

# Alain P Gobert

## List of Publications by Year in descending order

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93  
papers

3,496  
citations

117453

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docs citations

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times ranked

4155  
citing authors

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

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

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

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55	<i>Trypanosoma musclicoli</i> Infection in Mice Critically Relies on Mannose Receptor-Mediated Arginase Induction by a <i>TbKHC1</i> Kinesin H Chain Homolog. <i>Journal of Immunology</i> , 2017, 199, 1762-1771.	0.4	10
56	Mechanism of Extracellular Thiol Nitrosylation by N <sub>2</sub> O <sub>3</sub> Produced by Activated Macrophages. <i>Nitric Oxide - Biology and Chemistry</i> , 1999, 3, 467-472.	1.2	8
57	Editorial: Orchestration of macrophage polarization by polyamines. <i>Journal of Leukocyte Biology</i> , 2012, 91, 677-679.	1.5	8
58	Cystathionine $\beta$ -lyase exacerbates <i>Helicobacter pylori</i> immunopathogenesis by promoting macrophage metabolic remodeling and activation. <i>JCI Insight</i> , 2022, 7, .	2.3	8
59	Methods to Evaluate Alterations in Polyamine Metabolism Caused by <i>Helicobacter pylori</i> Infection. <i>Methods in Molecular Biology</i> , 2011, 720, 409-425.	0.4	5
60	Interplay between enterohaemorrhagic <i>Escherichia coli</i> and nitric oxide during the infectious process. <i>Emerging Microbes and Infections</i> , 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. <i>Gastroenterology</i> , 2018, 154, S-1039.	0.6	2
62	<i>Helicobacter pylori</i> -Induced Epidermal Growth Factor Receptor Phosphorylation Upregulates Inducible Nitric Oxide Synthase Expression and Nitric Oxide Production in Macrophages. <i>Gastroenterology</i> , 2011, 140, S-310.	0.6	1
63	Effect of CO <sub>2</sub> on Peroxynitrite-Mediated Bacteria Killing: Response to Tsikas et al.. <i>Trends in Microbiology</i> , 2017, 25, 602-603.	3.5	1
64	1131 Sperm Oxidase Deletion Confers Protection from <i>Helicobacter Pylori</i> -Induced Gastric Inflammation and Dna Damage. <i>Gastroenterology</i> , 2019, 156, S-239.	0.6	1
65	721 The Human Microbiota Inhibits Shiga-Toxin Synthesis By Enterohemorrhagic <i>Escherichia coli</i> . <i>Gastroenterology</i> , 2008, 134, A-103.	0.6	0
66	W1639 Inadequate Inflammatory Response of the Colonic Mucosa to Enterohemorrhagic <i>Escherichia coli</i> Infection. <i>Gastroenterology</i> , 2009, 136, A-707.	0.6	0
67	M1682 Intestinal Inflammation and Irritable Bowel Syndrome: An Unexpected Role of the Gut Microbiota. <i>Gastroenterology</i> , 2009, 136, A-409.	0.6	0
68	263 Ornithine Decarboxylase Suppresses Inducible Nitric Oxide Synthase-Dependent Immune Response to <i>Helicobacter pylori</i> and Contributes to Persistence of Infection and Gastritis. <i>Gastroenterology</i> , 2010, 138, S-48-S-49.	0.6	0
69	654 Nitric Oxide Inhibits <i>Helicobacter pylori</i> -Induced Innate Immune Function of Gastric Epithelial Cells by a Heme Oxygenase-1-Dependent Pathway. <i>Gastroenterology</i> , 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 <i>Helicobacter pylori</i> Infection. <i>Gastroenterology</i> , 2011, 140, S-85-S-86.	0.6	0
71	Induction of Heat Shock Factor-1 by <i>Helicobacter pylori</i> Blocks NF- $\kappa$ B Activation and the Innate Immune Response of Gastric Epithelial Cells. <i>Gastroenterology</i> , 2011, 140, S-86.	0.6	0
72	Heme Oxygenase-1 Inhibits CagA Phosphorylation in <i>Helicobacter pylori</i> -Infected Gastric Epithelial Cells. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 2012, 142, S-139.	0.6	0
75	99 Polyamines Mediate Helicobacter priori-Induced Gastric Carcinogenesis in Gerbils. <i>Gastroenterology</i> , 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- $\beta$ 2 and Nitric Oxide. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 2016, 150, S581.	0.6	0
79	Tu1411 Spermine Oxidase Mediates the Epithelial Innate Immune Response to Attaching and Effacing Enteric Bacteria. <i>Gastroenterology</i> , 2016, 150, S898.	0.6	0
80	8 The Intestinal Microbiota of Irritable Bowel Syndrome Patients Attenuates DSS-Induced Colitis. <i>Gastroenterology</i> , 2016, 150, S3.	0.6	0
81	Hypusination is a Master Regulator of Helicobacter Pylori -Mediated Induction of the Innate Immune Response. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 2017, 152, S165.	0.6	0
83	Induction of the Cystathionine $\beta$ -Lyase/Hydrogen Sulfide System by Helicobacter Pylori Contributes to Macrophage Activation. <i>Gastroenterology</i> , 2017, 152, S667.	0.6	0
84	Tu1283 - NADPH Oxidase 2 is a Source of Reactive Oxygen Species in Macrophages During Helicobacter Pylori Infection. <i>Gastroenterology</i> , 2018, 154, S-923.	0.6	0
85	1076 - Difluoromethylornithine Reduces Helicobacter Pylori Virulence and Induction of Inflammation and Carcinogenesis. <i>Gastroenterology</i> , 2018, 154, S-208.	0.6	0
86	Mo1984 - A Scavenger of Bifunctional Electrophiles Reduces Helicobacter Pylori -Induced Gastric Cancer. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 2018, 154, S-643.	0.6	0
88	1132 " The Macrophage Reverse Transsulfuration Pathway Mediates Helicobacter Pylori Immunopathogenesis by Regulating Polyamine Metabolism. <i>Gastroenterology</i> , 2019, 156, S-239-S-240.	0.6	0
89	Sa1669 A SCAVENGER OF ELECTROPHILES REDUCES COLITIS-ASSOCIATED CARCINOGENESIS. <i>Gastroenterology</i> , 2020, 158, S-375-S-376.	0.6	0
90	Tu1289 MACROPHAGE CYSTATHIONINE GAMMA-LYASE CONTRIBUTES TO EXPERIMENTAL COLITIS IN A STIMULUS-DEPENDENT MANNER. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 2020, 158, S-7.	0.6	0
92	1093 SPERMIDINE PROTECTS FROM COLITIS AND COLITIS-ASSOCIATED CARCINOGENESIS. <i>Gastroenterology</i> , 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. <i>Gastroenterology</i> , 2021, 160, S-133-S-134.	0.6	0