

Aaron C Ericsson

List of Publications by Year in descending order

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Version: 2024-02-01

93
papers

3,089
citations

218677

26
h-index

182427

51
g-index

96
all docs

96
docs citations

96
times ranked

4955
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Vendor and Genetic Background on the Composition of the Fecal Microbiota of Inbred Mice. PLoS ONE, 2015, 10, e0116704.	2.5	268
2	Changes in the gut microbiome and fermentation products concurrent with enhanced longevity in acarbose-treated mice. BMC Microbiology, 2019, 19, 130.	3.3	218
3	Microbiota and reproducibility of rodent models. Lab Animal, 2017, 46, 114-122.	0.4	186
4	The influence of caging, bedding, and diet on the composition of the microbiota in different regions of the mouse gut. Scientific Reports, 2018, 8, 4065.	3.3	137
5	Lactobacillus plantarum attenuates anxiety-related behavior and protects against stress-induced dysbiosis in adult zebrafish. Scientific Reports, 2016, 6, 33726.	3.3	125
6	A Microbiological Map of the Healthy Equine Gastrointestinal Tract. PLoS ONE, 2016, 11, e0166523.	2.5	118
7	Manipulating the Gut Microbiota: Methods and Challenges: Figure 1. ILAR Journal, 2015, 56, 205-217.	1.8	114
8	Microbial modulation of behavior and stress responses in zebrafish larvae. Behavioural Brain Research, 2016, 311, 219-227.	2.2	113
9	Comparative Evaluation of DNA Extraction Methods from Feces of Multiple Host Species for Downstream Next-Generation Sequencing. PLoS ONE, 2015, 10, e0143334.	2.5	112
10	Engraftment of human iPS cells and allogeneic porcine cells into pigs with inactivated <i>RAG2</i> and accompanying severe combined immunodeficiency. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7260-7265.	7.1	99
11	Segmented filamentous bacteria: commensal microbes with potential effects on research. Comparative Medicine, 2014, 64, 90-8.	1.0	82
12	A brief history of animal modeling. Missouri Medicine, 2013, 110, 201-5.	0.3	76
13	Function of Macrophages in Disease: Current Understanding on Molecular Mechanisms. Frontiers in Immunology, 2021, 12, 620510.	4.8	65
14	Variable Colonization after Reciprocal Fecal Microbiota Transfer between Mice with Low and High Richness Microbiota. Frontiers in Microbiology, 2017, 8, 196.	3.5	64
15	Composition and Predicted Metabolic Capacity of Upper and Lower Airway Microbiota of Healthy Dogs in Relation to the Fecal Microbiota. PLoS ONE, 2016, 11, e0154646.	2.5	58
16	Dynamic changes of the respiratory microbiota and its relationship to fecal and blood microbiota in healthy young cats. PLoS ONE, 2017, 12, e0173818.	2.5	57
17	Differential susceptibility to colorectal cancer due to naturally occurring gut microbiota. Oncotarget, 2015, 6, 33689-33704.	1.8	57
18	Differing Complex Microbiota Alter Disease Severity of the IL-10 ^{-/-} Mouse Model of Inflammatory Bowel Disease. Frontiers in Microbiology, 2017, 8, 792.	3.5	56

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19	Acclimation and Institutionalization of the Mouse Microbiota Following Transportation. <i>Frontiers in Microbiology</i> , 2018, 9, 1085.	3.5	55
20	Antimicrobial Peptides: Potential Application in Liver Cancer. <i>Frontiers in Microbiology</i> , 2019, 10, 1257.	3.5	55
21	TNFR2 Deficiency Acts in Concert with Gut Microbiota To Precipitate Spontaneous Sex-Biased Central Nervous System Demyelinating Autoimmune Disease. <i>Journal of Immunology</i> , 2015, 195, 4668-4684.	0.8	53
22	Fecal microbiota transplantation from mice exposed to chronic intermittent hypoxia elicits sleep disturbances in naïve mice. <i>Experimental Neurology</i> , 2020, 334, 113439.	4.1	48
23	Characterization of the urinary microbiome in healthy dogs. <i>PLoS ONE</i> , 2017, 12, e0177783.	2.5	43
24	Circulating exosomes and gut microbiome induced insulin resistance in mice exposed to intermittent hypoxia: Effects of physical activity. <i>EBioMedicine</i> , 2021, 64, 103208.	6.1	35
25	The gut microbiome of laboratory mice: considerations and best practices for translational research. <i>Mammalian Genome</i> , 2021, 32, 239-250.	2.2	35
26	The Potential Gut Microbiota-Mediated Treatment Options for Liver Cancer. <i>Frontiers in Oncology</i> , 2020, 10, 524205.	2.8	31
27	Effects of water decontamination methods and bedding material on the gut microbiota. <i>PLoS ONE</i> , 2018, 13, e0198305.	2.5	30
28	Development of outbred CD1 mouse colonies with distinct standardized gut microbiota profiles for use in complex microbiota targeted studies. <i>Scientific Reports</i> , 2018, 8, 10107.	3.3	30
29	Doxycycline induces dysbiosis in female C57BL/6NcrJ mice. <i>BMC Research Notes</i> , 2017, 10, 644.	1.4	29
30	Noninvasive Detection of Inflammation-Associated Colon Cancer in a Mouse Model. <i>Neoplasia</i> , 2010, 12, 1054-1065.	5.3	27
31	Oral Probiotics Alter Healthy Feline Respiratory Microbiota. <i>Frontiers in Microbiology</i> , 2017, 8, 1287.	3.5	25
32	Urinary-Type Plasminogen Activator Receptor/β1 Integrin Signaling, Altered Gene Expression, and Oral Tumor Progression. <i>Molecular Cancer Research</i> , 2010, 8, 145-158.	3.4	23
33	Influence of PCR cycle number on 16S rRNA gene amplicon sequencing of low biomass samples. <i>Journal of Microbiological Methods</i> , 2020, 176, 106033.	1.6	23
34	Host resistance to <i>Bacillus thuringiensis</i> is linked to altered bacterial community within a specialist insect herbivore. <i>Molecular Ecology</i> , 2021, 30, 5438-5453.	3.9	23
35	Exoelectrogenic capacity of host microbiota predicts lymphocyte recruitment to the gut. <i>Physiological Genomics</i> , 2015, 47, 243-252.	2.3	21
36	Consideration of Gut Microbiome in Murine Models of Diseases. <i>Microorganisms</i> , 2021, 9, 1062.	3.6	21

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37	The effect of omeprazole on the development of experimental autoimmune encephalomyelitis in C57BL/6J and SJL/J mice. <i>BMC Research Notes</i> , 2014, 7, 605.	1.4	19
38	Sex determines effect of physical activity on diet preference: Association of striatal opioids and gut microbiota composition. <i>Behavioural Brain Research</i> , 2017, 334, 16-25.	2.2	19
39	Applications of the FIV Model to Study HIV Pathogenesis. <i>Viruses</i> , 2018, 10, 206.	3.3	19
40	Metabolic Defects Caused by High-Fat Diet Modify Disease Risk through Inflammatory and Amyloidogenic Pathways in a Mouse Model of Alzheimer's Disease. <i>Nutrients</i> , 2020, 12, 2977.	4.1	18
41	Dysbiosis and Intestinal Barrier Dysfunction in Pediatric Congenital Heart Disease Is Exacerbated Following Cardiopulmonary Bypass. <i>JACC Basic To Translational Science</i> , 2021, 6, 311-327.	4.1	18
42	Vaccinating with conserved Escherichia coli antigens does not alter the mouse intestinal microbiome. <i>BMC Research Notes</i> , 2016, 9, 401.	1.4	16
43	The use of non-rodent model species in microbiota studies. <i>Laboratory Animals</i> , 2019, 53, 259-270.	1.0	15
44	Supplier-origin mouse microbiomes significantly influence locomotor and anxiety-related behavior, body morphology, and metabolism. <i>Communications Biology</i> , 2021, 4, 716.	4.4	15
45	Evaluation of Fecal Microbiota Transfer as Treatment for Postweaning Diarrhea in Research-Colony Puppies. <i>Journal of the American Association for Laboratory Animal Science</i> , 2016, 55, 582-7.	1.2	15
46	Isolation of segmented filamentous bacteria from complex gut microbiota. <i>BioTechniques</i> , 2015, 59, 94-8.	1.8	14
47	Respiratory Dysbiosis in Canine Bacterial Pneumonia: Standard Culture vs. Microbiome Sequencing. <i>Frontiers in Veterinary Science</i> , 2019, 6, 354.	2.2	14
48	Vasoactive Intestinal Peptide Deficiency Is Associated With Altered Gut Microbiota Communities in Male and Female C57BL/6 Mice. <i>Frontiers in Microbiology</i> , 2019, 10, 2689.	3.5	14
49	Gastric microbiome in horses with and without equine glandular gastric disease. <i>Journal of Veterinary Internal Medicine</i> , 2021, 35, 2458-2464.	1.6	14
50	β -carotene improves fecal dysbiosis and intestinal dysfunctions in a mouse model of vitamin A deficiency. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159122.	2.4	14
51	Effects of Intraoperative Vagal Nerve Stimulation on the Gastrointestinal Microbiome in a Mouse Model of Amyotrophic Lateral Sclerosis. <i>Comparative Medicine</i> , 2018, 68, 452-460.	1.0	13
52	Concurrent and long-term associations between the endometrial microbiota and endometrial transcriptome in postpartum dairy cows. <i>BMC Genomics</i> , 2019, 20, 405.	2.8	13
53	Impact of vitamin A transport and storage on intestinal retinoid homeostasis and functions. <i>Journal of Lipid Research</i> , 2021, 62, 100046.	4.2	13
54	Veterinary ocular microbiome: Lessons learned beyond the culture. <i>Veterinary Ophthalmology</i> , 2019, 22, 716-725.	1.0	12

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55	16S rRNA amplicon sequencing dataset for conventionalized and conventionally raised zebrafish larvae. <i>Data in Brief</i> , 2016, 8, 938-943.	1.0	11
56	Obstructive Lymphangitis Precedes Colitis in Murine Norovirusâ€“Infected Stat1-Deficient Mice. <i>American Journal of Pathology</i> , 2018, 188, 1536-1554.	3.8	11
57	Survey of bacteria associated with western corn rootworm life stages reveals no difference between insects reared in different soils. <i>Scientific Reports</i> , 2019, 9, 15332.	3.3	11
58	Evaluation of Healthy Canine Conjunctival, Periocular Haired Skin, and Nasal Microbiota Compared to Conjunctival Culture. <i>Frontiers in Veterinary Science</i> , 2020, 7, 558.	2.2	11
59	Calorie restriction prevents age-related changes in the intestinal microbiota. <i>Aging</i> , 2021, 13, 6298-6329.	3.1	11
60	Complex Microbiota in Laboratory Rodents: Management Considerations. <i>ILAR Journal</i> , 2019, 60, 289-297.	1.8	10
61	Acute and long-term effects of antibiotics commonly used in laboratory animal medicine on the fecal microbiota. <i>Veterinary Research</i> , 2020, 51, 116.	3.0	10
62	Modeling a Superorganism - Considerations Regarding the Use of "Dirty" Mice in Biomedical Researchâ€“. <i>Yale Journal of Biology and Medicine</i> , 2017, 90, 361-371.	0.2	10
63	OCULAR FINDINGS AND SELECT OPHTHALMIC DIAGNOSTIC TESTS IN CAPTIVE AMERICAN WHITE PELICANS (<i>PELECANUS ERYTHRORHYNCHOS</i>). <i>Journal of Zoo and Wildlife Medicine</i> , 2017, 48, 675-682.	0.6	9
64	Continuous requirement of ErbB2 kinase activity for loss of cell polarity and lumen formation in a novel ErbB2/Neu-driven murine cell line model of metastatic breast cancer. <i>Journal of Carcinogenesis</i> , 2011, 10, 29.	2.5	9
65	Altering Early Life Gut Microbiota Has Long-Term Effect on Immune System and Hypertension in Spontaneously Hypertensive Rats. <i>Frontiers in Physiology</i> , 2021, 12, 752924.	2.8	8
66	Effects of Fenbendazole-impregnated Feed and Topical Moxidectin during Quarantine on the Gut Microbiota of C57BL/6 Mice. <i>Journal of the American Association for Laboratory Animal Science</i> , 2018, 57, 229-235.	1.2	8
67	Lower systemic inflammation is associated with gut firmicutes dominance and reduced liver injury in a novel ambulatory model of parenteral nutrition. <i>Annals of Medicine</i> , 2022, 54, 1701-1713.	3.8	8
68	Degradation of Veterinary Antibiotics in Swine Manure via Anaerobic Digestion. <i>Bioengineering</i> , 2020, 7, 123.	3.5	7
69	Respiratory dysbiosis and population-wide temporal dynamics in canine chronic bronchitis and non-inflammatory respiratory disease. <i>PLoS ONE</i> , 2020, 15, e0228085.	2.5	6
70	Reduced housing density improves statistical power of murine gut microbiota studies. <i>Cell Reports</i> , 2022, 39, 110783.	6.4	6
71	Interactions of Segmented Filamentous Bacteria (<i>Candidatus Savagella</i>) and bacterial drivers in colitis-associated colorectal cancer development. <i>PLoS ONE</i> , 2020, 15, e0236595.	2.5	5
72	Bronchopulmonary dysplasia: a crime of opportunity?. <i>European Respiratory Journal</i> , 2020, 55, 2000551.	6.7	5

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73	The Influence of Diet Change and Oral Metformin on Blood Glucose Regulation and the Fecal Microbiota of Healthy Horses. <i>Animals</i> , 2021, 11, 976.	2.3	5
74	Molecular and culture-based assessment of the microbiome in a zebrafish (<i>Danio rerio</i>) housing system during set-up and equilibration. <i>Animal Microbiome</i> , 2021, 3, 55.	3.8	5
75	Characterization of the Eukaryotic Virome of Mice from Different Sources. <i>Microorganisms</i> , 2021, 9, 2064.	3.6	5
76	A longitudinal investigation of the effects of age, dietary fiber type and level, and injectable antimicrobials on the fecal microbiome and antimicrobial resistance of finisher pigs. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	5
77	Monocarboxylate Transporter-2 Expression Restricts Tumor Growth in a Murine Model of Lung Cancer: A Multi-Omic Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10616.	4.1	4
78	Effects of <i>Giardia lamblia</i> Colonization and Fenbendazole Treatment on Canine Fecal Microbiota. <i>Journal of the American Association for Laboratory Animal Science</i> , 2020, , .	1.2	4
79	Nontargeted fecal metabolomics: an emerging tool to probe the role of the gut microbiome in host health. <i>Bioanalysis</i> , 2020, 12, 351-353.	1.5	3
80	Chlorhexidine gluconate does not result in epidermal microbiota dysbiosis in healthy adults. <i>American Journal of Infection Control</i> , 2021, 49, 769-774.	2.3	3
81	Exodontia associated bacteremia in horses characterized by next generation sequencing. <i>Scientific Reports</i> , 2021, 11, 6314.	3.3	3
82	Effect of Housing Condition and Diet on the Gut Microbiota of Weanling Immunocompromised Mice. <i>Comparative Medicine</i> , 2021, 71, 485-491.	1.0	3
83	Utility of a portable desiccant system for preservation of fecal samples for downstream 16S rRNA amplicon sequencing. <i>Journal of Microbiological Methods</i> , 2018, 146, 1-6.	1.6	2
84	The Effects of Ketamine on the Gut Microbiome on CD1 Mice. <i>Comparative Medicine</i> , 2021, 71, 295-301.	1.0	1
85	Characterization of the Rat Gut Microbiota via 16S rRNA Amplicon Library Sequencing. <i>Methods in Molecular Biology</i> , 2019, 2018, 195-212.	0.9	0
86	The Effect of Common Viral Inactivation Techniques on 16S rRNA Amplicon-Based Analysis of the Gut Microbiota. <i>Microorganisms</i> , 2021, 9, 1755.	3.6	0
87	Abstract 2880: Modulating disease susceptibility in a model of human colon cancer by microbiome rederivation. , 2015, , .		0
88	Early Postnatal Gut Microbiota Determines SHR Hypertension. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
89	355 The Gut Microbiome and its Influence on Cognition and Mental Health: from Zebrafish to Horses. <i>Journal of Animal Science</i> , 2020, 98, 92-93.	0.5	0
90	Title is missing!. , 2020, 15, e0236595.		0

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91	Title is missing!. , 2020, 15, e0236595.		0
92	Title is missing!. , 2020, 15, e0236595.		0
93	Title is missing!. , 2020, 15, e0236595.		0