Martin Rumbo

List of Publications by Year in descending order

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49 papers	2,244 citations	257450 24 h-index	223800 46 g-index
51 all docs	51 docs citations	51 times ranked	3308 citing authors

#	Article	IF	Citations
1	Bacterial flagellins: mediators of pathogenicity and host immune responses in mucosa. Trends in Microbiology, 2004, 12, 509-517.	7.7	422
2	Lactate and short chain fatty acids produced by microbial fermentation downregulate proinflammatory responses in intestinal epithelial cells and myeloid cells. Immunobiology, 2015, 220, 1161-1169.	1.9	220
3	Outer membrane vesicles as acellular vaccine against pertussis. Vaccine, 2008, 26, 4639-4646.	3.8	156
4	Deletion of Flagellinâ€™s Hypervariable Region Abrogates Antibody-Mediated Neutralization and Systemic Activation of TLR5-Dependent Immunity. Journal of Immunology, 2008, 181, 2036-2043.	0.8	106
5	Lactate Inhibits the Pro-Inflammatory Response and Metabolic Reprogramming in Murine Macrophages in a GPR81-Independent Manner. PLoS ONE, 2016, 11, e0163694.	2.5	104
6	Outer membrane vesicles obtained from Bordetella pertussis Tohama expressing the lipid A deacylase PagL as a novel acellular vaccine candidate. Vaccine, 2011, 29, 1649-1656.	3.8	96
7	Lymphotoxin Î² receptor signaling induces the chemokine CCL20 in intestinal epithelium. Gastroenterology, 2004, 127, 213-223.	1.3	89
8	Down-regulation of intestinal epithelial innate response by probiotic yeasts isolated from kefir. International Journal of Food Microbiology, 2010, 140, 102-108.	4.7	87
9	Mucosal interplay among commensal and pathogenic bacteria: Lessons from flagellin and Tollâ€like receptor 5. FEBS Letters, 2006, 580, 2976-2984.	2.8	66
10	Acellular pertussis vaccine based on outer membrane vesicles capable of conferring both long-lasting immunity and protection against different strain genotypes. Vaccine, 2014, 32, 931-937.	3.8	63
11	Local Treatment with Lactate Prevents Intestinal Inflammation in the TNBS-Induced Colitis Model. Frontiers in Immunology, 2016, 7, 651.	4.8	63
12	Is lactate an undervalued functional component of fermented food products?. Frontiers in Microbiology, 2015, 6, 629.	3.5	60
13	Compartmentalized Antimicrobial Defenses in Response to Flagellin. Trends in Microbiology, 2018, 26, 423-435.	7.7	53
14	Changes in the transcriptional profile of transporters in the intestine along the anterior-posterior and crypt-villus axes. BMC Genomics, 2005, 6, 69.	2.8	49
15	Novel Markers of the Human Follicleâ€”Associated Epithelium Identified by Genomic Profiling and Microdissection. Gastroenterology, 2005, 129, 321-327.	1.3	49
16	The role of lactate on the immunomodulatory properties of the nonbacterial fraction of kefir. Food Research International, 2014, 62, 247-253.	6.2	38
17	Development of improved pertussis vaccine. Human Vaccines and Immunotherapeutics, 2014, 10, 2450-2453.	3.3	34
18	A galectinâ€specific signature in the gut delineates <scp>C</scp>rohn's disease and ulcerative colitis from other human inflammatory intestinal disorders. BioFactors, 2016, 42, 93-105.	5.4	34

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19	Analysis of Structural Properties and Immunochemical Reactivity of Heat-Treated Ovalbumin. Journal of Agricultural and Food Chemistry, 1996, 44, 3793-3798.	5.2	31
20	Flagellin delays spontaneous human neutrophil apoptosis. Laboratory Investigation, 2010, 90, 1049-1059.	3.7	31
21	Canonical and Non-canonical Inflammasome Activation by Outer Membrane Vesicles Derived From Bordetella pertussis. Frontiers in Immunology, 2020, 11, 1879.	4.8	31
22	Toll-like receptor 4 orchestrates neutrophil recruitment into airways during the first hours of Bordetella pertussis infection. Microbes and Infection, 2013, 15, 708-718.	1.9	29
23	Recombinant flagellins with deletions in domains D1, D2, and D3: Characterization as novel immunoadjuvants. Vaccine, 2019, 37, 652-663.	3.8	28
24	How the Gut Links Innate and Adaptive Immunity. Annals of the New York Academy of Sciences, 2004, 1029, 16-21.	3.8	27
25	Analysis of the Effects of Heat Treatment on Gliadin Immunochemical Quantification Using a Panel of Anti-prolamin Antibodies. Journal of Agricultural and Food Chemistry, 2001, 49, 5719-5726.	5.2	24
26	M1 macrophage subtypes activation and adipocyte dysfunction worsen during prolonged consumption of a fructose-rich diet. Journal of Nutritional Biochemistry, 2018, 61, 173-182.	4.2	23
27	â€œSpexin improves adipose tissue inflammation and macrophage recruitment in obese miceâ€• Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158700.	2.4	20
28	Polarized distribution of inducible nitric oxide synthase regulates activity in intestinal epithelial cells. FEBS Journal, 2005, 272, 444-453.	4.7	19
29	Toll-like receptor 5- and lymphotoxin Î² receptor-dependent epithelial Ccl20 expression involves the same NF-ÎºB binding site but distinct NF-ÎºB pathways and dynamics. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2009, 1789, 386-394.	1.9	18
30	Preparative Fractionation of Gliadins by Electrophoresis at pH 3.1 (A-PAGE). Journal of Agricultural and Food Chemistry, 1999, 47, 3243-3247.	5.2	17
31	Influence of thermal treatment of food on the immunochemical quantification of Gliadin. Food and Agricultural Immunology, 1996, 8, 195-203.	1.4	16
32	Brucella invasion of human intestinal epithelial cells elicits a weak proinflammatory response but a significant CCL20 secretion. FEMS Immunology and Medical Microbiology, 2012, 66, 45-57.	2.7	16
33	Innate immune responses to Proteus mirabilis flagellin in the urinary tract. Microbes and Infection, 2013, 15, 688-696.	1.9	15
34	Gut Permeability and Glucose Absorption Are Affected at Early Stages of Graft Rejection in a Small Bowel Transplant Rat Model. Transplantation Direct, 2017, 3, e220.	1.6	11
35	Modulatory properties of Lactobacillus paracasei fermented milks on gastric inflammatory conditions. International Dairy Journal, 2020, 111, 104839.	3.0	11
36	Transgenic Mouse Model Harboring the Transcriptional Fusion Ccl20-Luciferase as a Novel Reporter of Pro-Inflammatory Response. PLoS ONE, 2013, 8, e78447.	2.5	11

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37	A method for the purification of bacterial flagellin that allows simple upscaling. World Journal of Microbiology and Biotechnology, 2012, 28, 15-21.	3.6	9
38	Generation and selection of anti-flagellin monoclonal antibodies useful for serotyping Salmonella enterica. SpringerPlus, 2013, 2, 640.	1.2	9
39	Strategies and new developments to control pertussis, an actual health problem: Graphical Abstract Figure.. Pathogens and Disease, 2015, 73, ftv059.	2.0	8
40	A biorefinery concept for the production of fuel ethanol, probiotic yeast, and whey protein from a by-product of the cheese industry. Applied Microbiology and Biotechnology, 2021, 105, 3859-3871.	3.6	8
41	Analysis of Anti-Prolamin Monoclonal Antibody Reactivity Using Prolamin Fractions Purified by Preparative Electrophoresis. Food and Agricultural Immunology, 2000, 12, 41-52.	1.4	6
42	Immunosuppressive therapies after intestinal transplant modulate the expression of Th1 signature genes during acute cellular rejection. Implications in the search for rejection biomarkers. Clinical Transplantation, 2014, 28, 1365-1371.	1.6	6
43	Self-assembly of flagellin on Au(111) surfaces. Journal of Colloid and Interface Science, 2014, 433, 86-93.	9.4	6
44	Analysis of Anti-Gliadin Antibodies by Immunoblot Analysis and Enzyme-Linked Immunosorbent Assay Using Gliadin Fractions As Antigens. Journal of Pediatric Gastroenterology and Nutrition, 1999, 29, 171-177.	1.8	6
45	Galactomannan as a Potential Modulator of Intestinal Ischemiaâ€“Reperfusion Injury. Journal of Surgical Research, 2020, 249, 232-240.	1.6	5
46	Serum albumin level during intestinal exfoliative rejection: a potential predictor of graft recovery and patient outcome. Clinical Transplantation, 2013, 27, E137-42.	1.6	4
47	Immunoblotting of gliadins separated by acid PAGE: Analysis of electrotransference conditions. Food and Agricultural Immunology, 1997, 9, 135-139.	1.4	3
48	Intranasal administration of TLR agonists induces a discriminated local innate response along murine respiratory tract. Immunology Letters, 2015, 164, 33-39.	2.5	3
49	Fractionation of secalins and hordeins by preparative electrophoresis at acid pH. European Food Research and Technology, 2002, 214, 198-201.	3.3	1