

Maria Blanca Piazuolo

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

3,259
citations

147801

31
h-index

175258

52
g-index

82
all docs

82
docs citations

82
times ranked

4411
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron deficiency accelerates <i>Helicobacter pylori</i> -induced carcinogenesis in rodents and humans. <i>Journal of Clinical Investigation</i> , 2013, 123, 479-492.	8.2	155
2	AGA Clinical Practice Update on the Diagnosis and Management of Atrophic Gastritis: Expert Review. <i>Gastroenterology</i> , 2021, 161, 1325-1332.e7.	1.3	153
3	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.	7.1	150
4	L-arginine Supplementation Improves Responses to Injury and Inflammation in Dextran Sulfate Sodium Colitis. <i>PLoS ONE</i> , 2012, 7, e33546.	2.5	129
5	Dynamics of <i>Helicobacter pylori</i> infection as a determinant of progression of gastric precancerous lesions: 16-year follow-up of an eradication trial. <i>Gut</i> , 2018, 67, 1239-1246.	12.1	128
6	<i>Helicobacter pylori</i> targets cancer-associated apical-junctional constituents in gastroids and gastric epithelial cells. <i>Gut</i> , 2015, 64, 720-730.	12.1	127
7	Gastric c�ancer: Overview. <i>Colombia Medica</i> , 2013, 44, 192-201.	0.2	124
8	Arginase 2 deletion leads to enhanced M1 macrophage activation and upregulated polyamine metabolism in response to <i>Helicobacter pylori</i> infection. <i>Amino Acids</i> , 2016, 48, 2375-2388.	2.7	80
9	EGFR regulates macrophage activation and function in bacterial infection. <i>Journal of Clinical Investigation</i> , 2016, 126, 3296-3312.	8.2	80
10	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.	1.3	78
11	Gastric Cancer: An Infectious Disease. <i>Infectious Disease Clinics of North America</i> , 2010, 24, 853-869.	5.1	78
12	The Host Protein Calprotectin Modulates the <i>Helicobacter pylori</i> cag Type IV Secretion System via Zinc Sequestration. <i>PLoS Pathogens</i> , 2014, 10, e1004450.	4.7	78
13	Activation of EGFR and ERBB2 by <i>Helicobacter pylori</i> Results in Survival of Gastric Epithelial Cells With DNA Damage. <i>Gastroenterology</i> , 2014, 146, 1739-1751.e14.	1.3	77
14	Activation of β -catenin signalling by TFF1 loss promotes cell proliferation and gastric tumorigenesis. <i>Gut</i> , 2015, 64, 1028-1039.	12.1	73
15	The Apolipoprotein E-Mimetic Peptide COG112 Inhibits NF- κ B Signaling, Proinflammatory Cytokine Expression, and Disease Activity in Murine Models of Colitis. <i>Journal of Biological Chemistry</i> , 2011, 286, 3839-3850.	3.4	72
16	Heme Oxygenase-1 Dysregulates Macrophage Polarization and the Immune Response to <i>Helicobacter pylori</i> . <i>Journal of Immunology</i> , 2014, 193, 3013-3022.	0.8	65
17	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.	12.1	63
18	Dietary Arginine Regulates Severity of Experimental Colitis and Affects the Colonic Microbiome. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 66.	3.9	58

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19	CD8 ⁺ + Innate-Type Lymphocytes in the Intestinal Epithelium Mediate Mucosal Immunity. <i>Immunity</i> , 2014, 41, 451-464.	14.3	57
20	The Colombian Chemoprevention Trial: 20-Year Follow-Up of a Cohort of Patients With Gastric Precancerous Lesions. <i>Gastroenterology</i> , 2021, 160, 1106-1117.e3.	1.3	57
21	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.	0.9	55
22	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
23	High-Throughput Multi-Analyte Luminex Profiling Implicates Eotaxin-1 in Ulcerative Colitis. <i>PLoS ONE</i> , 2013, 8, e82300.	2.5	51
24	Eosinophils and mast cells in chronic gastritis: possible implications in carcinogenesis. <i>Human Pathology</i> , 2008, 39, 1360-1369.	2.0	50
25	Histologic Subtyping of Gastric Intestinal Metaplasia: Overview and Considerations for Clinical Practice. <i>Gastroenterology</i> , 2020, 158, 745-750.	1.3	47
26	Spermine oxidase mediates <i>Helicobacter pylori</i> -induced gastric inflammation, DNA damage, and carcinogenic signaling. <i>Oncogene</i> , 2020, 39, 4465-4474.	5.9	46
27	Activation of STAT3 signaling is mediated by TFF1 silencing in gastric neoplasia. <i>Nature Communications</i> , 2019, 10, 3039.	12.8	44
28	Loss of solute carrier family 7 member 2 exacerbates inflammation-associated colon tumorigenesis. <i>Oncogene</i> , 2019, 38, 1067-1079.	5.9	41
29	Protective Role of Spermidine in Colitis and Colon Carcinogenesis. <i>Gastroenterology</i> , 2022, 162, 813-827.e8.	1.3	40
30	Trefoil factor 1 expression suppresses <i>Helicobacter pylori</i> -induced inflammation in gastric carcinogenesis. <i>Cancer</i> , 2015, 121, 4348-4358.	4.1	38
31	Modification of the Gastric Mucosal Microbiota by a Strain-Specific <i>Helicobacter pylori</i> Oncoprotein and Carcinogenic Histologic Phenotype. <i>MBio</i> , 2019, 10, .	4.1	36
32	TLR9 activation suppresses inflammation in response to <i>Helicobacter pylori</i> infection. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G852-G858.	3.4	35
33	Distinct Immunomodulatory Effects of Spermine Oxidase in Colitis Induced by Epithelial Injury or Infection. <i>Frontiers in Immunology</i> , 2018, 9, 1242.	4.8	35
34	Integrated Analysis of Mouse and Human Gastric Neoplasms Identifies Conserved microRNA Networks in Gastric Carcinogenesis. <i>Gastroenterology</i> , 2019, 156, 1127-1139.e8.	1.3	35
35	Bacterial CagA protein compromises tumor suppressor mechanisms in gastric epithelial cells. <i>Journal of Clinical Investigation</i> , 2020, 130, 2422-2434.	8.2	32
36	Resolution of Gastric Cancer-Promoting Inflammation: A Novel Strategy for Anti-cancer Therapy. <i>Current Topics in Microbiology and Immunology</i> , 2019, 421, 319-359.	1.1	29

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37	Virulence of infecting <i>Helicobacter pylori</i> strains and intensity of mononuclear cell infiltration are associated with levels of DNA hypermethylation in gastric mucosae. <i>Epigenetics</i> , 2013, 8, 1153-1161.	2.7	28
38	DNA Methylation Predicts Progression of Human Gastric Lesions. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 1607-1613.	2.5	27
39	Hydrogen Metabolism in <i>Helicobacter pylori</i> Plays a Role in Gastric Carcinogenesis through Facilitating CagA Translocation. <i>MBio</i> , 2016, 7, .	4.1	27
40	Integrated expression analysis identifies transcription networks in mouse and human gastric neoplasia. <i>Genes Chromosomes and Cancer</i> , 2017, 56, 535-547.	2.8	27
41	Activation of IGF1R by DARPP-32 promotes STAT3 signaling in gastric cancer cells. <i>Oncogene</i> , 2019, 38, 5805-5816.	5.9	26
42	Loss of TFF1 promotes <i>Helicobacter pylori</i> -induced β -catenin activation and gastric tumorigenesis. <i>Oncotarget</i> , 2015, 6, 17911-17922.	1.8	26
43	Up-regulation of Aquaporin 5 Defines Spasmodic Polypeptide-Expressing Metaplasia and Progression to Incomplete Intestinal Metaplasia. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 13, 199-217.	4.5	25
44	CCL11 exacerbates colitis and inflammation-associated colon tumorigenesis. <i>Oncogene</i> , 2021, 40, 6540-6546.	5.9	25
45	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.	4.7	24
46	β -Difluoromethylornithine reduces gastric carcinogenesis by causing mutations in <i>Helicobacter pylori</i> <i>cagY</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5077-5085.	7.1	24
47	Iron deficiency linked to altered bile acid metabolism promotes <i>Helicobacter pylori</i> -induced inflammation-driven gastric carcinogenesis. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	24
48	Dietary Composition Influences Incidence of <i>Helicobacter pylori</i> -Induced Iron Deficiency Anemia and Gastric Ulceration. <i>Infection and Immunity</i> , 2016, 84, 3338-3349.	2.2	23
49	Targeted mobilization of Lrig1 ⁺ gastric epithelial stem cell populations by a carcinogenic <i>Helicobacter pylori</i> type IV secretion system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19652-19658.	7.1	23
50	Hypusination Orchestrates the Antimicrobial Response of Macrophages. <i>Cell Reports</i> , 2020, 33, 108510.	6.4	23
51	Pan-genomic analyses identify key <i>Helicobacter pylori</i> pathogenic loci modified by carcinogenic host microenvironments. <i>Gut</i> , 2018, 67, 1793-1804.	12.1	22
52	Genetic Manipulation of <i>Helicobacter pylori</i> Virulence Function by Host Carcinogenic Phenotypes. <i>Cancer Research</i> , 2017, 77, 2401-2412.	0.9	21
53	The Mongolian Gerbil: A Robust Model of <i>Helicobacter pylori</i> -Induced Gastric Inflammation and Cancer. <i>Methods in Molecular Biology</i> , 2016, 1422, 263-280.	0.9	20
54	Bacterial Pathogens Hijack the Innate Immune Response by Activation of the Reverse Transsulfuration Pathway. <i>MBio</i> , 2019, 10, .	4.1	20

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55	Effect of smoking on failure of H. pylori therapy and gastric histology in a high gastric cancer risk area of Colombia. <i>Acta Gastroenterologica Latinoamericana</i> , 2007, 37, 238-45.	0.1	20
56	The homing receptor CD44 is involved in the progression of precancerous gastric lesions in patients infected with <i>Helicobacter pylori</i> and in development of mucous metaplasia in mice. <i>Cancer Letters</i> , 2016, 371, 90-98.	7.2	19
57	Carcinogenic <i>Helicobacter pylori</i> Strains Selectively Dysregulate the In Vivo Gastric Proteome, Which May Be Associated with Stomach Cancer Progression*. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 352-371.	3.8	19
58	Cationic Amino Acid Transporter 2 Enhances Innate Immunity during <i>Helicobacter pylori</i> Infection. <i>PLoS ONE</i> , 2011, 6, e29046.	2.5	18
59	BVES is required for maintenance of colonic epithelial integrity in experimental colitis by modifying intestinal permeability. <i>Mucosal Immunology</i> , 2018, 11, 1363-1374.	6.0	18
60	Recent Guidelines on the Management of Patients with Gastric Atrophy: Common Points and Controversies. <i>Digestive Diseases and Sciences</i> , 2020, 65, 1899-1903.	2.3	17
61	Dicarbonyl Electrophiles Mediate Inflammation-Induced Gastrointestinal Carcinogenesis. <i>Gastroenterology</i> , 2021, 160, 1256-1268.e9.	1.3	17
62	Temporal Control of the <i>Helicobacter pylori</i> Cag Type IV Secretion System in a Mongolian Gerbil Model of Gastric Carcinogenesis. <i>MBio</i> , 2020, 11, .	4.1	15
63	Increased expression of deleted in malignant brain tumors (DMBT1) gene in precancerous gastric lesions: Findings from human and animal studies. <i>Oncotarget</i> , 2017, 8, 47076-47089.	1.8	15
64	Innate CD8 ⁺ lymphocytes enhance anti-CD40 antibody-mediated colitis in mice. <i>Immunity, Inflammation and Disease</i> , 2017, 5, 109-123.	2.7	14
65	Granzyme B prevents aberrant IL-17 production and intestinal pathogenicity in CD4 ⁺ T cells. <i>Mucosal Immunology</i> , 2021, 14, 1088-1099.	6.0	13
66	Osteopontin and iCD8 ⁺ Cells Promote Intestinal Intraepithelial Lymphocyte Homeostasis. <i>Journal of Immunology</i> , 2020, 204, 1968-1981.	0.8	10
67	Epigenetic and genetic variation in GATA5 is associated with gastric disease risk. <i>Human Genetics</i> , 2016, 135, 895-906.	3.8	9
68	MTG16 regulates colonic epithelial differentiation, colitis, and tumorigenesis by repressing E protein transcription factors. <i>JCI Insight</i> , 2022, 7, .	5.0	9
69	High-risk individuals for gastric cancer would be missed for surveillance without subtyping of intestinal metaplasia. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 479, 679-686.	2.8	8
70	The TNF-Alpha Inducing Protein is Associated With Gastric Inflammation and Hyperplasia in a Murine Model of <i>Helicobacter pylori</i> Infection. <i>Frontiers in Pharmacology</i> , 2022, 13, 817237.	3.5	8
71	Cystathionine β -lyase exacerbates <i>Helicobacter pylori</i> immunopathogenesis by promoting macrophage metabolic remodeling and activation. <i>JCI Insight</i> , 2022, 7, .	5.0	8
72	The Innate Immune Glycoprotein Lactoferrin Represses the <i>Helicobacter pylori</i> cag Type IV Secretion System. <i>ChemBioChem</i> , 2021, 22, 2783-2790.	2.6	5

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73	IL-17 Receptor Signaling through IL-17A or IL-17F Is Sufficient to Maintain Innate Response and Control of <i>Helicobacter pylori</i> Immunopathogenesis. <i>ImmunoHorizons</i> , 2022, 6, 116-129.	1.8	5
74	Positive Selection of Mutations in the <i>Helicobacter pylori</i> <i>katA</i> 5' Untranslated Region in a Mongolian Gerbil Model of Gastric Disease. <i>Infection and Immunity</i> , 0, , .	2.2	3
75	Contrasting serum biomarker profiles in two Colombian populations with different risks for progression of premalignant gastric lesions during chronic <i>Helicobacter pylori</i> infection. <i>Cancer Epidemiology</i> , 2020, 67, 101726.	1.9	2
76	Draft Genome Sequences of 13 Colombian <i>Helicobacter pylori</i> Strains Isolated from Pacific Coast and Andean Residents. <i>Genome Announcements</i> , 2017, 5, .	0.8	1
77	HTLV-1 infection and health outcomes. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 406-407.	9.1	0