Amanda Ellen Ramer-Tait

List of Publications by Year
in descending order

81 papers	4,725 citations	109321 35 h-index	110387 64 g-index
88 all docs	88 docs citations	88 times ranked	7272 citing authors

#	Article	IF	Citations
1	The diet-microbiota axis: a key regulator of intestinal permeability in human health and disease. Tissue Barriers, 2023, 11, .	3.2	5
2	Experimental evaluation of ecological principles to understand and modulate the outcome of bacterial strain competition in gut microbiomes. ISME Journal, 2022, 16, 1594-1604.	9.8	24
3	Resistant starch: A promising ingredient and health promoter. PharmaNutrition, 2022, 21, 100304.	1.7	1
4	Polyphenolic fractions isolated from red raspberry whole fruit, pulp, and seed differentially alter the gut microbiota of mice with diet-induced obesity. Journal of Functional Foods, 2021, 76, 104288.	3.4	16
5	Immunomodulatory Role of Urolithin A on Metabolic Diseases. Biomedicines, 2021, 9, 192.	3.2	39
6	Handling of spurious sequences affects the outcome of high-throughput 16S rRNA gene amplicon profiling. ISME Communications, 2021, 1, .	4.2	60
7	The gut bacterium Extibacter muris produces secondary bile acids and influences liver physiology in gnotobiotic mice. Gut Microbes, 2021, 13, 1-21.	9.8	161
8	Differential Effects of Whole Red Raspberry Polyphenols and Their Gut Metabolite Urolithin A on Neuroinflammation in BV-2 Microglia. International Journal of Environmental Research and Public Health, 2021, 18, 68.	2.6	19
9	Red Raspberry Polyphenols Attenuate Highâ€Fat Dietâ€“Driven Activation of NLRP3 Inflammasome and its Paracrine Suppression of Adipogenesis via Histone Modifications. Molecular Nutrition and Food Research, 2020, 64, e1900995.	3.3	22
10	Stearidonicâ€Enriched Soybean Oil Modulates Obesity, Glucose Metabolism, and Fatty Acid Profiles Independently of Akkermansia muciniphila. Molecular Nutrition and Food Research, 2020, 64, e2000162.	3.3	8
11	Polyanhydride Nanoparticles Induce Low Inflammatory Dendritic Cell Activation Resulting in CD8⁺ T Cell Memory and Delayed Tumor Progression . International Journal of Nanomedicine, 2020, Volume 15, 6579-6592.	6.7	10
12	Differential longitudinal establishment of human fecal bacterial communities in germ-free porcine and murine models. Communications Biology, 2020, 3, 760.	4.4	13
13	Wild primate microbiomes prevent weight gain in germ-free mice. Animal Microbiome, 2020, 2, 16.	3.8	7
14	A Cardiovascular Disease-Linked Gut Microbial Metabolite Acts via Adrenergic Receptors. Cell, 2020, 180, 862-877.e22.	28.9	397
15	Prebiotic-Induced Anti-tumor Immunity Attenuates Tumor Growth. Cell Reports, 2020, 30, 1753-1766.e6.	6.4	105
16	Temporal Dynamics of Chronic Inflammation on the Cecal Microbiota in IL-10-/- Mice. Frontiers in Immunology, 2020, 11, 585431.	4.8	6
17	Experimental Evidence for Adaptation to Species-Specific Gut Microbiota in House Mice. MSphere, 2019, 4, .	2.9	27
18	Genes Involved in Galactooligosaccharide Metabolism in Lactobacillus reuteri and Their Ecological Role in the Gastrointestinal Tract. Applied and Environmental Microbiology, 2019, 85, .	3.1	21

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19	A Double Humanized BLT-mice Model Featuring a Stable Human-Like Gut Microbiome and Human Immune System. Journal of Visualized Experiments, 2019, , .	0.3	13
20	Gut microbiota dependent anti-tumor immunity restricts melanoma growth in Rnf5â^'/â^' mice. Nature Communications, 2019, 10, 1492.	12.8	114
21	Urolithin A, a Gut Metabolite, Improves Insulin Sensitivity Through Augmentation of Mitochondrial Function and Biogenesis. Obesity, 2019, 27, 612-620.	3.0	53
22	Dietary Depletion of Milk Exosomes and Their MicroRNA Cargos Elicits a Depletion of miR-200a-3p and Elevated Intestinal Inflammation and Chemokine (C-X-C Motif) Ligand 9 Expression in Mdr1a Mice. Current Developments in Nutrition, 2019, 3, nzz122.	0.3	37
23	Response to Fungal Dysbiosis by Gut-Resident CX3CR1+ Mononuclear Phagocytes Aggravates Allergic Airway Disease. Cell Host and Microbe, 2018, 24, 847-856.e4.	11.0	95
24	Oral non-viral gene delivery for applications in DNA vaccination and gene therapy. Current Opinion in Biomedical Engineering, 2018, 7, 51-57.	3.4	15
25	Experimental evaluation of the importance of colonization history in early-life gut microbiota assembly. ELife, 2018, 7, .	6.0	140
26	Commensal Escherichia coli Strains Can Promote Intestinal Inflammation via Differential Interleukin-6 Production. Frontiers in Immunology, 2018, 9, 2318.	4.8	80
27	Role of whole grains versus fruits and vegetables in reducing subclinical inflammation and promoting gastrointestinal health in individuals affected by overweight and obesity: a randomized controlled trial. Nutrition Journal, 2018, 17, 72.	3.4	67
28	The evolution of ecological facilitation within mixed-species biofilms in the mouse gastrointestinal tract. ISME Journal, 2018, 12, 2770-2784.	9.8	34
29	Galactooligosaccharide supplementation provides protection against Citrobacter rodentium-induced colitis without limiting pathogen burden. Microbiology (United Kingdom), 2018, 164, 154-162.	1.8	20
30	Chitosan-zein nano-in-microparticles capable of mediating in vivo transgene expression following oral delivery. Journal of Controlled Release, 2017, 249, 150-161.	9.9	54
31	Resistant starch can improve insulin sensitivity independently of the gut microbiota. Microbiome, 2017, 5, 12.	11.1	113
32	Lifestyle and Horizontal Gene Transfer-Mediated Evolution of Mucispirillum schaedleri, a Core Member of the Murine Gut Microbiota. MSystems, 2017, 2, .	3.8	148
33	A real-time PCR assay for accurate quantification of the individual members of the Altered Schaedler Flora microbiota in gnotobiotic mice. Journal of Microbiological Methods, 2017, 135, 52-62.	1.6	41
34	A critical assessment of the â€œsterile wombâ€•and â€œin utero colonizationâ€•hypotheses: implications for research on the pioneer infant microbiome. Microbiome, 2017, 5, 48.	11.1	744
35	Functionalization promotes pathogenâ€mimicking characteristics of polyanhydride nanoparticle adjuvants. Journal of Biomedical Materials Research - Part A, 2017, 105, 2762-2771.	4.0	14
36	Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. Immunological Reviews, 2017, 279, 8-22.	6.0	101

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37	A gut pathobiont synergizes with the microbiota to instigate inflammatory disease marked by immunoreactivity against other symbionts but not itself. Scientific Reports, 2017, 7, 17707.	3.3	41
38	Subgingival Microbiome Colonization and Cytokine Production during Early Dental Implant Healing. MSphere, 2017, 2, .	2.9	13
39	Disparate Metabolic Responses in Mice Fed a High-Fat Diet Supplemented with Maize-Derived Non-Digestible Feruloylated Oligo- and Polysaccharides Are Linked to Changes in the Gut Microbiota. PLoS ONE, 2016, 11, e0146144.	2.5	43
40	Prebiotics and synbiotics. Current Opinion in Gastroenterology, 2016, 32, 110-119.	2.3	65
41	Characterization of the ecological role of genes mediating acid resistance in <scp>L</scp>actobacillus reuteri during colonization of the gastrointestinal tract. Environmental Microbiology, 2016, 18, 2172-2184.	3.8	34
42	Micro- and nanoparticulates for DNA vaccine delivery. Experimental Biology and Medicine, 2016, 241, 919-929.	2.4	68
43	Cellular Internalization Mechanisms of Polyanhydride Particles: Implications for Rational Design of Drug Delivery Vehicles. Journal of Biomedical Nanotechnology, 2016, 12, 1544-1552.	1.1	34
44	Resistant starches for the management of metabolic diseases. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 559-565.	2.5	84
45	Orally administered extract fromPrunella vulgarisattenuates spontaneous colitis in mdr1a^{-/-}mice. World Journal of Gastrointestinal Pharmacology and Therapeutics, 2015, 6, 223.	1.1	9
46	Sustained release and stabilization of therapeutic antibodies using amphiphilic polyanhydride nanoparticles. Chemical Engineering Science, 2015, 125, 98-107.	3.8	26
47	Pulmonary Biodistribution and Cellular Uptake of Intranasally Administered Monodisperse Particles. Pharmaceutical Research, 2015, 32, 1368-1382.	3.5	18
48	In Vivo Selection To Identify Bacterial Strains with Enhanced Ecological Performance in Synbiotic Applications. Applied and Environmental Microbiology, 2015, 81, 2455-2465.	3.1	47
49	Salmonella enterica serovar Typhimurium-infected pigs with different shedding levels exhibit distinct clinical, peripheral cytokine and transcriptomic immune response phenotypes. Innate Immunity, 2015, 21, 227-241.	2.4	37
50	Ability of the gut microbiota to produce PUFAâ€derived bacterial metabolites: Proof of concept in germâ€free versus conventionalized mice. Molecular Nutrition and Food Research, 2015, 59, 1603-1613.	3.3	48
51	Exploring the Role of Proline Metabolism in Helicobacter Pathogenicity. FASEB Journal, 2015, 29, 573.49.	0.5	0
52	Polyanhydride nanovaccine platform enhances antigen-specific cytotoxic T cell responses. Technology, 2014, 02, 171-175.	1.4	23
53	Organic barn dust extract exposure impairs porcine macrophage function in vitro: Implications for respiratory health. Veterinary Immunology and Immunopathology, 2014, 157, 20-30.	1.2	18
54	A systems approach to designing next generation vaccines: combining Î±-galactose modified antigens with nanoparticle platforms. Scientific Reports, 2014, 4, 3775.	3.3	27

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55	Retention of structure, antigenicity, and biological function of pneumococcal surface protein A (PspA) released from polyanhydride nanoparticles. Acta Biomaterialia, 2013, 9, 8262-8271.	8.3	58
56	Single immunization with a suboptimal antigen dose encapsulated into polyanhydride microparticles promotes high titer and avid antibody responses. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2013, 101B, 91-98.	3.4	40
57	Functionalization of polyanhydride microparticles with di-mannose influences uptake by and intracellular fate within dendritic cells. Acta Biomaterialia, 2013, 9, 8902-8909.	8.3	41
58	Evaluation of Biocompatibility and Administration Site Reactogenicity of Polyanhydrideâ€Particleâ€Based Platform for Vaccine Delivery. Advanced Healthcare Materials, 2013, 2, 369-378.	7.6	59
59	Combinatorial evaluation of in vivo distribution of polyanhydride particle-based platforms for vaccine delivery. International Journal of Nanomedicine, 2013, 8, 2213.	6.7	7
60	Gene expression in intestinal mucosal biopsy specimens obtained from dogs with chronic enteropathy. American Journal of Veterinary Research, 2012, 73, 1219-1229.	0.6	22
61	Harvesting Murine Alveolar Macrophages and Evaluating Cellular Activation Induced by Polyanhydride Nanoparticles. Journal of Visualized Experiments, 2012, , e3883.	0.3	9
62	Differential Surface Deposition of Complement Proteins on Logarithmic and Stationary PhaseLeishmania chagasiPromastigotes. Journal of Parasitology, 2012, 98, 1109-1116.	0.7	8
63	Analyzing Cellular Internalization of Nanoparticles and Bacteria by Multi-spectral Imaging Flow Cytometry. Journal of Visualized Experiments, 2012, , e3884.	0.3	40
64	Chemistry-dependent adsorption of serum proteins onto polyanhydride microparticles differentially influences dendritic cell uptake and activation. Acta Biomaterialia, 2012, 8, 3618-3628.	8.3	20
65	Tailoring the immune response by targeting C-type lectin receptors on alveolar macrophages using â€œpathogen-likeâ€•amphiphilic polyanhydride nanoparticles. Biomaterials, 2012, 33, 4762-4772.	11.4	80
66	Mannose-Functionalized â€œPathogen-likeâ€•Polyanhydride Nanoparticles Target C-Type Lectin Receptors on Dendritic Cells. Molecular Pharmaceutics, 2011, 8, 1877-1886.	4.6	118
67	Distinct Peripheral Blood RNA Responses to Salmonella in Pigs Differing in Salmonella Shedding Levels: Intersection of IFNG, TLR and miRNA Pathways. PLoS ONE, 2011, 6, e28768.	2.5	47
68	Activation of innate immune responses in a pathogen-mimicking manner by amphiphilic polyanhydride nanoparticle adjuvants. Biomaterials, 2011, 32, 6815-6822.	11.4	124
69	IL-2 limits IL-12 enhanced lymphocyte proliferation during Leishmania amazonensis infection. Cellular Immunology, 2011, 270, 32-39.	3.0	4
70	Helicobacter bilis Colonization Enhances Susceptibility to Typhlocolitis Following an Inflammatory Trigger. Digestive Diseases and Sciences, 2011, 56, 2838-2848.	2.3	26
71	Polyanhydride microparticles enhance dendritic cell antigen presentation and activation. Acta Biomaterialia, 2011, 7, 2857-2864.	8.3	111
72	Design of a Protective Single-Dose Intranasal Nanoparticle-Based Vaccine Platform for Respiratory Infectious Diseases. PLoS ONE, 2011, 6, e17642.	2.5	115

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73	Rational Design of Pathogen-Mimicking Amphiphilic Materials as Nanoadjuvants. Scientific Reports, 2011, 1, 198.	3.3	75
74	Immunologic Indicators of Clinical Progression during CanineLeishmania infantumInfection. Vaccine Journal, 2010, 17, 267-273.	3.1	84
75	Reduced Hamster Usage and Stress in Propagating Leishmania chagasi Promastigotes Using Cryopreservation and Saphenous Vein Inoculation. Journal of Parasitology, 2010, 96, 103-108.	0.7	5
76	Mucosal gene expression profiles following the colonization of immunocompetent defined-flora C3H mice with Helicobacter bilis: a prelude to typhlocolitis. Microbes and Infection, 2009, 11, 374-383.	1.9	15
77	Altered Dendritic Cell Phenotype in Response to Leishmania amazonensis Amastigote Infection Is Mediated by MAP Kinase, ERK. American Journal of Pathology, 2009, 174, 1818-1826.	3.8	52
78	Characterization of DNA Sequences that Confer Complement Resistance in Leishmania chagasi. Annals of the New York Academy of Sciences, 2008, 1149, 347-351.	3.8	5
79	Disseminated Leishmania infantum infection in two sibling foxhounds due to possible vertical transmission. Canadian Veterinary Journal, 2008, 49, 1005-8.	0.0	36
80	Antigen-Responsive CD4 + T Cells from C3H Mice Chronically Infected with Leishmania amazonensis Are Impaired in the Transition to an Effector Phenotype. Infection and Immunity, 2006, 74, 1547-1554.	2.2	24
81	CD4 + Th1 Cells Induced by Dendritic Cell-Based Immunotherapy in Mice Chronically Infected with Leishmania amazonensis Do Not Promote Healing. Infection and Immunity, 2004, 72, 4455-4463.	2.2	28