Alain P Gobert

List of Publications by Year
in descending order

93 papers	3,496 citations	117571 34 h-index	143943 57 g-index
93 all docs	93 docs citations	93 times ranked	4155 citing authors

#	Article	IF	Citations
1	Spermine Oxidase Mediates the Gastric Cancer Risk Associated With Helicobacter pylori CagA. Gastroenterology, 2011, 141, 1696-1708.e2.	0.6	166
2	Helicobacter pylori Induces Macrophage Apoptosis by Activation of Arginase II. Journal of Immunology, 2002, 168, 4692-4700.	0.4	159
3	Helicobacter pylori Heat Shock Protein 60 Mediates Interleukin-6 Production by Macrophages via a Toll-like Receptor (TLR)-2-, TLR-4-, and Myeloid Differentiation Factor 88-independent Mechanism. Journal of Biological Chemistry, 2004, 279, 245-250.	1.6	151
4	Ornithine decarboxylase regulates M1 macrophage activation and mucosal inflammation via histone modifications. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E751-E760.	3.3	150
5	l -Arginine Availability Modulates Local Nitric Oxide Production and Parasite Killing in Experimental Trypanosomiasis. Infection and Immunity, 2000, 68, 4653-4657.	1.0	145
6	Induction of Polyamine Oxidase 1 by Helicobacter pylori Causes Macrophage Apoptosis by Hydrogen Peroxide Release and Mitochondrial Membrane Depolarization. Journal of Biological Chemistry, 2004, 279, 40161-40173.	1.6	141
7	Arginases in parasitic diseases. Trends in Parasitology, 2003, 19, 9-12.	1.5	126
8	Cutting Edge: Urease Release by Helicobacter pylori Stimulates Macrophage Inducible Nitric Oxide Synthase. Journal of Immunology, 2002, 168, 6002-6006.	0.4	121
9	Spermine Causes Loss of Innate Immune Response to Helicobacter pylori by Inhibition of Inducible Nitric-oxide Synthase Translation. Journal of Biological Chemistry, 2005, 280, 2409-2412.	1.6	114
10	Protective Role of Arginase in a Mouse Model of Colitis. Journal of Immunology, 2004, 173, 2109-2117.	0.4	112
11	Human Microbiota-Secreted Factors Inhibit Shiga Toxin Synthesis by Enterohemorrhagic Escherichia coli O157:H7. Infection and Immunity, 2009, 77, 783-790.	1.0	97
12	The role of polyamines in the regulation of macrophage polarization and function. Amino Acids, 2020, 52, 151-160.	1.2	93
13	The human intestinal microbiota of constipated-predominant irritable bowel syndrome patients exhibits anti-inflammatory properties. Scientific Reports, 2016, 6, 39399.	1.6	82
14	Immune Evasion byHelicobacter pyloriIs Mediated by Induction of Macrophage Arginase II. Journal of Immunology, 2011, 186, 3632-3641.	0.4	80
15	Polyamines Impair Immunity to Helicobacter pylori by Inhibiting L-Arginine Uptake Required for Nitric Oxide Production. Gastroenterology, 2010, 139, 1686-1698.e6.	0.6	78
16	Arginase II Restricts Host Defense to Helicobacter pylori by Attenuating Inducible Nitric Oxide Synthase Translation in Macrophages. Journal of Immunology, 2010, 184, 2572-2582.	0.4	76
17	Mouse Strain Susceptibility to Trypanosome Infection: An Arginase-Dependent Effect. Journal of Immunology, 2004, 172, 6298-6303.	0.4	75
18	Shiga Toxin Produced by Enterohemorrhagic Escherichia coli Inhibits PI3K/NF-Î¹B Signaling Pathway in Globotriaosylceramide-3-Negative Human Intestinal Epithelial Cells. Journal of Immunology, 2007, 178, 8168-8174.	0.4	75

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19	Differential expression of stx2 variants in Shiga toxin-producing Escherichia coli belonging to seropathotypes A and C. Microbiology (United Kingdom), 2008, 154, 176-186.	0.7	73
20	Nitric oxide inhibits Shiga-toxin synthesis by enterohemorrhagic Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10199-10204.	3.3	69
21	Helicobacter pylori Induces ERK-dependent Formation of a Phospho-c-FosÂ·c-Jun Activator Protein-1 Complex That Causes Apoptosis in Macrophages. Journal of Biological Chemistry, 2010, 285, 20343-20357.	1.6	69
22	Heme Oxygenase-1 Dysregulates Macrophage Polarization and the Immune Response to Helicobacter pylori. Journal of Immunology, 2014, 193, 3013-3022.	0.4	65
23	NsrR, GadE, and GadX Interplay in Repressing Expression of the Escherichia coli O157:H7 LEE Pathogenicity Island in Response to Nitric Oxide. PLoS Pathogens, 2014, 10, e1003874.	2.1	64
24	Epidermal growth factor receptor inhibition downregulatesHelicobacter pylori-induced epithelial inflammatory responses, DNA damage and gastric carcinogenesis. Gut, 2018, 67, 1247-1260.	6.1	63
25	Murine Macrophages Use Oxygen- and Nitric Oxide-Dependent Mechanisms To SynthesizeS-Nitroso-Albumin and To Kill Extracellular Trypanosomes. Infection and Immunity, 1998, 66, 4068-4072.	1.0	63
26	Arginine and polyamines in Helicobacter pylori-induced immune dysregulation and gastric carcinogenesis. Amino Acids, 2012, 42, 627-640.	1.2	58
27	Dietary Arginine Regulates Severity of Experimental Colitis and Affects the Colonic Microbiome. Frontiers in Cellular and Infection Microbiology, 2019, 9, 66.	1.8	58
28	Cutting Edge: Cyclooxygenase-2 Activation Suppresses Th1 Polarization in Response toHelicobacter pylori. Journal of Immunology, 2003, 171, 3913-3917.	0.4	55
29	Ornithine Decarboxylase in Macrophages Exacerbates Colitis and Promotes Colitis-Associated Colon Carcinogenesis by Impairing M1 Immune Responses. Cancer Research, 2018, 78, 4303-4315.	0.4	55
30	Polyamine- and NADPH-dependent generation of ROS during Helicobacter pylori infection: A blessing in disguise. Free Radical Biology and Medicine, 2017, 105, 16-27.	1.3	54
31	The Immune Battle against Helicobacter pylori Infection: NO Offense. Trends in Microbiology, 2016, 24, 366-376.	3.5	52
32	Spermine oxidase mediates Helicobacter pylori-induced gastric inflammation, DNA damage, and carcinogenic signaling. Oncogene, 2020, 39, 4465-4474.	2.6	46
33	Loss of solute carrier family 7 member 2 exacerbates inflammation-associated colon tumorigenesis. Oncogene, 2019, 38, 1067-1079.	2.6	41
34	Heme Oxygenase-1 Is a Critical Regulator of Nitric Oxide Production in Enterohemorrhagic Escherichia coli-Infected Human Enterocytes. Journal of Immunology, 2008, 180, 5720-5726.	0.4	40
35	Protective Role of Spermidine in Colitis and Colon Carcinogenesis. Gastroenterology, 2022, 162, 813-827.e8.	0.6	40
36	Distinct Immunomodulatory Effects of Spermine Oxidase in Colitis Induced by Epithelial Injury or Infection. Frontiers in Immunology, 2018, 9, 1242.	2.2	35

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37	Helicobacter: Inflammation, immunology, and vaccines. Helicobacter, 2018, 23, e12517.	1.6	34
38	Disruption of Nitric Oxide Signaling by Helicobacter pylori Results in Enhanced Inflammation by Inhibition of Heme Oxygenase-1. Journal of Immunology, 2011, 187, 5370-5379.	0.4	29
39	A secretome view of colonisation factors in Shiga toxin-encodingEscherichia coli(STEC): from enterohaemorrhagicE.Âcoli(EHEC) to related enteropathotypes. FEMS Microbiology Letters, 2016, 363, fnw179.	0.7	29
40	Human and Helicobacter pylori Interactions Determine the Outcome of Gastric Diseases. Current Topics in Microbiology and Immunology, 2017, 400, 27-52.	0.7	29
41	Haem oxygenase-1 inhibits phosphorylation of theHelicobacter pylorioncoprotein CagA in gastric epithelial cells. Cellular Microbiology, 2013, 15, 145-156.	1.1	26
42	CCL11 exacerbates colitis and inflammation-associated colon tumorigenesis. Oncogene, 2021, 40, 6540-6546.	2.6	25
43	The L-Arginine Transporter Solute Carrier Family 7 Member 2 Mediates the Immunopathogenesis of Attaching and Effacing Bacteria. PLoS Pathogens, 2016, 12, e1005984.	2.1	24
44	Î±-Difluoromethylornithine reduces gastric carcinogenesis by causing mutations in Helicobacter pylori cagY. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5077-5085.	3.3	24
45	Hypusination Orchestrates the Antimicrobial Response of Macrophages. Cell Reports, 2020, 33, 108510.	2.9	23
46	The NAG Sensor NagC Regulates LEE Gene Expression and Contributes to Gut Colonization by Escherichia coli O157:H7. Frontiers in Cellular and Infection Microbiology, 2017, 7, 134.	1.8	22
47	Bacterial Pathogens Hijack the Innate Immune Response by Activation of the Reverse Transsulfuration Pathway. MBio, 2019, 10, .	1.8	20
48	The role of polyamines in gastric cancer. Oncogene, 2021, 40, 4399-4412.	2.6	19
49	Induction and Regulation of the Innate Immune Response in Helicobacter pylori Infection. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1347-1363.	2.3	19
50	Cationic Amino Acid Transporter 2 Enhances Innate Immunity during Helicobacter pylori Infection. PLoS ONE, 2011, 6, e29046.	1.1	18
51	The c-di-GMP phosphodiesterase VmpA absent in Escherichia coli K12 strains affects motility and biofilm formation in the enterohemorrhagic O157:H7 serotype. Veterinary Immunology and Immunopathology, 2013, 152, 132-140.	0.5	18
52	BVES is required for maintenance of colonic epithelial integrity in experimental colitis by modifying intestinal permeability. Mucosal Immunology, 2018, 11, 1363-1374.	2.7	18
53	Dicarbonyl Electrophiles Mediate Inflammation-Induced Gastrointestinal Carcinogenesis. Gastroenterology, 2021, 160, 1256-1268.e9.	0.6	17
54	Modulation of chemokine gene expression by Shiga-toxin producing Escherichia coli belonging to various origins and serotypes. Microbes and Infection, 2008, 10, 159-165.	1.0	14

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55	Trypanosoma musculi Infection in Mice Critically Relies on Mannose Receptorâ€“Mediated Arginase Induction by a TbKHC1 Kinesin H Chain Homolog. Journal of Immunology, 2017, 199, 1762-1771.	0.4	10
56	Mechanism of Extracellular Thiol Nitrosylation by N2O3 Produced by Activated Macrophages. Nitric Oxide - Biology and Chemistry, 1999, 3, 467-472.	1.2	8
57	Editorial: Orchestration of macrophage polarization by polyamines. Journal of Leukocyte Biology, 2012, 91, 677-679.	1.5	8
58	Cystathionine Î³-lyase exacerbates Helicobacter pylori immunopathogenesis by promoting macrophage metabolic remodeling and activation. JCI Insight, 2022, 7, .	2.3	8
59	Methods to Evaluate Alterations in Polyamine Metabolism Caused by Helicobacter pylori Infection. Methods in Molecular Biology, 2011, 720, 409-425.	0.4	5
60	Interplay between enterohaemorrhagic Escherichia coli and nitric oxide during the infectious process. Emerging Microbes and Infections, 2020, 9, 1065-1076.	3.0	3
61	Tu1857 - Ornithine Decarboxylase in Macrophages Exacerbates Acute Colitis and Colitis-Associated Carcinogenesis by Impairing M1 Innate Immune Responses. Gastroenterology, 2018, 154, S-1039.	0.6	2
62	Helicobacter pylori -Induced Epidermal Growth Factor Receptor Phosphorylation Upregulates Inducible Nitric Oxide Synthase Expression and Nitric Oxide Production in Macrophages. Gastroenterology, 2011, 140, S-310.	0.6	1
63	Effect of CO2 on Peroxynitrite-Mediated Bacteria Killing: Response to Tsikas et al.. Trends in Microbiology, 2017, 25, 602-603.	3.5	1
64	1131 â€“ Spermine Oxidase Deletion Confers Protection from Helicobacter Pylori-Induced Gastric Inflammation and Dna Damage. Gastroenterology, 2019, 156, S-239.	0.6	1
65	721 The Human Microbiota Inhibits Shiga-Toxin Synthesis By Enterohemorrhagic Escherichia coli. Gastroenterology, 2008, 134, A-103.	0.6	0
66	W1639 Inadequate Inflammatory Response of the Colonic Mucosa to Enterohemorrhagic Escherichia coli Infection. Gastroenterology, 2009, 136, A-707.	0.6	0
67	M1682 Intestinal Inflammation and Irritable Bowel Syndrome: An Unexpected Role of the Gut Microbiota. Gastroenterology, 2009, 136, A-409.	0.6	0
68	263 Ornithine Decarboxylase Suppresses Inducible Nitric Oxide Synthase-Dependent Immune Response to Helicobacter pylori and Contributes to Persistence of Infection and Gastritis. Gastroenterology, 2010, 138, S-48-S-49.	0.6	0
69	654 Nitric Oxide Inhibits Helicobacter pylori-Induced Innate Immune Function of Gastric Epithelial Cells by a Heme Oxygenase-1-Dependent Pathway. Gastroenterology, 2010, 138, S-87.	0.6	0
70	Heterozygous Deletion of Ornithine Decarboxylase Restores Host Defense and Ameliorates Skewed TH1/TH17 Adaptive Immune Responses in Helicobacter pylori Infection. Gastroenterology, 2011, 140, S-85-S-86.	0.6	0
71	Induction of Heat Shock Factor-1 by Helicobacter pylori Blocks NF-ÎºB Activation and the Innate Immune Response of Gastric Epithelial Cells. Gastroenterology, 2011, 140, S-86.	0.6	0
72	Heme Oxygenase-1 Inhibits CagA Phosphorylation in Helicobacter pylori -Infected Gastric Epithelial Cells. Gastroenterology, 2011, 140, S-125.	0.6	0

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73	619 The Helicobacter pylori Bacterial Oncoprotein CagA is Upregulated Following Adherence to Gastric Epithelial Cells. Gastroenterology, 2012, 142, S-121.	0.6	0
74	778 Attenuation of the Macrophage Inflammatory Response to Helicobacter pylori is Mediated by p38 MAPK-Dependent Induction of Heme Oxygenase-1. Gastroenterology, 2012, 142, S-139.	0.6	0
75	99 Polyamines Mediate Helicobacter priori-Induced Gastric Carcinogenesis in Gerbils. Gastroenterology, 2013, 144, S-23.	0.6	0
76	101 Ornithine Decarboxylase Disrupts Host Immune Tolerance in Helicobacter pylori Infection by Attenuating Macrophage Production of TGF-Î² and Nitric Oxide. Gastroenterology, 2013, 144, S-24.	0.6	0
77	10 Deletion of the L-Arginine Transporter Solute Carrier Family 7, Member 2 (SLC7A2) Results in Increased Abundance of Firmicutes and Associated Protection From Citrobacter rodentium Colitis. Gastroenterology, 2016, 150, S3-S4.	0.6	0
78	Su1892 Epithelial Solute Carrier 7A2 Is Required for Attachment of the Colonic Pathogen Citrobacter Rodentium and Pro-Inflammatory Responses. Gastroenterology, 2016, 150, S581.	0.6	0
79	Tu1411 Spermine Oxidase Mediates the Epithelial Innate Immune Response to Attaching and Effacing Enteric Bacteria. Gastroenterology, 2016, 150, S898.	0.6	0
80	8 The Intestinal Microbiota of Irritable Bowel Syndrome Patients Attenuates DSS-Induced Colitis. Gastroenterology, 2016, 150, S3.	0.6	0
81	Hypusination is a Master Regulator of Helicobacter Pylori -Mediated Induction of the Innate Immune Response. Gastroenterology, 2017, 152, S667.	0.6	0
82	Inhibition of Epidermal Growth Factor Receptor Activation as a Strategy to Prevent helicobacter Pylori -Induced Epithelial Inflammatory Responses, DNA Damage, and Gastric Carcinogenesis. Gastroenterology, 2017, 152, S165.	0.6	0
83	Induction of the Cystathionine Î³-Lyase/Hydrogen Sulfide System by Helicobacter Pylori Contributes to Macrophage Activation. Gastroenterology, 2017, 152, S667.	0.6	0
84	Tu1283 - Nadph Oxidase 2 is a Source of Reactive Oxygen Species in Macrophages During Helicobacter Pylori Infection. Gastroenterology, 2018, 154, S-923.	0.6	0
85	1076 - Difluoromethylornithine Reduces Helicobacter Pylori Virulence and Induction of Inflammation and Carcinogenesis. Gastroenterology, 2018, 154, S-208.	0.6	0
86	Mo1984 - A Scavenger of Bifunctional Electrophiles Reduces Helicobacter Pylori -Induced Gastric Cancer. Gastroenterology, 2018, 154, S-872.	0.6	0
87	Su1949 - Dietary Arginine Supplementation Modulates the Colonic Microbiome and Improves Colitis Induced by C. Rodentium or Dextran Sulfate Sodium. Gastroenterology, 2018, 154, S-643.	0.6	0
88	1132 â€“ The Macrophage Reverse Transsulfuration Pathway Mediates Helicobacter Pylori Immunopathogenesis by Regulating Polyamine Metabolism. Gastroenterology, 2019, 156, S-239-S-240.	0.6	0
89	Sa1669 A SCAVENGER OF ELECTROPHILES REDUCES COLITIS-ASSOCIATED CARCINOGENESIS. Gastroenterology, 2020, 158, S-375-S-376.	0.6	0
90	Tu1289 MACROPHAGE CYSTATHIONINE GAMMA-LYASE CONTRIBUTES TO EXPERIMENTAL COLITIS IN A STIMULUS-DEPENDENT MANNER. Gastroenterology, 2020, 158, S-1045.	0.6	0

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91	17 TALIN-1 IS A NOVEL REGULATOR OF THE MACROPHAGE HOST RESPONSE TO HELICOBACTER PYLORI. Gastroenterology, 2020, 158, S-7.	0.6	0
92	1093 SPERMIDINE PROTECTS FROM COLITIS AND COLITIS-ASSOCIATED CARCINOGENESIS. Gastroenterology, 2020, 158, S-212.	0.6	0
93	678 CYSTATHIONINE GAMMA LYASE (CTH) IS A MASTER REGULATOR OF MACROPHAGE IMMUNOMETABOLISM IN THE RESPONSE TO HELICOBACTER PYLORI. Gastroenterology, 2021, 160, S-133-S-134.	0.6	0