Charles E Robertson

List of Publications by Year
in descending order

72 papers	5,584 citations	147801 31 h-index	91884 69 g-index
73 all docs	73 docs citations	73 times ranked	9686 citing authors

#	Article	IF	Citations
1	Sex Differences in the Gut Microbiome Drive Hormone-Dependent Regulation of Autoimmunity. Science, 2013, 339, 1084-1088.	12.6	1,565
2	Disease phenotype and genotype are associated with shifts in intestinal-associated microbiota in inflammatory bowel diseases. Inflammatory Bowel Diseases, 2011, 17, 179-184.	1.9	505
3	Explicet: graphical user interface software for metadata-driven management, analysis and visualization of microbiome data. Bioinformatics, 2013, 29, 3100-3101.	4.1	261
4	Alterations in Intestinal Microbiota Correlate With Susceptibility to Type 1 Diabetes. Diabetes, 2015, 64, 3510-3520.	0.6	246
5	Airway microbiota across age and disease spectrum in cystic fibrosis. European Respiratory Journal, 2017, 50, 1700832.	6.7	193
6	The Microbiome of the Middle Meatus in Healthy Adults. PLoS ONE, 2013, 8, e85507.	2.5	177
7	Comparison of Fecal Microbiota in Children with Autism Spectrum Disorders and Neurotypical Siblings in the Simons Simplex Collection. PLoS ONE, 2015, 10, e0137725.	2.5	173
8	Sinus microbiota varies among chronic rhinosinusitis phenotypes and predicts surgical outcome. Journal of Allergy and Clinical Immunology, 2015, 136, 334-342.e1.	2.9	158
9	On the Use of Diversity Measures in Longitudinal Sequencing Studies of Microbial Communities. Frontiers in Microbiology, 2018, 9, 1037.	3.5	135
10	Assessment of Airway Microbiota and Inflammation in Cystic Fibrosis Using Multiple Sampling Methods. Annals of the American Thoracic Society, 2015, 12, 221-229.	3.2	128
11	Modulation of Inflammatory Arthritis in Mice by Gut Microbiota Through Mucosal Inflammation and Autoantibody Generation. Arthritis and Rheumatology, 2018, 70, 1220-1233.	5.6	126
12	Phylogenetic diversity and ecology of environmental Archaea. Current Opinion in Microbiology, 2005, 8, 638-642.	5.1	120
13	Changes in Airway Microbiome and Inflammation with Ivacaftor Treatment in Patients with Cystic Fibrosis and the G551D Mutation. Annals of the American Thoracic Society, 2020, 17, 212-220.	3.2	113
14	Culture-Independent Analysis of Aerosol Microbiology in a Metropolitan Subway System. Applied and Environmental Microbiology, 2013, 79, 3485-3493.	3.1	109
15	Molecular analysis of point-of-use municipal drinking water microbiology. Water Research, 2014, 49, 225-235.	11.3	107
16	Diversity and Stratification of Archaea in a Hypersaline Microbial Mat. Applied and Environmental Microbiology, 2009, 75, 1801-1810.	3.1	102
17	Prevention of Virus-Induced Type 1 Diabetes with Antibiotic Therapy. Journal of Immunology, 2012, 189, 3805-3814.	0.8	97
18	Obese Adolescents With PCOS Have Altered Biodiversity and Relative Abundance in Gastrointestinal Microbiota. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e2134-e2144.	3.6	83

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19	Microbial diversity in a Venezuelan orthoquartzite cave is dominated by the Chloroflexi (Class) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.5	72
20	Factors Influencing Bacterial Diversity and Community Composition in Municipal Drinking Waters in the Ohio River Basin, USA. PLoS ONE, 2016, 11, e0157966.	2.5	70
21	Specific Microbiome Changes in a Mouse Model of Parenteral Nutrition Associated Liver Injury and Intestinal Inflammation. PLoS ONE, 2014, 9, e110396.	2.5	64
22	Airway Microbial Community Turnover Differs by BPD Severity in Ventilated Preterm Infants. PLoS ONE, 2017, 12, e0170120.	2.5	62
23	Airway Microbiota in Bronchoalveolar Lavage Fluid from Clinically Well Infants with Cystic Fibrosis. PLoS ONE, 2016, 11, e0167649.	2.5	53
24	Longitudinal and Source-to-Tap New Orleans, LA, U.S.A. Drinking Water Microbiology. Environmental Science & Technology, 2017, 51, 4220-4229.	10.0	48
25	Altered Interactions between the Gut Microbiome and Colonic Mucosa Precede Polyposis in APCMin/+ Mice. PLoS ONE, 2015, 10, e0127985.	2.5	48
26	Maternal treatment with short-chain fatty acids modulates the intestinal microbiota and immunity and ameliorates type 1 diabetes in the offspring. PLoS ONE, 2017, 12, e0183786.	2.5	46
27	Perilipin-2 Modulates Lipid Absorption and Microbiome Responses in the Mouse Intestine. PLoS ONE, 2015, 10, e0131944.	2.5	43
28	Investigation of sinonasal microbiome spatial organization in chronic rhinosinusitis. International Forum of Allergy and Rhinology, 2017, 7, 16-23.	2.8	43
29	Gestational Diabetes Is Uniquely Associated With Altered Early Seeding of the Infant Gut Microbiota. Frontiers in Endocrinology, 2020, 11, 603021.	3.5	41
30	Functional intraepithelial lymphocyte changes in inflammatory bowel disease and spondyloarthritis have disease specific correlations with intestinal microbiota. Arthritis Research and Therapy, 2018, 20, 149.	3.5	39
31	Bile acid sequestration reverses liver injury and prevents progression of nonalcoholic steatohepatitis in Western dietâ€“fed mice. Journal of Biological Chemistry, 2020, 295, 4733-4747.	3.4	37
32	Succession of toxicity and microbiota in hydraulic fracturing flowback and produced water in the Denverâ€“Julesburg Basin. Science of the Total Environment, 2018, 644, 183-192.	8.0	35
33	Microbial aerosol liberation from soiled textiles isolated during routine residuals handling in a modern health care setting. Microbiome, 2015, 3, 72.	11.1	33
34	Muc5ac Expression Protects the Colonic Barrier in Experimental Colitis. Inflammatory Bowel Diseases, 2020, 26, 1353-1367.	1.9	30
35	Oral vitamin B₁₂ supplement is delivered to the distal gut, altering the corrinoid profile and selectively depleting Bacteroides in C57BL/6 mice. Gut Microbes, 2019, 10, 654-662.	9.8	28
36	Advanced Age Impairs Intestinal Antimicrobial Peptide Response and Worsens Fecal Microbiome Dysbiosis Following Burn Injury in Mice. Shock, 2020, 53, 71-77.	2.1	24

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37	Novosphingobium and Its Potential Role in Chronic Obstructive Pulmonary Diseases: Insights from Microbiome Studies. PLoS ONE, 2014, 9, e111150.	2.5	23
38	Among older adults, age-related changes in the stool microbiome differ by HIV-1 serostatus. EBioMedicine, 2019, 40, 583-594.	6.1	23
39	Evaluation of bloodstream infections, Clostridium difficile infections, and gut microbiota in pediatric oncology patients. PLoS ONE, 2018, 13, e0191232.	2.5	22
40	Purifying the Impure: Sequencing Metagenomes and Metatranscriptomes from Complex Animal-associated Samples. Journal of Visualized Experiments, 2014, , .	0.3	21
41	Determinants of the Nasal Microbiome: Pilot Study of Effects of Intranasal Medication Use. Allergy and Rhinology, 2018, 9, 215265671878951.	1.6	21
42	Altered tissue specialized pro-resolving mediators in chronic rhinosinusitis. Prostaglandins Leukotrienes and Essential Fatty Acids, 2021, 164, 102218.	2.2	18
43	Effect of monochloramine treatment on the microbial ecology of Legionella and associated bacterial populations in a hospital hot water system. Systematic and Applied Microbiology, 2015, 38, 198-205.	2.8	17
44	Different Gut Microbial Profiles in Sub-Saharan African and South Asian Women of Childbearing Age Are Primarily Associated With Dietary Intakes. Frontiers in Microbiology, 2019, 10, 1848.	3.5	16
45	Temporal airway microbiome changes related to ventilator-associated pneumonia in children. European Respiratory Journal, 2021, 57, 2001829.	6.7	16
46	An exercise intervention alters stool microbiota and metabolites among older, sedentary adults. Therapeutic Advances in Infectious Disease, 2021, 8, 204993612110270.	1.8	16
47	Molecular Identification of Staphylococcus aureus in Airway Samples from Children with Cystic Fibrosis. PLoS ONE, 2016, 11, e0147643.	2.5	15
48	Otitis media susceptibility and shifts in the head and neck microbiome due to SPINK5 variants. Journal of Medical Genetics, 2021, 58, 442-452.	3.2	14
49	Hepatic steatosis relates to gastrointestinal microbiota changes in obese girls with polycystic ovary syndrome. PLoS ONE, 2021, 16, e0245219.	2.5	14
50	Influence of Crohnâ€™s disease related polymorphisms in innate immune function on ileal microbiome. PLoS ONE, 2019, 14, e0213108.	2.5	13
51	Airway microbiome and responses to corticosteroids in corticosteroid-resistant asthma patients treated with acid suppression medications. Journal of Allergy and Clinical Immunology, 2017, 140, 860-862.e1.	2.9	11
52	The Acute Influence of Acid Suppression with Esomeprazole on Gastrointestinal Microbiota and Brain Gene Expression Profiles in a Murine Model of Restraint Stress. Neuroscience, 2019, 398, 206-217.	2.3	11
53	Divergence of bacterial communities in the lower airways of CF patients in early childhood. PLoS ONE, 2021, 16, e0257838.	2.5	11
54	Randomized, Placebo-Controlled Trial of Rifaximin Therapy for Lowering Gut-Derived Cardiovascular Toxins and Inflammation in CKD. Kidney360, 2020, 1, 1206-1216.	2.1	10

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55	Molecular analysis of single room humidifier bacteriology. Water Research, 2015, 69, 318-327.	11.3	9
56	Crohnâ€™s Disease Differentially Affects Region-Specific Composition and Aerotolerance Profiles of Mucosally Adherent Bacteria. Inflammatory Bowel Diseases, 2020, 26, 1843-1855.	1.9	9
57	Implication of the intestinal microbiome as a potential surrogate marker of immune responsiveness to experimental therapies in autoimmune diabetes. PLoS ONE, 2017, 12, e0173968.	2.5	7
58	Microbial and Biogeochemical Indicators of Methane in Groundwater Aquifers of the Denver Basin, Colorado. Environmental Science & Technology, 2021, 55, 292-303.	10.0	7
59	Electron Microscopy of Archaea. Methods in Cell Biology, 2007, 79, 169-191.	1.1	6
60	Molecular Analysis of Bacterial and Circovirus Bioaerosols in Concentrated Animal Feeding Operations. Aerosol Science and Technology, 2013, 47, 755-766.	3.1	6
61	Impact of enzymatic digestion on bacterial community composition in CF airway samples. PeerJ, 2017, 5, e3362.	2.0	6
62	The FUT2 Variant c.461G>A (p.Trp154*) Is Associated With Differentially Expressed Genes and Nasopharyngeal Microbiota Shifts in Patients With Otitis Media. Frontiers in Cellular and Infection Microbiology, 2021, 11, 798246.	3.9	6
63	A Unique Gut Microbiomeâ€“Physical Function Axis Exists in Older People with HIV: An Exploratory Study. AIDS Research and Human Retroviruses, 2021, 37, 542-550.	1.1	4
64	Impact of preoperative antibiotics and other variables on integrated microbiome-host transcriptomic data generated from colorectal cancer resections. World Journal of Gastroenterology, 2021, 27, 1465-1482.	3.3	4
65	Prenatal complications are associated with the postnatal airway host response and microbiota in intubated preterm infants. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 1499-1506.	1.5	3
66	Microbiota Associated With Cholesteatoma Tissue in Chronic Suppurative Otitis Media. Frontiers in Cellular and Infection Microbiology, 2022, 12, 746428.	3.9	3
67	Modified PCR protocol to increase sensitivity for determination of bacterial community composition. Microbiome, 2021, 9, 90.	11.1	2
68	Specialized pro-resolving mediator lipidome and 16S rRNA bacterial microbiome data associated with human chronic rhinosinusitis. Data in Brief, 2021, 36, 107023.	1.0	2
69	Combined Oral Contraceptive Treatment Does Not Alter the Gut Microbiome but Affects Amino Acid Metabolism in Sera of Obese Girls With Polycystic Ovary Syndrome. Frontiers in Physiology, 0, 13, .	2.8	2
70	Cluster analysis of genome-wide expression differences in disease-unaffected ileal mucosa in inflammatory bowel diseases. , 2011, , .		1
71	Human Milk Leptin, Insulin and N6/N3 Fatty Acids are associated with Early Differences in Gut Microbiome of Infants Born to Normal Weight and Obese Mothers. FASEB Journal, 2015, 29, 121.1.	0.5	1
72	Combined Oral Contraceptive Treatment Does Not Alter the Gut Microbiome or Serum Metabolomic Profile in Obese Girls with Polycystic Ovary Syndrome. Journal of the Endocrine Society, 2021, 5, A711-A712.	0.2	0