

Amanda Ellen Ramer-Tait

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7636455/publications.pdf>

Version: 2024-02-01

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	A critical assessment of the "sterile womb" and "in utero colonization" hypotheses: implications for research on the pioneer infant microbiome. <i>Microbiome</i> , 2017, 5, 48.	11.1	744
2	A Cardiovascular Disease-Linked Gut Microbial Metabolite Acts via Adrenergic Receptors. <i>Cell</i> , 2020, 180, 862-877.e22.	28.9	397
3	The gut bacterium <i>Extibacter muris</i> produces secondary bile acids and influences liver physiology in gnotobiotic mice. <i>Gut Microbes</i> , 2021, 13, 1-21.	9.8	161
4	Lifestyle and Horizontal Gene Transfer-Mediated Evolution of <i>Mucispirillum schaedleri</i> , a Core Member of the Murine Gut Microbiota. <i>MSystems</i> , 2017, 2, .	3.8	148
5	Experimental evaluation of the importance of colonization history in early-life gut microbiota assembly. <i>ELife</i> , 2018, 7, .	6.0	140
6	Activation of innate immune responses in a pathogen-mimicking manner by amphiphilic polyanhydride nanoparticle adjuvants. <i>Biomaterials</i> , 2011, 32, 6815-6822.	11.4	124
7	Mannose-Functionalized "Pathogen-like" Polyanhydride Nanoparticles Target C-Type Lectin Receptors on Dendritic Cells. <i>Molecular Pharmaceutics</i> , 2011, 8, 1877-1886.	4.6	118
8	Design of a Protective Single-Dose Intranasal Nanoparticle-Based Vaccine Platform for Respiratory Infectious Diseases. <i>PLoS ONE</i> , 2011, 6, e17642.	2.5	115
9	Gut microbiota dependent anti-tumor immunity restricts melanoma growth in <i>Rnf5^{+/+}</i> mice. <i>Nature Communications</i> , 2019, 10, 1492.	12.8	114
10	Resistant starch can improve insulin sensitivity independently of the gut microbiota. <i>Microbiome</i> , 2017, 5, 12.	11.1	113
11	Polyanhydride microparticles enhance dendritic cell antigen presentation and activation. <i>Acta Biomaterialia</i> , 2011, 7, 2857-2864.	8.3	111
12	Prebiotic-Induced Anti-tumor Immunity Attenuates Tumor Growth. <i>Cell Reports</i> , 2020, 30, 1753-1766.e6.	6.4	105
13	Deciphering interactions between the gut microbiota and the immune system via microbial cultivation and minimal microbiomes. <i>Immunological Reviews</i> , 2017, 279, 8-22.	6.0	101
14	Response to Fungal Dysbiosis by Gut-Resident CX3CR1+ Mononuclear Phagocytes Aggravates Allergic Airway Disease. <i>Cell Host and Microbe</i> , 2018, 24, 847-856.e4.	11.0	95
15	Immunologic Indicators of Clinical Progression during Canine <i>L. infantum</i> Infection. <i>Vaccine Journal</i> , 2010, 17, 267-273.	3.1	84
16	Resistant starches for the management of metabolic diseases. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 559-565.	2.5	84
17	Tailoring the immune response by targeting C-type lectin receptors on alveolar macrophages using "pathogen-like" amphiphilic polyanhydride nanoparticles. <i>Biomaterials</i> , 2012, 33, 4762-4772.	11.4	80
18	Commensal <i>Escherichia coli</i> Strains Can Promote Intestinal Inflammation via Differential Interleukin-6 Production. <i>Frontiers in Immunology</i> , 2018, 9, 2318.	4.8	80

#	ARTICLE	IF	CITATIONS
19	Rational Design of Pathogen-Mimicking Amphiphilic Materials as Nanoadjuvants. <i>Scientific Reports</i> , 2011, 1, 198.	3.3	75
20	Micro- and nanoparticulates for DNA vaccine delivery. <i>Experimental Biology and Medicine</i> , 2016, 241, 919-929.	2.4	68
21	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. <i>Nutrition Journal</i> , 2018, 17, 72.	3.4	67
22	Prebiotics and synbiotics. <i>Current Opinion in Gastroenterology</i> , 2016, 32, 110-119.	2.3	65
23	Handling of spurious sequences affects the outcome of high-throughput 16S rRNA gene amplicon profiling. <i>ISME Communications</i> , 2021, 1, .	4.2	60
24	Evaluation of Biocompatibility and Administration Site Reactogenicity of Polyanhydrideâ€Particleâ€Based Platform for Vaccine Delivery. <i>Advanced Healthcare Materials</i> , 2013, 2, 369-378.	7.6	59
25	Retention of structure, antigenicity, and biological function of pneumococcal surface protein A (PspA) released from polyanhydride nanoparticles. <i>Acta Biomaterialia</i> , 2013, 9, 8262-8271.	8.3	58
26	Chitosan-zein nano-in-microparticles capable of mediating in vivo transgene expression following oral delivery. <i>Journal of Controlled Release</i> , 2017, 249, 150-161.	9.9	54
27	Urolithin A, a Gut Metabolite, Improves Insulin Sensitivity Through Augmentation of Mitochondrial Function and Biogenesis. <i>Obesity</i> , 2019, 27, 612-620.	3.0	53
28	Altered Dendritic Cell Phenotype in Response to <i>Leishmania amazonensis</i> Amastigote Infection Is Mediated by MAP Kinase, ERK. <i>American Journal of Pathology</i> , 2009, 174, 1818-1826.	3.8	52
29	Ability of the gut microbiota to produce PUFAâ€derived bacterial metabolites: Proof of concept in germâ€free versus conventionalized mice. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1603-1613.	3.3	48
30	Distinct Peripheral Blood RNA Responses to Salmonella in Pigs Differing in Salmonella Shedding Levels: Intersection of IFNG, TLR and miRNA Pathways. <i>PLoS ONE</i> , 2011, 6, e28768.	2.5	47
31	<i>In Vivo</i> Selection To Identify Bacterial Strains with Enhanced Ecological Performance in Synbiotic Applications. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2455-2465.	3.1	47
32	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. <i>PLoS ONE</i> , 2016, 11, e0146144.	2.5	43
33	Functionalization of polyanhydride microparticles with di-mannose influences uptake by and intracellular fate within dendritic cells. <i>Acta Biomaterialia</i> , 2013, 9, 8902-8909.	8.3	41
34	A real-time PCR assay for accurate quantification of the individual members of the Altered Schaedler Flora microbiota in gnotobiotic mice. <i>Journal of Microbiological Methods</i> , 2017, 135, 52-62.	1.6	41
35	A gut pathobiont synergizes with the microbiota to instigate inflammatory disease marked by immunoreactivity against other symbionts but not itself. <i>Scientific Reports</i> , 2017, 7, 17707.	3.3	41
36	Analyzing Cellular Internalization of Nanoparticles and Bacteria by Multi-spectral Imaging Flow Cytometry. <i>Journal of Visualized Experiments</i> , 2012, , e3884.	0.3	40

#	ARTICLE	IF	CITATIONS
37	Single immunization with a suboptimal antigen dose encapsulated into polyanhydride microparticles promotes high titer and avid antibody responses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2013, 101B, 91-98.	3.4	40
38	Immunomodulatory Role of Urolithin A on Metabolic Diseases. <i>Biomedicines</i> , 2021, 9, 192.	3.2	39
39	<i>Salmonella enterica</i> serovar Typhimurium-infected pigs with different shedding levels exhibit distinct clinical, peripheral cytokine and transcriptomic immune response phenotypes. <i>Innate Immunity</i> , 2015, 21, 227-241.	2.4	37
40	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 <i>Mdr1a</i> Mice. <i>Current Developments in Nutrition</i> , 2019, 3, nzz122.	0.3	37
41	Disseminated <i>Leishmania infantum</i> infection in two sibling foxhounds due to possible vertical transmission. <i>Canadian Veterinary Journal</i> , 2008, 49, 1005-8.	0.0	36
42	Characterization of the ecological role of genes mediating acid resistance in <i>actobacillus reuteri</i> during colonization of the gastrointestinal tract. <i>Environmental Microbiology</i> , 2016, 18, 2172-2184.	3.8	34
43	Cellular Internalization Mechanisms of Polyanhydride Particles: Implications for Rational Design of Drug Delivery Vehicles. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1544-1552.	1.1	34
44	The evolution of ecological facilitation within mixed-species biofilms in the mouse gastrointestinal tract. <i>ISME Journal</i> , 2018, 12, 2770-2784.	9.8	34
45	CD4 + Th1 Cells Induced by Dendritic Cell-Based Immunotherapy in Mice Chronically Infected with <i>Leishmania amazonensis</i> Do Not Promote Healing. <i>Infection and Immunity</i> , 2004, 72, 4455-4463.	2.2	28
46	A systems approach to designing next generation vaccines: combining $\hat{\pm}$ -galactose modified antigens with nanoparticle platforms. <i>Scientific Reports</i> , 2014, 4, 3775.	3.3	27
47	Experimental Evidence for Adaptation to Species-Specific Gut Microbiota in House Mice. <i>MSphere</i> , 2019, 4, .	2.9	27
48	<i>Helicobacter bilis</i> Colonization Enhances Susceptibility to Typhlocolitis Following an Inflammatory Trigger. <i>Digestive Diseases and Sciences</i> , 2011, 56, 2838-2848.	2.3	26
49	Sustained release and stabilization of therapeutic antibodies using amphiphilic polyanhydride nanoparticles. <i>Chemical Engineering Science</i> , 2015, 125, 98-107.	3.8	26
50	Antigen-Responsive CD4 + T Cells from C3H Mice Chronically Infected with <i>Leishmania amazonensis</i> Are Impaired in the Transition to an Effector Phenotype. <i>Infection and Immunity</i> , 2006, 74, 1547-1554.	2.2	24
51	Experimental evaluation of ecological principles to understand and modulate the outcome of bacterial strain competition in gut microbiomes. <i>ISME Journal</i> , 2022, 16, 1594-1604.	9.8	24
52	Polyanhydride nanovaccine platform enhances antigen-specific cytotoxic T cell responses. <i>Technology</i> , 2014, 02, 171-175.	1.4	23
53	Gene expression in intestinal mucosal biopsy specimens obtained from dogs with chronic enteropathy. <i>American Journal of Veterinary Research</i> , 2012, 73, 1219-1229.	0.6	22
54	Red Raspberry Polyphenols Attenuate High-Fat Diet-Driven Activation of NLRP3 Inflammasome and its Paracrine Suppression of Adipogenesis via Histone Modifications. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900995.	3.3	22

#	ARTICLE	IF	CITATIONS
55	Genes Involved in Galactooligosaccharide Metabolism in <i>Lactobacillus reuteri</i> and Their Ecological Role in the Gastrointestinal Tract. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	21
56	Chemistry-dependent adsorption of serum proteins onto polyanhydride microparticles differentially influences dendritic cell uptake and activation. <i>Acta Biomaterialia</i> , 2012, 8, 3618-3628.	8.3	20
57	Galactooligosaccharide supplementation provides protection against <i>Citrobacter rodentium</i> -induced colitis without limiting pathogen burden. <i>Microbiology (United Kingdom)</i> , 2018, 164, 154-162.	1.8	20
58	Differential Effects of Whole Red Raspberry Polyphenols and Their Gut Metabolite Urolithin A on Neuroinflammation in BV-2 Microglia. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 68.	2.6	19
59	Organic barn dust extract exposure impairs porcine macrophage function in vitro: Implications for respiratory health. <i>Veterinary Immunology and Immunopathology</i> , 2014, 157, 20-30.	1.2	18
60	Pulmonary Biodistribution and Cellular Uptake of Intranasally Administered Monodisperse Particles. <i>Pharmaceutical Research</i> , 2015, 32, 1368-1382.	3.5	18
61	Polyphenolic fractions isolated from red raspberry whole fruit, pulp, and seed differentially alter the gut microbiota of mice with diet-induced obesity. <i>Journal of Functional Foods</i> , 2021, 76, 104288.	3.4	16
62	Mucosal gene expression profiles following the colonization of immunocompetent defined-flora C3H mice with <i>Helicobacter bilis</i> : a prelude to typhlocolitis. <i>Microbes and Infection</i> , 2009, 11, 374-383.	1.9	15
63	Oral non-viral gene delivery for applications in DNA vaccination and gene therapy. <i>Current Opinion in Biomedical Engineering</i> , 2018, 7, 51-57.	3.4	15
64	Functionalization promotes pathogen-mimicking characteristics of polyanhydride nanoparticle adjuvants. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 2762-2771.	4.0	14
65	Subgingival Microbiome Colonization and Cytokine Production during Early Dental Implant Healing. <i>MSphere</i> , 2017, 2, .	2.9	13
66	A Double Humanized BLT-mice Model Featuring a Stable Human-Like Gut Microbiome and Human Immune System. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	13
67	Differential longitudinal establishment of human fecal bacterial communities in germ-free porcine and murine models. <i>Communications Biology</i> , 2020, 3, 760.	4.4	13
68	Polyanhydride Nanoparticles Induce Low Inflammatory Dendritic Cell Activation Resulting in CD8 ⁺ T Cell Memory and Delayed Tumor Progression. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6579-6592.	6.7	10
69	Harvesting Murine Alveolar Macrophages and Evaluating Cellular Activation Induced by Polyanhydride Nanoparticles. <i>Journal of Visualized Experiments</i> , 2012, , e3883.	0.3	9
70	Orally administered extract from <i>Prunella vulgaris</i> attenuates spontaneous colitis in <i>mdr1a</i> ^{-/-} mice. <i>World Journal of Gastrointestinal Pharmacology and Therapeutics</i> , 2015, 6, 223.	1.1	9
71	Differential Surface Deposition of Complement Proteins on Logarithmic and Stationary Phase <i>Leishmania chagasi</i> Promastigotes. <i>Journal of Parasitology</i> , 2012, 98, 1109-1116.	0.7	8
72	Stearidonic Acid-Enriched Soybean Oil Modulates Obesity, Glucose Metabolism, and Fatty Acid Profiles Independently of <i>Akkermansia muciniphila</i> . <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000162.	3.3	8

#	ARTICLE	IF	CITATIONS
73	Combinatorial evaluation of in vivo distribution of polyanhydride particle-based platforms for vaccine delivery. <i>International Journal of Nanomedicine</i> , 2013, 8, 2213.	6.7	7
74	Wild primate microbiomes prevent weight gain in germ-free mice. <i>Animal Microbiome</i> , 2020, 2, 16.	3.8	7
75	Temporal Dynamics of Chronic Inflammation on the Cecal Microbiota in IL-10 ^{-/-} Mice. <i>Frontiers in Immunology</i> , 2020, 11, 585431.	4.8	6
76	Characterization of DNA Sequences that Confer Complement Resistance in <i>Leishmania chagasi</i> . <i>Annals of the New York Academy of Sciences</i> , 2008, 1149, 347-351.	3.8	5
77	Reduced Hamster Usage and Stress in Propagating <i>Leishmania chagasi</i> Promastigotes Using Cryopreservation and Saphenous Vein Inoculation. <i>Journal of Parasitology</i> , 2010, 96, 103-108.	0.7	5
78	The diet-microbiota axis: a key regulator of intestinal permeability in human health and disease. <i>Tissue Barriers</i> , 2023, 11, .	3.2	5
79	IL-2 limits IL-12 enhanced lymphocyte proliferation during <i>Leishmania amazonensis</i> infection. <i>Cellular Immunology</i> , 2011, 270, 32-39.	3.0	4
80	Resistant starch: A promising ingredient and health promoter. <i>PharmaNutrition</i> , 2022, 21, 100304.	1.7	1
81	Exploring the Role of Proline Metabolism in <i>Helicobacter</i> Pathogenicity. <i>FASEB Journal</i> , 2015, 29, 573.49.	0.5	0