

Raquel Hontecillas

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,151
citations

430874

18
h-index

477307

29
g-index

32
all docs

32
docs citations

32
times ranked

1608
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation of PPAR $\hat{3}$ and $\hat{1}$ by conjugated linoleic acid mediates protection from experimental inflammatory bowel disease. <i>Gastroenterology</i> , 2004, 127, 777-791.	1.3	354
2	Systems Modeling of Molecular Mechanisms Controlling Cytokine-driven CD4+ T Cell Differentiation and Phenotype Plasticity. <i>PLoS Computational Biology</i> , 2013, 9, e1003027.	3.2	111
3	Predictive Computational Modeling of the Mucosal Immune Responses during <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2013, 8, e73365.	2.5	53
4	Systems Modeling of the Role of Interleukin-21 in the Maintenance of Effector CD4 ⁺ T Cell Responses during Chronic <i>Helicobacter pylori</i> Infection. <i>MBio</i> , 2014, 5, e01243-14.	4.1	52
5	NLRX1 Regulates Effector and Metabolic Functions of CD4+ T Cells. <i>Journal of Immunology</i> , 2017, 198, 2260-2268.	0.8	47
6	NLRX1 Modulates Immunometabolic Mechanisms Controlling the Host-Gut Microbiota Interactions during Inflammatory Bowel Disease. <i>Frontiers in Immunology</i> , 2018, 9, 363.	4.8	42
7	<i>Helicobacter pylori</i> Colonization Ameliorates Glucose Homeostasis in Mice through a PPAR $\hat{3}$ -Dependent Mechanism. <i>PLoS ONE</i> , 2012, 7, e50069.	2.5	37
8	Dietary abscisic acid ameliorates influenza-virus-associated disease and pulmonary immunopathology through a PPAR $\hat{3}$ -dependent mechanism. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1019-1027.	4.2	36
9	ENteric Immunity Simulator: A Tool for In Silico Study of Gastroenteric Infections. <i>IEEE Transactions on Nanobioscience</i> , 2012, 11, 273-288.	3.3	34
10	Systems-wide analyses of mucosal immune responses to <i>Helicobacter pylori</i> at the interface between pathogenicity and symbiosis. <i>Gut Microbes</i> , 2016, 7, 3-21.	9.8	34
11	Modulation of Immune Signaling and Metabolism Highlights Host and Fungal Transcriptional Responses in Mouse Models of Invasive Pulmonary Aspergillosis. <i>Scientific Reports</i> , 2017, 7, 17096.	3.3	33
12	Modeling the Regulatory Mechanisms by Which NLRX1 Modulates Innate Immune Responses to <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2015, 10, e0137839.	2.5	32
13	CD4+ T-cell responses and distribution at the colonic mucosa during <i>Brachyspira hyodysenteriae</i> -induced colitis in pigs. <i>Immunology</i> , 2005, 115, 127-135.	4.4	30
14	Animal models of enteroaggregative <i>Escherichia coli</i> infection. <i>Gut Microbes</i> , 2013, 4, 281-291.	9.8	27
15	Bistability analyses of CD4+ T follicular helper and regulatory cells during <i>Helicobacter pylori</i> infection. <i>Journal of Theoretical Biology</i> , 2016, 398, 74-84.	1.7	25
16	Activation of NLRX1 by NX-13 Alleviates Inflammatory Bowel Disease through Immunometabolic Mechanisms in CD4+ T Cells. <i>Journal of Immunology</i> , 2019, 203, 3407-3415.	0.8	25
17	Cooperation of Gastric Mononuclear Phagocytes with <i>Helicobacter pylori</i> during Colonization. <i>Journal of Immunology</i> , 2017, 198, 3195-3204.	0.8	23
18	Novel insights on the role of CD8+ T cells and cytotoxic responses during <i>Helicobacter pylori</i> infection. <i>Gut Microbes</i> , 2014, 5, 357-362.	9.8	22

#	ARTICLE	IF	CITATIONS
19	Activation of LANCL2 by BT-11 Ameliorates IBD by Supporting Regulatory T Cell Stability Through Immunometabolic Mechanisms. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1978-1991.	1.9	17
20	NLRX1 is a key regulator of immune signaling during invasive pulmonary aspergillosis. <i>PLoS Pathogens</i> , 2020, 16, e1008854.	4.7	16
21	Exploratory studies with NX-13: oral toxicity and pharmacokinetics in rodents of an orally active, gut-restricted first-in-class therapeutic for IBD that targets NLRX1. <i>Drug and Chemical Toxicology</i> , 2022, 45, 209-214.	2.3	15
22	Modeling the Role of Lanthionine Synthetase C-Like 2 (LANCL2) in the Modulation of Immune Responses to <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2016, 11, e0167440.	2.5	15
23	The Role of Peroxisome Proliferator-Activated Receptor β in Immune Responses to Enterogastric <i>Escherichia coli</i> Infection. <i>PLoS ONE</i> , 2013, 8, e57812.	2.5	14
24	High-resolution computational modeling of immune responses in the gut. <i>GigaScience</i> , 2019, 8, .	6.4	13
25	Differential requirements for proliferation of CD4+ and β T cells to spirochetal antigens. <i>Cellular Immunology</i> , 2003, 224, 38-46.	3.0	12
26	Agents and networks to model the dynamic interactions of intracellular transport. <i>Cellular Logistics</i> , 2017, 7, e1392401.	0.9	9
27	Identification of new regulatory genes through expression pattern analysis of a global RNA-seq dataset from a <i>Helicobacter pylori</i> co-culture system. <i>Scientific Reports</i> , 2020, 10, 11506.	3.3	9
28	Increasing the Density of Laboratory Measures for Machine Learning Applications. <i>Journal of Clinical Medicine</i> , 2021, 10, 103.	2.4	8
29	Multi-Resolution Sensitivity Analysis of Model of Immune Response to <i>Helicobacter pylori</i> Infection via Spatio-Temporal Metamodeling. <i>Frontiers in Applied Mathematics and Statistics</i> , 2019, 5, .	1.3	6
30	From Nutritional Immunology to Drug Development. , 2018, , 41-56.		0
31	Preclinical Studies: Efficacy and Safety. , 2018, , 25-40.		0