

Ruth Ann Luna

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,848
citations

186265

28
h-index

149698

56
g-index

59
all docs

59
docs citations

59
times ranked

6685
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards standards for human fecal sample processing in metagenomic studies. <i>Nature Biotechnology</i> , 2017, 35, 1069-1076.	17.5	581
2	Metagenomic Pyrosequencing and Microbial Identification. <i>Clinical Chemistry</i> , 2009, 55, 856-866.	3.2	459
3	Structure and function of the healthy pre-adolescent pediatric gut microbiome. <i>Microbiome</i> , 2015, 3, 36.	11.1	283
4	Gut brain axis: diet microbiota interactions and implications for modulation of anxiety and depression. <i>Current Opinion in Biotechnology</i> , 2015, 32, 35-41.	6.6	240
5	Differences in gut microbial composition correlate with regional brain volumes in irritable bowel syndrome. <i>Microbiome</i> , 2017, 5, 49.	11.1	228
6	Distinct Microbiome-Neuroimmune Signatures Correlate With Functional Abdominal Pain in Children With Autism Spectrum Disorder. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 218-230.	4.5	219
7	Good laboratory practice for clinical next-generation sequencing informatics pipelines. <i>Nature Biotechnology</i> , 2015, 33, 689-693.	17.5	134
8	Effects of Serotonin and Slow-Release 5-Hydroxytryptophan on Gastrointestinal Motility in a Mouse Model of Depression. <i>Gastroenterology</i> , 2019, 157, 507-521.e4.	1.3	103
9	Transfer of Viral Communities between Human Individuals during Fecal Microbiota Transplantation. <i>MBio</i> , 2016, 7, e00322.	4.1	90
10	Probiotics for Gastrointestinal Symptoms and Quality of Life in Autism: A Placebo-Controlled Pilot Trial. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2019, 29, 659-669.	1.3	81
11	Airway Microbiome and Development of Bronchopulmonary Dysplasia in Preterm Infants: A Systematic Review. <i>Journal of Pediatrics</i> , 2019, 204, 126-133.e2.	1.8	81
12	Psyllium Fiber Reduces Abdominal Pain in Children With Irritable Bowel Syndrome in a Randomized, Double-Blind Trial. <i>Clinical Gastroenterology and Hepatology</i> , 2017, 15, 712-719.e4.	4.4	77
13	Improved feeding tolerance and growth are linked to increased gut microbial community diversity in very-low-birth-weight infants fed mother's own milk compared with donor breast milk. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1088-1097.	4.7	77
14	Autism Spectrum Disorder as a Brain-Gut-Microbiome Axis Disorder. <i>Digestive Diseases and Sciences</i> , 2020, 65, 818-828.	2.3	71
15	Postnatal colonization with human "infant-type" <i>Bifidobacterium</i> species alters behavior of adult gnotobiotic mice. <i>PLoS ONE</i> , 2018, 13, e0196510.	2.5	66
16	<i>Bifidobacteria</i> shape host neural circuits during postnatal development by promoting synapse formation and microglial function. <i>Scientific Reports</i> , 2020, 10, 7737.	3.3	66
17	Next-Generation Probiotics Targeting <i>Clostridium difficile</i> through Precursor-Directed Antimicrobial Biosynthesis. <i>Infection and Immunity</i> , 2017, 85, .	2.2	65
18	DNA Pyrosequencing-Based Bacterial Pathogen Identification in a Pediatric Hospital Setting. <i>Journal of Clinical Microbiology</i> , 2007, 45, 2985-2992.	3.9	62

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19	Rapid Stool-Based Diagnosis of <i>Clostridium difficile</i> Infection by Real-Time PCR in a Children's Hospital. <i>Journal of Clinical Microbiology</i> , 2011, 49, 851-857.	3.9	62
20	Serial Fecal Microbiota Transplantation Alters Mucosal Gene Expression in Pediatric Ulcerative Colitis. <i>American Journal of Gastroenterology</i> , 2015, 110, 604-606.	0.4	61
21	Leveraging Human Microbiome Features to Diagnose and Stratify Children with Irritable Bowel Syndrome. <i>Journal of Molecular Diagnostics</i> , 2019, 21, 449-461.	2.8	59
22	The Fecal Microbiome in Pediatric Patients With Short Bowel Syndrome. <i>Journal of Parenteral and Enteral Nutrition</i> , 2016, 40, 1106-1113.	2.6	57
23	Cellulose Supplementation Early in Life Ameliorates Colitis in Adult Mice. <i>PLoS ONE</i> , 2013, 8, e56685.	2.5	55
24	Molecular microbiological methods in the diagnosis of neonatal sepsis. <i>Expert Review of Anti-Infective Therapy</i> , 2010, 8, 1037-1048.	4.4	50
25	The Brain-Gut-Microbiome Axis: What Role Does it Play in Autism Spectrum Disorder?. <i>Current Developmental Disorders Reports</i> , 2016, 3, 75-81.	2.1	48
26	<i>Fusobacterium nucleatum</i> Adheres to <i>Clostridioides difficile</i> via the RadD Adhesin to Enhance Biofilm Formation in Intestinal Mucus. <i>Gastroenterology</i> , 2021, 160, 1301-1314.e8.	1.3	46
27	<i>Bacteroides ovatus</i> colonization influences the abundance of intestinal short chain fatty acids and neurotransmitters. <i>IScience</i> , 2022, 25, 104158.	4.1	41
28	Mucin-Degrading Microbes Release Monosaccharides That Chemoattract <i>Clostridioides difficile</i> and Facilitate Colonization of the Human Intestinal Mucus Layer. <i>ACS Infectious Diseases</i> , 2021, 7, 1126-1142.	3.8	39
29	Neonatal Antibiotics Disrupt Motility and Enteric Neural Circuits in Mouse Colon. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2019, 8, 298-300.e6.	4.5	31
30	Antibiotic exposure postweaning disrupts the neurochemistry and function of enteric neurons mediating colonic motor activity. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G1042-G1053.	3.4	27
31	Significant Morbidity and Mortality Attributable to <i>Rothia mucilaginosa</i> Infections in Children with Hematological Malignancies or Following Hematopoietic Stem Cell Transplantation. <i>Pediatric Hematology and Oncology</i> , 2013, 30, 445-454.	0.8	23
32	Molecular Epidemiological Surveillance of Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Isolates in a Pediatric Population of Patients with Cystic Fibrosis and Determination of Risk Factors for Infection with the Houston-1 Strain. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1237-1240.	3.9	23
33	Gut Microbiome and Inflammation: A Study of Diabetic Inflammation-Knockout Mice. <i>Journal of Diabetes Research</i> , 2017, 2017, 1-5.	2.3	22
34	Gut microbiome in adolescent depression. <i>Journal of Affective Disorders</i> , 2021, 292, 500-507.	4.1	22
35	Bile Acids and Microbiome Among Individuals With Irritable Bowel Syndrome and Healthy Volunteers. <i>Biological Research for Nursing</i> , 2021, 23, 65-74.	1.9	21
36	Analytical Performance Determination and Clinical Validation of the Novel Roche RealTime Ready Influenza A/H1N1 Detection Set. <i>Journal of Clinical Microbiology</i> , 2010, 48, 3088-3094.	3.9	18

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37	Dietary impact of a plant-derived microRNA on the gut microbiome. <i>ExRNA</i> , 2020, 2, .	1.0	18
38	Characterization of Nontypeable and Atypical <i>Streptococcus pneumoniae</i> Pediatric Isolates from 1994 to 2010. <i>Journal of Clinical Microbiology</i> , 2012, 50, 1326-1330.	3.9	17
39	Cluster of Fatal Group A Streptococcal emm87 Infections in a Single Family: Molecular Basis for Invasion and Transmission. <i>Journal of Infectious Diseases</i> , 2017, 215, 1648-1652.	4.0	16
40	Microbiome signatures in neonatal central line associated bloodstream infections. <i>PLoS ONE</i> , 2020, 15, e0227967.	2.5	13
41	Neonatal <i>Pasteurella multocida</i> subsp. <i>septica</i> Meningitis Traced to Household Cats: Molecular Linkage Analysis Using Repetitive-Sequence-Based PCR. <i>Journal of Clinical Microbiology</i> , 2016, 54, 230-232.	3.9	11
42	Assessment of the gut bacterial microbiome and metabolome of girls and women with Rett Syndrome. <i>PLoS ONE</i> , 2021, 16, e0251231.	2.5	11
43	The Nasopharyngeal and Gut Microbiota in Children in a Pediatric Otolaryngology Practice. <i>Pediatric Infectious Disease Journal</i> , 2020, 39, e226-e233.	2.0	10
44	Probiotic VSL#3 Treatment Reduces Colonic Permeability and Abdominal Pain Symptoms in Patients With Irritable Bowel Syndrome. <i>Frontiers in Pain Research</i> , 2021, 2, 691689.	2.0	9
45	New Host-Directed Therapeutics for the Treatment of <i>Clostridioides difficile</i> Infection. <i>MBio</i> , 2020, 11, .	4.1	8
46	Reinfection with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) B.1.1.7 variant in an immunocompromised adolescent. <i>Infection Control and Hospital Epidemiology</i> , 2021, , 1-2.	1.8	6
47	Peppermint oil effects on the gut microbiome in children with functional abdominal pain. <i>Clinical and Translational Science</i> , 2022, 15, 1036-1049.	3.1	6
48	An Unusual Cause of Sepsis and Meningitis in a Neonate. <i>Seminars in Pediatric Infectious Diseases</i> , 2006, 17, 187.	1.7	5
49	Complete Genome Sequence of <i>Clostridioides difficile</i> Ribotype 255 Strain Mta-79, Assembled Using Oxford Nanopore and Illumina Sequencing. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	5
50	Fecal Microbiota Transplantation Commonly Failed in Children With Co-Morbidities. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2022, 74, 227-235.	1.8	4
51	Intestinal Predictors of Whole Blood Serotonin Levels in Children With or Without Autism. <i>Journal of Autism and Developmental Disorders</i> , 2022, 52, 3780-3789.	2.7	4
52	Comparison of Whole Genome Sequencing and Repetitive Element PCR for Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Strain Typing. <i>Journal of Molecular Diagnostics</i> , 2021, , .	2.8	3
53	A Comprehensive Self-Management Program With Diet Education Does Not Alter Microbiome Characteristics in Women With Irritable Bowel Syndrome. <i>Biological Research for Nursing</i> , 2021, 23, 471-480.	1.9	2
54	Editorial: Interactions of the Nervous System With Bacteria. <i>Frontiers in Neuroscience</i> , 2021, 15, 682744.	2.8	2

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55	Complete Genome Sequence of the Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Endemic Houston-1 Strain, Isolated from a Pediatric Patient with Cystic Fibrosis and Assembled Using Oxford Nanopore and Illumina Sequencing. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	2
56	Infectious Diseases Testing. <i>Current Protocols in Human Genetics</i> , 2005, 47, Unit 9.18.	3.5	0
57	The mucosal microbiota in a young child with severe non- <i>Helicobacter</i> gastritis. <i>Therapeutic Advances in Gastroenterology</i> , 2016, 9, 749-751.	3.2	0
58	<i>Clostridioides difficile</i> is Chemoattracted to Oligosaccharides Released by Mucin-Degrading Microbes. <i>FASEB Journal</i> , 2021, 35, .	0.5	0