# Alain P Gobert

List of Publications by Year
in descending order



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|---|---|---|---|
| 93 papers | 3,496 citations | 117625 34 h-index | 144013 57 g-index |
| 93 all docs | 93 docs citations | 93 times ranked | 4155 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Protective Role of Spermidine in Colitis and Colon Carcinogenesis. Gastroenterology, 2022, 162, 813-827.e8. | 1.3 | 40 |
| 2 | Induction and Regulation of the Innate Immune Response in Helicobacter pylori Infection. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1347-1363. | 4.5 | 19 |
| 3 | Cystathionine Î³-lyase exacerbates Helicobacter pylori immunopathogenesis by promoting macrophage metabolic remodeling and activation. JCI Insight, 2022, 7, . | 5.0 | 8 |
| 4 | Dicarbonyl Electrophiles Mediate Inflammation-Induced Gastrointestinal Carcinogenesis. Gastroenterology, 2021, 160, 1256-1268.e9. | 1.3 | 17 |
| 5 | 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. | 1.3 | 0 |
| 6 | The role of polyamines in gastric cancer. Oncogene, 2021, 40, 4399-4412. | 5.9 | 19 |
| 7 | CCL11 exacerbates colitis and inflammation-associated colon tumorigenesis. Oncogene, 2021, 40, 6540-6546. | 5.9 | 25 |
| 8 | The role of polyamines in the regulation of macrophage polarization and function. Amino Acids, 2020, 52, 151-160. | 2.7 | 93 |
| 9 | Sa1669 A SCAVENGER OF ELECTROPHILES REDUCES COLITIS-ASSOCIATED CARCINOGENESIS. Gastroenterology, 2020, 158, S-375-S-376. | 1.3 | 0 |
| 10 | Tu1289 MACROPHAGE CYSTATHIONINE GAMMA-LYASE CONTRIBUTES TO EXPERIMENTAL COLITIS IN A STIMULUS-DEPENDENT MANNER. Gastroenterology, 2020, 158, S-1045. | 1.3 | 0 |
| 11 | Hypusination Orchestrates the Antimicrobial Response of Macrophages. Cell Reports, 2020, 33, 108510. | 6.4 | 23 |
| 12 | Spermine oxidase mediates Helicobacter pylori-induced gastric inflammation, DNA damage, and carcinogenic signaling. Oncogene, 2020, 39, 4465-4474. | 5.9 | 46 |
| 13 | 17 TALIN-1 IS A NOVEL REGULATOR OF THE MACROPHAGE HOST RESPONSE TO HELICOBACTER PYLORI. Gastroenterology, 2020, 158, S-7. | 1.3 | 0 |
| 14 | 1093 SPERMIDINE PROTECTS FROM COLITIS AND COLITIS-ASSOCIATED CARCINOGENESIS. Gastroenterology, 2020, 158, S-212. | 1.3 | 0 |
| 15 | Interplay between enterohaemorrhagic Escherichia coli and nitric oxide during the infectious process. Emerging Microbes and Infections, 2020, 9, 1065-1076. | 6.5 | 3 |
| 16 | 1132 â€“ The Macrophage Reverse Transsulfuration Pathway Mediates Helicobacter Pylori Immunopathogenesis by Regulating Polyamine Metabolism. Gastroenterology, 2019, 156, S-239-S-240. | 1.3 | 0 |
| 17 | 1131 â€“ Spermine Oxidase Deletion Confers Protection from Helicobacter Pylori-Induced Gastric Inflammation and Dna Damage. Gastroenterology, 2019, 156, S-239. | 1.3 | 1 |
| 18 | Dietary Arginine Regulates Severity of Experimental Colitis and Affects the Colonic Microbiome. Frontiers in Cellular and Infection Microbiology, 2019, 9, 66. | 3.9 | 58 |

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|---|---|---|---|
| 19 | 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. | 7.1 | 24 |
| 20 | Bacterial Pathogens Hijack the Innate Immune Response by Activation of the Reverse Transsulfuration Pathway. MBio, 2019, 10, . | 4.1 | 20 |
| 21 | Loss of solute carrier family 7 member 2 exacerbates inflammation-associated colon tumorigenesis. Oncogene, 2019, 38, 1067-1079. | 5.9 | 41 |
| 22 | Epidermal growth factor receptor inhibition downregulatesHelicobacter pylori-induced epithelial inflammatory responses, DNA damage and gastric carcinogenesis. Gut, 2018, 67, 1247-1260. | 12.1 | 63 |
| 23 | Helicobacter: Inflammation, immunology, and vaccines. Helicobacter, 2018, 23, e12517. | 3.5 | 34 |
| 24 | Tu1283 - Nadph Oxidase 2 is a Source of Reactive Oxygen Species in Macrophages During Helicobacter Pylori Infection. Gastroenterology, 2018, 154, S-923. | 1.3 | 0 |
| 25 | Ornithine Decarboxylase in Macrophages Exacerbates Colitis and Promotes Colitis-Associated Colon Carcinogenesis by Impairing M1 Immune Responses. Cancer Research, 2018, 78, 4303-4315. | 0.9 | 55 |
| 26 | 1076 - Difluoromethylornithine Reduces Helicobacter Pylori Virulence and Induction of Inflammation and Carcinogenesis. Gastroenterology, 2018, 154, S-208. | 1.3 | 0 |
| 27 | Mo1984 - A Scavenger of Bifunctional Electrophiles Reduces Helicobacter Pylori -Induced Gastric Cancer. Gastroenterology, 2018, 154, S-872. | 1.3 | 0 |
| 28 | Distinct Immunomodulatory Effects of Spermine Oxidase in Colitis Induced by Epithelial Injury or Infection. Frontiers in Immunology, 2018, 9, 1242. | 4.8 | 35 |
| 29 | Su1949 - Dietary Arginine Supplementation Modulates the Colonic Microbiome and Improves Colitis Induced by C. Rodentium or Dextran Sulfate Sodium. Gastroenterology, 2018, 154, S-643. | 1.3 | 0 |
| 30 | Tu1857 - Ornithine Decarboxylase in Macrophages Exacerbates Acute Colitis and Colitis-Associated Carcinogenesis by Impairing M1 Innate Immune Responses. Gastroenterology, 2018, 154, S-1039. | 1.3 | 2 |
| 31 | BVES is required for maintenance of colonic epithelial integrity in experimental colitis by modifying intestinal permeability. Mucosal Immunology, 2018, 11, 1363-1374. | 6.0 | 18 |
| 32 | 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. | 7.1 | 150 |
| 33 | Human and Helicobacter pylori Interactions Determine the Outcome of Gastric Diseases. Current Topics in Microbiology and Immunology, 2017, 400, 27-52. | 1.1 | 29 |
| 34 | Hypusination is a Master Regulator of Helicobacter Pylori -Mediated Induction of the Innate Immune Response. Gastroenterology, 2017, 152, S667. | 1.3 | 0 |
| 35 | Effect of CO2 on Peroxynitrite-Mediated Bacteria Killing: Response to Tsikas et al.. Trends in Microbiology, 2017, 25, 602-603. | 7.7 | 1 |
| 36 | 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. | 1.3 | 0 |

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| 37 | Induction of the Cystathionine Î³-Lyase/Hydrogen Sulfide System by Helicobacter Pylori Contributes to Macrophage Activation. Gastroenterology, 2017, 152, S667. | 1.3 | 0 |
| 38 | 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. | 0.8 | 10 |
| 39 | Polyamine- and NADPH-dependent generation of ROS during Helicobacter pylori infection: A blessing in disguise. Free Radical Biology and Medicine, 2017, 105, 16-27. | 2.9 | 54 |
| 40 | 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. | 3.9 | 22 |
| 41 | The L-Arginine Transporter Solute Carrier Family 7 Member 2 Mediates the Immunopathogenesis of Attaching and Effacing Bacteria. PLoS Pathogens, 2016, 12, e1005984. | 4.7 | 24 |
| 42 | The human intestinal microbiota of constipated-predominant irritable bowel syndrome patients exhibits anti-inflammatory properties. Scientific Reports, 2016, 6, 39399. | 3.3 | 82 |
| 43 | 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. | 1.3 | 0 |
| 44 | Su1892 Epithelial Solute Carrier 7A2 Is Required for Attachment of the Colonic Pathogen Citrobacter Rodentium and Pro-Inflammatory Responses. Gastroenterology, 2016, 150, S581. | 1.3 | 0 |
| 45 | 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. | 1.8 | 29 |
| 46 | Tu1411 Spermine Oxidase Mediates the Epithelial Innate Immune Response to Attaching and Effacing Enteric Bacteria. Gastroenterology, 2016, 150, S898. | 1.3 | 0 |
| 47 | 8 The Intestinal Microbiota of Irritable Bowel Syndrome Patients Attenuates DSS-Induced Colitis. Gastroenterology, 2016, 150, S3. | 1.3 | 0 |
| 48 | The Immune Battle against Helicobacter pylori Infection: NO Offense. Trends in Microbiology, 2016, 24, 366-376. | 7.7 | 52 |
| 49 | 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. | 4.7 | 64 |
| 50 | Heme Oxygenase-1 Dysregulates Macrophage Polarization and the Immune Response to Helicobacter pylori. Journal of Immunology, 2014, 193, 3013-3022. | 0.8 | 65 |
| 51 | 99 Polyamines Mediate Helicobacter priori-Induced Gastric Carcinogenesis in Gerbils. Gastroenterology, 2013, 144, S-23. | 1.3 | 0 |
| 52 | 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. | 1.3 | 0 |
| 53 | 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. | 1.2 | 18 |
| 54 | Haem oxygenase-1 inhibits phosphorylation of theHelicobacter pylorioncoprotein CagA in gastric epithelial cells. Cellular Microbiology, 2013, 15, 145-156. | 2.1 | 26 |

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| 55 | Editorial: Orchestration of macrophage polarization by polyamines. Journal of Leukocyte Biology, 2012, 91, 677-679. | 3.3 | 8 |
| 56 | 619 The Helicobacter pylori Bacterial Oncoprotein CagA is Upregulated Following Adherence to Gastric Epithelial Cells. Gastroenterology, 2012, 142, S-121. | 1.3 | 0 |
| 57 | 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. | 1.3 | 0 |
| 58 | Arginine and polyamines in Helicobacter pylori-induced immune dysregulation and gastric carcinogenesis. Amino Acids, 2012, 42, 627-640. | 2.7 | 58 |
| 59 | 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. | 1.3 | 1 |
| 60 | Spermine Oxidase Mediates the Gastric Cancer Risk Associated With Helicobacter pylori CagA. Gastroenterology, 2011, 141, 1696-1708.e2. | 1.3 | 166 |
| 61 | 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. | 1.3 | 0 |
| 62 | Induction of Heat Shock Factor-1 by Helicobacter pylori Blocks NF-Î²B Activation and the Innate Immune Response of Gastric Epithelial Cells. Gastroenterology, 2011, 140, S-86. | 1.3 | 0 |
| 63 | Heme Oxygenase-1 Inhibits CagA Phosphorylation in Helicobacter pylori -Infected Gastric Epithelial Cells. Gastroenterology, 2011, 140, S-125. | 1.3 | 0 |
| 64 | Cationic Amino Acid Transporter 2 Enhances Innate Immunity during Helicobacter pylori Infection. PLoS ONE, 2011, 6, e29046. | 2.5 | 18 |
| 65 | Immune Evasion byHelicobacter pyloriIs Mediated by Induction of Macrophage Arginase II. Journal of Immunology, 2011, 186, 3632-3641. | 0.8 | 80 |
| 66 | 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. | 0.8 | 29 |
| 67 | Methods to Evaluate Alterations in Polyamine Metabolism Caused by Helicobacter pylori Infection. Methods in Molecular Biology, 2011, 720, 409-425. | 0.9 | 5 |
| 68 | 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. | 3.4 | 69 |
| 69 | Arginase II Restricts Host Defense to Helicobacter pylori by Attenuating Inducible Nitric Oxide Synthase Translation in Macrophages. Journal of Immunology, 2010, 184, 2572-2582. | 0.8 | 76 |
| 70 | 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. | 1.3 | 0 |
| 71 | 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. | 1.3 | 0 |
| 72 | Polyamines Impair Immunity to Helicobacter pylori by Inhibiting L-Arginine Uptake Required for Nitric Oxide Production. Gastroenterology, 2010, 139, 1686-1698.e6. | 1.3 | 78 |

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| 73 | Human Microbiota-Secreted Factors Inhibit Shiga Toxin Synthesis by Enterohemorrhagic Escherichia coli O157:H7. Infection and Immunity, 2009, 77, 783-790. | 2.2 | 97 |
| 74 | W1639 Inadequate Inflammatory Response of the Colonic Mucosa to Enterohemorrhagic Escherichia coli Infection. Gastroenterology, 2009, 136, A-707. | 1.3 | 0 |
| 75 | M1682 Intestinal Inflammation and Irritable Bowel Syndrome: An Unexpected Role of the Gut Microbiota. Gastroenterology, 2009, 136, A-409. | 1.3 | 0 |
| 76 | Modulation of chemokine gene expression by Shiga-toxin producing Escherichia coli belonging to various origins and serotypes. Microbes and Infection, 2008, 10, 159-165. | 1.9 | 14 |
| 77 | 721 The Human Microbiota Inhibits Shiga-Toxin Synthesis By Enterohemorrhagic Escherichia coli. Gastroenterology, 2008, 134, A-103. | 1.3 | 0 |
| 78 | Differential expression of stx2 variants in Shiga toxin-producing Escherichia coli belonging to seropathotypes A and C. Microbiology (United Kingdom), 2008, 154, 176-186. | 1.8 | 73 |
| 79 | 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. | 0.8 | 40 |
| 80 | 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. | 0.8 | 75 |
| 81 | 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. | 7.1 | 69 |
| 82 | 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. | 3.4 | 114 |
| 83 | Mouse Strain Susceptibility to Trypanosome Infection: An Arginase-Dependent Effect. Journal of Immunology, 2004, 172, 6298-6303. | 0.8 | 75 |
| 84 | Protective Role of Arginase in a Mouse Model of Colitis. Journal of Immunology, 2004, 173, 2109-2117. | 0.8 | 112 |
| 85 | 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. | 3.4 | 151 |
| 86 | 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. | 3.4 | 141 |
| 87 | Arginases in parasitic diseases. Trends in Parasitology, 2003, 19, 9-12. | 3.3 | 126 |
| 88 | Cutting Edge: Cyclooxygenase-2 Activation Suppresses Th1 Polarization in Response toHelicobacter pylori. Journal of Immunology, 2003, 171, 3913-3917. | 0.8 | 55 |
| 89 | Helicobacter pylori Induces Macrophage Apoptosis by Activation of Arginase II. Journal of Immunology, 2002, 168, 4692-4700. | 0.8 | 159 |
| 90 | Cutting Edge: Urease Release by Helicobacter pylori Stimulates Macrophage Inducible Nitric Oxide Synthase. Journal of Immunology, 2002, 168, 6002-6006. | 0.8 | 121 |

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| 91 | l -Arginine Availability Modulates Local Nitric Oxide Production and Parasite Killing in Experimental Trypanosomiasis. Infection and Immunity, 2000, 68, 4653-4657. | 2.2 | 145 |
| 92 | Mechanism of Extracellular Thiol Nitrosylation by N2O3 Produced by Activated Macrophages. Nitric Oxide - Biology and Chemistry, 1999, 3, 467-472. | 2.7 | 8 |
| 93 | 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. | 2.2 | 63 |