

Federico E Rey

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

22,359
citations

81900

39
h-index

114465

63
g-index

71
all docs

71
docs citations

71
times ranked

28131
citing authors

#	ARTICLE	IF	CITATIONS
1	Vocal fold mucus layer: Comparison of histological protocols for visualization in mice. <i>Laryngoscope Investigative Otolaryngology</i> , 2022, 7, 444-453.	1.5	1
2	Polysaccharide utilization loci in <i>Bacteroides</i> determine population fitness and community-level interactions. <i>Cell Host and Microbe</i> , 2022, 30, 200-215.e12.	11.0	40
3	The microbial gbu gene cluster links cardiovascular disease risk associated with red meat consumption to microbiota l-carnitine catabolism. <i>Nature Microbiology</i> , 2022, 7, 73-86.	13.3	36
4	The human gut microbiota contributes to type-2 diabetes non-resolution 5-years after Roux-en-Y gastric bypass. <i>Gut Microbes</i> , 2022, 14, 2050635.	9.8	15
5	A secondary metabolite drives intraspecies antagonism in a gut symbiont that is inhibited by cell-wall acetylation. <i>Cell Host and Microbe</i> , 2022, 30, 824-835.e6.	11.0	10
6	18F-SynVesT-1 PET/MR Imaging of the Effect of Gut Microbiota on Synaptic Density and Neurite Microstructure: A Preclinical Pilot Study. <i>Frontiers in Radiology</i> , 2022, 2, .	2.0	0
7	Extraction optimization for combined metabolomics, peptidomics, and proteomics analysis of gut microbiota samples. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4625.	1.6	6
8	Gut microbiome variation modulates the effects of dietary fiber on host metabolism. <i>Microbiome</i> , 2021, 9, 117.	11.1	61
9	Gut microbes impact stroke severity via the trimethylamine N-oxide pathway. <i>Cell Host and Microbe</i> , 2021, 29, 1199-1208.e5.	11.0	78
10	Identification of sample mix-ups and mixtures in microbiome data in Diversity Outbred mice. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2
11	Aronia berry polyphenols have matrix-dependent effects on the gut microbiota. <i>Food Chemistry</i> , 2021, 359, 129831.	8.2	22
12	Differential Catabolism of an Anthocyanin-Rich Elderberry Extract by Three Gut Microbiota Bacterial Species. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 1837-1843.	5.2	22
13	Selective Bacterial Colonization of the Murine Larynx in a Gnotobiotic Model. <i>Frontiers in Microbiology</i> , 2020, 11, 594617.	3.5	4
14	Integrated Label-Free and 10-Plex DiLeu Isobaric Tag Quantitative Methods for Profiling Changes in the Mouse Hypothalamic Neuropeptidome and Proteome: Assessment of the Impact of the Gut Microbiome. <i>Analytical Chemistry</i> , 2020, 92, 14021-14030.	6.5	11
15	Effects of Smoking and Smoking Cessation on the Intestinal Microbiota. <i>Journal of Clinical Medicine</i> , 2020, 9, 2963.	2.4	25
16	A Cardiovascular Disease-Linked Gut Microbial Metabolite Acts via Adrenergic Receptors. <i>Cell</i> , 2020, 180, 862-877.e22.	28.9	397
17	Gut-derived Flavonifractor species variants are differentially enriched during in vitro incubation with quercetin. <i>PLoS ONE</i> , 2020, 15, e0227724.	2.5	6
18	The emerging role of gut microbial metabolism on cardiovascular disease. <i>Current Opinion in Microbiology</i> , 2019, 50, 64-70.	5.1	36

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19	Genetic determinants of gut microbiota composition and bile acid profiles in mice. PLoS Genetics, 2019, 15, e1008073.	3.5	75
20	Trimethylamine N-Oxide Binds and Activates PERK to Promote Metabolic Dysfunction. Cell Metabolism, 2019, 30, 1141-1151.e5.	16.2	215
21	Close social relationships correlate with human gut microbiota composition. Scientific Reports, 2019, 9, 703.	3.3	134
22	Bacteroides thetaiotaomicron Starch Utilization Promotes Quercetin Degradation and Butyrate Production by Eubacterium ramulus. Frontiers in Microbiology, 2019, 10, 1145.	3.5	41
23	Autometa: automated extraction of microbial genomes from individual shotgun metagenomes. Nucleic Acids Research, 2019, 47, e57-e57.	14.5	69
24	Critical symbiont signals drive both local and systemic changes in diel and developmental host gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7990-7999.	7.1	31
25	Loss of Gut Microbiota Alters Immune System Composition and Cripples Postinfarction Cardiac Repair. Circulation, 2019, 139, 647-659.	1.6	183
26	The Influence of Social Conditions Across the Life Course on the Human Gut Microbiota: A Pilot Project With the Wisconsin Longitudinal Study. Journals of Gerontology - Series B Psychological Sciences and Social Sciences, 2018, 73, 124-133.	3.9	15
27	Untargeted metabolomics identifies trimethyllysine, a TMAO-producing nutrient precursor, as a predictor of incident cardiovascular disease risk. JCI Insight, 2018, 3, .	5.0	122
28	Gut Microbial and Metabolic Responses to Salmonella enterica Serovar Typhimurium and Candida albicans. MBio, 2018, 9, .	4.1	31
29	The gut microbiota-derived metabolite trimethylamine N-oxide is elevated in Alzheimer's disease. Alzheimer's Research and Therapy, 2018, 10, 124.	6.2	273
30	Interactions between Roseburia intestinalis and diet modulate atherogenesis in a murine model. Nature Microbiology, 2018, 3, 1461-1471.	13.3	310
31	Social and population health science approaches to understand the human microbiome. Nature Human Behaviour, 2018, 2, 808-815.	12.0	33
32	Microbial Transplantation With Human Gut Commensals Containing CutC Is Sufficient to Transmit Enhanced Platelet Reactivity and Thrombosis Potential. Circulation Research, 2018, 123, 1164-1176.	4.5	122
33	A common antimicrobial additive increases colonic inflammation and colitis-associated colon tumorigenesis in mice. Science Translational Medicine, 2018, 10, .	12.4	117
34	Fecal Aliquot Straw Technique (FAST) allows for easy and reproducible subsampling: assessing interpersonal variation in trimethylamine-N-oxide (TMAO) accumulation. Microbiome, 2018, 6, 91.	11.1	20
35	Is maternal microbial metabolism an early-life determinant of health?. Lab Animal, 2018, 47, 239-243.	0.4	13
36	Sexual dimorphism of cardiometabolic dysfunction: Gut microbiome in the play?. Molecular Metabolism, 2018, 15, 70-81.	6.5	49

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37	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. <i>Cell Reports</i> , 2017, 18, 1739-1750.	6.4	143
38	Chemical signaling between gut microbiota and host chromatin: What is your gut really saying?. <i>Journal of Biological Chemistry</i> , 2017, 292, 8582-8593.	3.4	41
39	Gut microbiome alterations in Alzheimer's disease. <i>Scientific Reports</i> , 2017, 7, 13537.	3.3	1,256
40	Metabolic, Epigenetic, and Transgenerational Effects of Gut Bacterial Choline Consumption. <i>Cell Host and Microbe</i> , 2017, 22, 279-290.e7.	11.0	144
41	The Plot Thickens: Diet Microbe Interactions May Modulate Thrombosis Risk. <i>Cell Metabolism</i> , 2016, 23, 573-575.	16.2	9
42	Diet-Microbiota Interactions Mediate Global Epigenetic Programming in Multiple Host Tissues. <i>Molecular Cell</i> , 2016, 64, 982-992.	9.7	405
43	Intestinal Microbiota Composition Modulates Choline Bioavailability from Diet and Accumulation of the Proatherogenic Metabolite Trimethylamine- <i>N</i> -Oxide. <i>MBio</i> , 2015, 6, e02481.	4.1	535
44	Bacteria from Diverse Habitats Colonize and Compete in the Mouse Gut. <i>Cell</i> , 2014, 159, 253-266.	28.9	324
45	Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. <i>Science</i> , 2013, 341, 1241-1244.	12.6	3,006
46	Olfactory receptor responding to gut microbiota-derived signals plays a role in renin secretion and blood pressure regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4410-4415.	7.1	893
47	Metabolic niche of a prominent sulfate-reducing human gut bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13582-13587.	7.1	318
48	Fatty Acid Synthase Modulates Intestinal Barrier Function through Palmitoylation of Mucin 2. <i>Cell Host and Microbe</i> , 2012, 11, 140-152.	11.0	139
49	Human gut microbiome viewed across age and geography. <i>Nature</i> , 2012, 486, 222-227.	27.8	6,247
50	Predicting a Human Gut Microbiota's Response to Diet in Gnotobiotic Mice. <i>Science</i> , 2011, 333, 101-104.	12.6	480
51	FixK, a global regulator of microaerobic growth, controls photosynthesis in <i>Rhodospseudomonas palustris</i> . <i>Molecular Microbiology</i> , 2010, 75, 1007-1020.	2.5	55
52	Creating and characterizing communities of human gut microbes in gnotobiotic mice. <i>ISME Journal</i> , 2010, 4, 1094-1098.	9.8	116
53	Dissecting the in Vivo Metabolic Potential of Two Human Gut Acetogens. <i>Journal of Biological Chemistry</i> , 2010, 285, 22082-22090.	3.4	332
54	Characterizing a model human gut microbiota composed of members of its two dominant bacterial phyla. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5859-5864.	7.1	612

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55	The Effect of Diet on the Human Gut Microbiome: A Metagenomic Analysis in Humanized Gnotobiotic Mice. <i>Science Translational Medicine</i> , 2009, 1, 6ra14.	12.4	2,492
56	Effects of the gut microbiota on host adiposity are modulated by the short-chain fatty-acid binding G protein-coupled receptor, Gpr41. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 16767-16772.	7.1	1,279
57	Redirection of Metabolism for Biological Hydrogen Production. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1665-1671.	3.1	149
58	Hydrogen Production by Photoreactive Nanoporous Latex Coatings of Nongrowing <i>Rhodopseudomonas palustris</i> CGA009. <i>Biotechnology Progress</i> , 2007, 23, 124-130.	2.6	69
59	Regulation of Uptake Hydrogenase and Effects of Hydrogen Utilization on Gene Expression in <i>Rhodopseudomonas palustris</i> . <i>Journal of Bacteriology</i> , 2006, 188, 6143-6152.	2.2	111
60	Functional Genomic Analysis of Three Nitrogenase Isozymes in the Photosynthetic Bacterium <i>Rhodopseudomonas palustris</i> . <i>Journal of Bacteriology</i> , 2005, 187, 7784-7794.	2.2	154
61	Perivascular Superoxide Anion Contributes to Impairment of Endothelium-Dependent Relaxation. <i>Circulation</i> , 2002, 106, 2497-2502.	1.6	105
62	The Reactive Adventitia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 1962-1971.	2.4	161
63	Vascular Effects Following Homozygous Disruption of p47 ^{phox} . <i>Circulation</i> , 2000, 101, 1234-1236.	1.6	152