

David R Hill

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,999
citations

331670

21
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

4504
citing authors

#	ARTICLE	IF	CITATIONS
1	In vitro generation of human pluripotent stem cell derived lung organoids. <i>ELife</i> , 2015, 4, .	6.0	605
2	Generation of lung organoids from human pluripotent stem cells in vitro. <i>Nature Protocols</i> , 2019, 14, 518-540.	12.0	274
3	The human milk oligosaccharide 2- α -fucosyllactose modulates CD14 expression in human enterocytes, thereby attenuating LPS-induced inflammation. <i>Gut</i> , 2016, 65, 33-46.	12.1	217
4	Transcriptome-wide Analysis Reveals Hallmarks of Human Intestine Development and Maturation In Vitro and In Vivo. <i>Stem Cell Reports</i> , 2015, 4, 1140-1155.	4.8	201
5	Differentiation of Human Pluripotent Stem Cells into Colonic Organoids via Transient Activation of BMP Signaling. <i>Cell Stem Cell</i> , 2017, 21, 51-64.e6.	11.1	198
6	In Vitro Induction and In Vivo Engraftment of Lung Bud Tip Progenitor Cells Derived from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 101-119.	4.8	192
7	Microbial Metabolite Signaling Is Required for Systemic Iron Homeostasis. <i>Cell Metabolism</i> , 2020, 31, 115-130.e6.	16.2	172
8	Morphogenesis and maturation of the embryonic and postnatal intestine. <i>Seminars in Cell and Developmental Biology</i> , 2017, 66, 81-93.	5.0	149
9	Bacterial colonization stimulates a complex physiological response in the immature human intestinal epithelium. <i>ELife</i> , 2017, 6, .	6.0	132
10	Heterogeneity of Human Breast Stem and Progenitor Cells as Revealed by Transcriptional Profiling. <i>Stem Cell Reports</i> , 2018, 10, 1596-1609.	4.8	112
11	Clinical applications of bioactive milk components. <i>Nutrition Reviews</i> , 2015, 73, 463-476.	5.8	92
12	Specific-sized Hyaluronan Fragments Promote Expression of Human β -Defensin 2 in Intestinal Epithelium. <i>Journal of Biological Chemistry</i> , 2012, 287, 30610-30624.	3.4	70
13	Identification, isolation, and characterization of human LGR5-positive colon adenoma cells. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	70
14	Human Milk Hyaluronan Enhances Innate Defense of the Intestinal Epithelium. <i>Journal of Biological Chemistry</i> , 2013, 288, 29090-29104.	3.4	69
15	Astrovirus replication in human intestinal enteroids reveals multi-cellular tropism and an intricate host innate immune landscape. <i>PLoS Pathogens</i> , 2019, 15, e1008057.	4.7	69
16	Gastrointestinal Organoids: Understanding the Molecular Basis of the Host-Microbe Interface. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 3, 138-149.	4.5	68
17	Induced organoids derived from patients with ulcerative colitis recapitulate colitic reactivity. <i>Nature Communications</i> , 2021, 12, 262.	12.8	51
18	Platelet hyaluronidase-2: an enzyme that translocates to the surface upon activation to function in extracellular matrix degradation. <i>Blood</i> , 2015, 125, 1460-1469.	1.4	46

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19	Hyaluronan-Mediated Leukocyte Adhesion and Dextran Sulfate Sodium-Induced Colitis Are Attenuated in the Absence of Signal Transducer and Activator of Transcription 1. <i>American Journal of Pathology</i> , 2008, 173, 1361-1368.	3.8	38
20	Multifunctional Benefits of Prevalent HMOs: Implications for Infant Health. <i>Nutrients</i> , 2021, 13, 3364.	4.1	38
21	Real-time Measurement of Epithelial Barrier Permeability in Human Intestinal Organoids. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	33
22	LGR4 and LGR5 Function Redundantly During Human Endoderm Differentiation. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016, 2, 648-662.e8.	4.5	22
23	Generation of small intestinal organoids for experimental intestinal physiology. <i>Methods in Cell Biology</i> , 2020, 159, 143-174.	1.1	18
24	Pasteurized Donor Human Milk Maintains Microbiological Purity for 4 Days at 4°C. <i>Journal of Human Lactation</i> , 2015, 31, 401-405.	1.6	17
25	Salmonella enterica Serovar Typhimurium SPI-1 and SPI-2 Shape the Global Transcriptional Landscape in a Human Intestinal Organoid Model System. <i>MBio</i> , 2021, 12, .	4.1	15
26	Comparative transcriptional profiling of the early host response to infection by typhoidal and non-typhoidal Salmonella serovars in human intestinal organoids. <i>PLoS Pathogens</i> , 2021, 17, e1009987.	4.7	12
27	The Lumen of Human Intestinal Organoids Poses Greater Stress to Bacteria Compared to the Germ-Free Mouse Intestine: Escherichia coli Deficient in RpoS as a Colonization Probe. <i>MSphere</i> , 2020, 5, .	2.9	4
28	3343 Identification of host-microbial interaction networks that mediate intestinal epithelial barrier function in necrotizing enterocolitis. <i>Journal of Clinical and Translational Science</i> , 2019, 3, 13-13.	0.6	0