

Charles E Robertson

List of Publications by Year in descending order

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72
papers

5,584
citations

147726

31
h-index

91828

69
g-index

73
all docs

73
docs citations

73
times ranked

9686
citing authors

#	ARTICLE	IF	CITATIONS
1	Microbiota Associated With Cholesteatoma Tissue in Chronic Suppurative Otitis Media. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 746428.	1.8	3
2	Otitis media susceptibility and shifts in the head and neck microbiome due to <i>SPINK5</i> variants. <i>Journal of Medical Genetics</i> , 2021, 58, 442-452.	1.5	14
3	Temporal airway microbiome changes related to ventilator-associated pneumonia in children. <i>European Respiratory Journal</i> , 2021, 57, 2001829.	3.1	16
4	Altered tissue specialized pro-resolving mediators in chronic rhinosinusitis. Prostaglandins Leukotrienes and Essential Fatty Acids, 2021, 164, 102218.	1.0	18
5	A Unique Gut Microbiome—Physical Function Axis Exists in Older People with HIV: An Exploratory Study. <i>AIDS Research and Human Retroviruses</i> , 2021, 37, 542-550.	0.5	4
6	Modified PCR protocol to increase sensitivity for determination of bacterial community composition. <i>Microbiome</i> , 2021, 9, 90.	4.9	2
7	Impact of preoperative antibiotics and other variables on integrated microbiome-host transcriptomic data generated from colorectal cancer resections. <i>World Journal of Gastroenterology</i> , 2021, 27, 1465-1482.	1.4	4
8	Combined Oral Contraceptive Treatment Does Not Alter the Gut Microbiome or Serum Metabolomic Profile in Obese Girls with Polycystic Ovary Syndrome. <i>Journal of the Endocrine Society</i> , 2021, 5, A711-A712.	0.1	0
9	Specialized pro-resolving mediator lipidome and 16S rRNA bacterial microbiome data associated with human chronic rhinosinusitis. <i>Data in Brief</i> , 2021, 36, 107023.	0.5	2
10	An exercise intervention alters stool microbiota and metabolites among older, sedentary adults. <i>Therapeutic Advances in Infectious Disease</i> , 2021, 8, 204993612110270.	1.1	16
11	Hepatic steatosis relates to gastrointestinal microbiota changes in obese girls with polycystic ovary syndrome. <i>PLoS ONE</i> , 2021, 16, e0245219.	1.1	14
12	Divergence of bacterial communities in the lower airways of CF patients in early childhood. <i>PLoS ONE</i> , 2021, 16, e0257838.	1.1	11
13	Microbial and Biogeochemical Indicators of Methane in Groundwater Aquifers of the Denver Basin, Colorado. <i>Environmental Science & Technology</i> , 2021, 55, 292-303.	4.6	7
14	The FUT2 Variant c.461G>A (p.Trp154*) Is Associated With Differentially Expressed Genes and Nasopharyngeal Microbiota Shifts in Patients With Otitis Media. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 798246.	1.8	6
15	Changes in Airway Microbiome and Inflammation with Ivacaftor Treatment in Patients with Cystic Fibrosis and the G551D Mutation. <i>Annals of the American Thoracic Society</i> , 2020, 17, 212-220.	1.5	113
16	Advanced Age Impairs Intestinal Antimicrobial Peptide Response and Worsens Fecal Microbiome Dysbiosis Following Burn Injury in Mice. <i>Shock</i> , 2020, 53, 71-77.	1.0	24
17	Gestational Diabetes Is Uniquely Associated With Altered Early Seeding of the Infant Gut Microbiota. <i>Frontiers in Endocrinology</i> , 2020, 11, 603021.	1.5	41
18	Randomized, Placebo-Controlled Trial of Rifaximin Therapy for Lowering Gut-Derived Cardiovascular Toxins and Inflammation in CKD. <i>Kidney360</i> , 2020, 1, 1206-1216.	0.9	10

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19	Muc5ac Expression Protects the Colonic Barrier in Experimental Colitis. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1353-1367.	0.9	30
20	Crohn's Disease Differentially Affects Region-Specific Composition and Aerotolerance Profiles of Mucosally Adherent Bacteria. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 1843-1855.	0.9	9
21	Bile acid sequestration reverses liver injury and prevents progression of nonalcoholic steatohepatitis in Western diet-fed mice. <i>Journal of Biological Chemistry</i> , 2020, 295, 4733-4747.	1.6	37
22	Obese Adolescents With PCOS Have Altered Biodiversity and Relative Abundance in Gastrointestinal Microbiota. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2134-e2144.	1.8	83
23	Different Gut Microbial Profiles in Sub-Saharan African and South Asian Women of Childbearing Age Are Primarily Associated With Dietary Intakes. <i>Frontiers in Microbiology</i> , 2019, 10, 1848.	1.5	16
24	Among older adults, age-related changes in the stool microbiome differ by HIV-1 serostatus. <i>EBioMedicine</i> , 2019, 40, 583-594.	2.7	23
25	Oral vitamin B ₁₂ supplement is delivered to the distal gut, altering the corrinoid profile and selectively depleting <i>Bacteroides</i> in C57BL/6 mice. <i>Gut Microbes</i> , 2019, 10, 654-662.	4.3	28
26	Influence of Crohn's disease related polymorphisms in innate immune function on ileal microbiome. <i>PLoS ONE</i> , 2019, 14, e0213108.	1.1	13
27	The Acute Influence of Acid Suppression with Esomeprazole on Gastrointestinal Microbiota and Brain Gene Expression Profiles in a Murine Model of Restraint Stress. <i>Neuroscience</i> , 2019, 398, 206-217.	1.1	11
28	Prenatal complications are associated with the postnatal airway host response and microbiota in intubated preterm infants. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2019, 32, 1499-1506.	0.7	3
29	Modulation of Inflammatory Arthritis in Mice by Gut Microbiota Through Mucosal Inflammation and Autoantibody Generation. <i>Arthritis and Rheumatology</i> , 2018, 70, 1220-1233.	2.9	126
30	On the Use of Diversity Measures in Longitudinal Sequencing Studies of Microbial Communities. <i>Frontiers in Microbiology</i> , 2018, 9, 1037.	1.5	135
31	Succession of toxicity and microbiota in hydraulic fracturing flowback and produced water in the Denver-Julesburg Basin. <i>Science of the Total Environment</i> , 2018, 644, 183-192.	3.9	35
32	Functional intraepithelial lymphocyte changes in inflammatory bowel disease and spondyloarthritis have disease specific correlations with intestinal microbiota. <i>Arthritis Research and Therapy</i> , 2018, 20, 149.	1.6	39
33	Determinants of the Nasal Microbiome: Pilot Study of Effects of Intranasal Medication Use. <i>Allergy and Rhinology</i> , 2018, 9, 215265671878951.	0.7	21
34	Evaluation of bloodstream infections, <i>Clostridium difficile</i> infections, and gut microbiota in pediatric oncology patients. <i>PLoS ONE</i> , 2018, 13, e0191232.	1.1	22
35	Airway microbiome and responses to corticosteroids in corticosteroid-resistant asthma patients treated with acid suppression medications. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 860-862.e1.	1.5	11
36	Longitudinal and Source-to-Tap New Orleans, LA, U.S.A. Drinking Water Microbiology. <i>Environmental Science & Technology</i> , 2017, 51, 4220-4229.	4.6	48

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37	Airway microbiota across age and disease spectrum in cystic fibrosis. <i>European Respiratory Journal</i> , 2017, 50, 1700832.	3.1	193
38	Investigation of sinonasal microbiome spatial organization in chronic rhinosinusitis. <i>International Forum of Allergy and Rhinology</i> , 2017, 7, 16-23.	1.5	43
39	Implication of the intestinal microbiome as a potential surrogate marker of immune responsiveness to experimental therapies in autoimmune diabetes. <i>PLoS ONE</i> , 2017, 12, e0173968.	1.1	7
40	Maternal treatment with short-chain fatty acids modulates the intestinal microbiota and immunity and ameliorates type 1 diabetes in the offspring. <i>PLoS ONE</i> , 2017, 12, e0183786.	1.1	46
41	Airway Microbial Community Turnover Differs by BPD Severity in Ventilated Preterm Infants. <i>PLoS ONE</i> , 2017, 12, e0170120.	1.1	62
42	Impact of enzymatic digestion on bacterial community composition in CF airway samples. <i>PeerJ</i> , 2017, 5, e3362.	0.9	6
43	Factors Influencing Bacterial Diversity and Community Composition in Municipal Drinking Waters in the Ohio River Basin, USA. <i>PLoS ONE</i> , 2016, 11, e0157966.	1.1	70
44	Airway Microbiota in Bronchoalveolar Lavage Fluid from Clinically Well Infants with Cystic Fibrosis. <i>PLoS ONE</i> , 2016, 11, e0167649.	1.1	53
45	Molecular Identification of <i>Staphylococcus aureus</i> in Airway Samples from Children with Cystic Fibrosis. <i>PLoS ONE</i> , 2016, 11, e0147643.	1.1	15
46	Microbial aerosol liberation from soiled textiles isolated during routine residuals handling in a modern health care setting. <i>Microbiome</i> , 2015, 3, 72.	4.9	33
47	Comparison of Fecal Microbiota in Children with Autism Spectrum Disorders and Neurotypical Siblings in the Simons Simplex Collection. <i>PLoS ONE</i> , 2015, 10, e0137725.	1.1	173
48	Perilipin-2 Modulates Lipid Absorption and Microbiome Responses in the Mouse Intestine. <i>PLoS ONE</i> , 2015, 10, e0131944.	1.1	43
49	Molecular analysis of single room humidifier bacteriology. <i>Water Research</i> , 2015, 69, 318-327.	5.3	9
50	Assessment of Airway Microbiota and Inflammation in Cystic Fibrosis Using Multiple Sampling Methods. <i>Annals of the American Thoracic Society</i> , 2015, 12, 221-229.	1.5	128
51	Alterations in Intestinal Microbiota Correlate With Susceptibility to Type 1 Diabetes. <i>Diabetes</i> , 2015, 64, 3510-3520.	0.3	246
52	Sinus microbiota varies among chronic rhinosinusitis phenotypes and predicts surgical outcome. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 334-342.e1.	1.5	158
53	Effect of monochloramine treatment on the microbial ecology of <i>Legionella</i> and associated bacterial populations in a hospital hot water system. <i>Systematic and Applied Microbiology</i> , 2015, 38, 198-205.	1.2	17
54	Altered Interactions between the Gut Microbiome and Colonic Mucosa Precede Polyposis in APCMin/+ Mice. <i>PLoS ONE</i> , 2015, 10, e0127985.	1.1	48

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55	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. <i>FASEB Journal</i> , 2015, 29, 121.1.	0.2	1
56	Specific Microbiome Changes in a Mouse Model of Parenteral Nutrition Associated Liver Injury and Intestinal Inflammation. <i>PLoS ONE</i> , 2014, 9, e110396.	1.1	64
57	Novosphingobium and Its Potential Role in Chronic Obstructive Pulmonary Diseases: Insights from Microbiome Studies. <i>PLoS ONE</i> , 2014, 9, e111150.	1.1	23
58	Microbial diversity in a Venezuelan orthoquartzite cave is dominated by the Chloroflexi (Class) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.5	72
59	Molecular analysis of point-of-use municipal drinking water microbiology. <i>Water Research</i> , 2014, 49, 225-235.	5.3	107
60	Purifying the Impure: Sequencing Metagenomes and Metatranscriptomes from Complex Animal-associated Samples. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	21
61	Explicit: graphical user interface software for metadata-driven management, analysis and visualization of microbiome data. <i>Bioinformatics</i> , 2013, 29, 3100-3101.	1.8	261
62	Culture-Independent Analysis of Aerosol Microbiology in a Metropolitan Subway System. <i>Applied and Environmental Microbiology</i> , 2013, 79, 3485-3493.	1.4	109
63	Sex Differences in the Gut Microbiome Drive Hormone-Dependent Regulation of Autoimmunity. <i>Science</i> , 2013, 339, 1084-1088.	6.0	1,565
64	Molecular Analysis of Bacterial and Circovirus Bioaerosols in Concentrated Animal Feeding Operations. <i>Aerosol Science and Technology</i> , 2013, 47, 755-766.	1.5	6
65	The Microbiome of the Middle Meatus in Healthy Adults. <i>PLoS ONE</i> , 2013, 8, e85507.	1.1	177
66	Prevention of Virus-Induced Type 1 Diabetes with Antibiotic Therapy. <i>Journal of Immunology</i> , 2012, 189, 3805-3814.	0.4	97
67	Disease phenotype and genotype are associated with shifts in intestinal-associated microbiota in inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 179-184.	0.9	505
68	Cluster analysis of genome-wide expression differences in disease-unaffected ileal mucosa in inflammatory bowel diseases. , 2011, , .		1
69	Diversity and Stratification of Archaea in a Hypersaline Microbial Mat. <i>Applied and Environmental Microbiology</i> , 2009, 75, 1801-1810.	1.4	102
70	Electron Microscopy of Archaea. <i>Methods in Cell Biology</i> , 2007, 79, 169-191.	0.5	6
71	Phylogenetic diversity and ecology of environmental Archaea. <i>Current Opinion in Microbiology</i> , 2005, 8, 638-642.	2.3	120
72	Combined Oral Contraceptive Treatment Does Not Alter the Gut Microbiome but Affects Amino Acid Metabolism in Sera of Obese Girls With Polycystic Ovary Syndrome. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	2