	20
111	Klebsiella oxytoca: opportunistic infections in laboratory rodents. Laboratory Animals, 2008, 42, 369-375.	0.5	38
112	Probiotic Escherichia coli Nissle 1917 Inhibits Leaky Gut by Enhancing Mucosal Integrity. PLoS ONE, 2007, 2, e1308.	1.1	386
113	Environment as a Critical Factor for the Pathogenesis and Outcome of Gastrointestinal Disease: Experimental and Human Inflammatory Bowel Disease and Helicobacter-Induced Gastritis. Pathobiology, 2005, 72, 293-307.	1.9	28
114	Refined histopathologic scoring system improves power todetect colitis QTL in mice. Mammalian Genome, 2004, 15, 865-871.	1.0	86