Caroline A Genco

List of Publications by Year
in descending order

77	4,928	76326 40	95266 68
papers	citations	h-index	g-index

81	81	81	5659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Regulatory Mechanisms Drive Emergent Pathogenetic Properties of Neisseria gonorrhoeae. Microorganisms, 2022, 10, 922.	3.6	0
2	In Vitro Activity of Ertapenem against Neisseria gonorrhoeae Clinical Isolates with Decreased Susceptibility or Resistance to Extended-Spectrum Cephalosporins in Nanjing, China (2013 to 2019). Antimicrobial Agents and Chemotherapy, 2022, 66, e0010922.	3.2	5
3	Microbial Lipid A Remodeling Controls Cross-Presentation Efficiency and CD8 T Cell Priming by Modulating Dendritic Cell Function. Infection and Immunity, 2021, 89, .	2.2	3
4	Susceptibility Trends of Zoliflodacin against Multidrug-Resistant Neisseria gonorrhoeae Clinical Isolates in Nanjing, China, 2014 to 2018. Antimicrobial Agents and Chemotherapy, 2021, 65, .	3.2	11
5	Epidemiological and Clinical Observations of Gonococcal Infections in Women and Prevention Strategies. Vaccines, 2021, 9, 327.	4.4	3
6	Challenges and Controversies Concerning Neisseria gonorrhoeae-Neutrophil Interactions in Pathogenesis. MBio, 2021, 12, e0072121.	4.1	4
7	Oral infection with a periodontal pathogen alters oral and gut microbiomes. Anaerobe, 2021, 71, 102399.	2.1	16
8	In Vitro Efficacy of Gentamicin Alone and in Combination with Ceftriaxone, Ertapenem, and Azithromycin against Multidrug-Resistant Neisseria gonorrhoeae. Microbiology Spectrum, 2021, 9, e0018121.	3.0	5
9	Diet-Induced Non-alcoholic Fatty Liver Disease and Associated Gut Dysbiosis Are Exacerbated by Oral Infection. Frontiers in Oral Health, 2021, 2, 784448.	3.0	2
10	Pooling for SARS-CoV2 Surveillance: Validation and Strategy for Implementation in K-12 Schools. Frontiers in Public Health, 2021, 9, 789402.	2.7	2
11	Robert J. Genco: A Legacy of Lifelong Innovation and Inspiration. Current Oral Health Reports, 2020, 7, 1-2.	1.6	0
12	Periodontal Disease and Birth Outcomes: Are We Missing Something?. Current Oral Health Reports, 2020, 7, 62-71.	1.6	6
13	Global Network Analysis of Neisseria gonorrhoeae Identifies Coordination between Pathways, Processes, and Regulators Expressed during Human Infection. MSystems, 2020, 5, .	3.8	8
14	Integrated Bioinformatic Analyses and Immune Characterization of New Neisseria gonorrhoeae Vaccine Antigens Expressed during Natural Mucosal Infection. Vaccines, 2019, 7, 153.	4.4	14
15	The Distinct Immune-Stimulatory Capacities of Porphyromonas gingivalis Strains 381 and ATCC 33277 Are Determined by the fimB Allele and Gingipain Activity. Infection and Immunity, 2019, 87, .	2.2	12
16	Strategies for Global RNA Sequencing of the Human Pathogen Neisseria gonorrhoeae. Methods in Molecular Biology, 2019, 1997, 163-183.	0.9	2
17	Tribute: Edward â€˜Nedâ€™ Lally. Molecular Oral Microbiology, 2019, 34, 235-236.	2.7	0
18	Increased virulence of the oral microbiome in oral squamous cell carcinoma revealed by metatranscriptome analyses. International Journal of Oral Science, 2018, 10, 32.	8.6	88

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19	Transcriptome Analysis of Neisseria gonorrhoeae during Natural Infection Reveals Differential Expression of Antibiotic Resistance Determinants between Men and Women. MSphere, 2018, 3, .	2.9	26
20	The ironclad truth: how in vivo transcriptomics and in vitro mechanistic studies shape our understanding of Neisseria gonorrhoeae gene regulation during mucosal infection. Pathogens and Disease, 2017, 75, .	2.0	5
21	Role for the Aryl Hydrocarbon Receptor and Diverse Ligands in Oral Squamous Cell Carcinoma Migration and Tumorigenesis. Molecular Cancer Research, 2016, 14, 696-706.	3.4	67
22	Specific Inflammatory Stimuli Lead to Distinct Platelet Responses in Mice and Humans. PLoS ONE, 2015, 10, e0131688.	2.5	8
23	The Gonococcal Transcriptome during Infection of the Lower Genital Tract in Women. PLoS ONE, 2015, 10, e0133982.	2.5	50
24	Neisseria gonorrhoeae Modulates Cell Death in Human Endocervical Epithelial Cells through Export of Exosome-Associated cIAP2. Infection and Immunity, 2015, 83, 3410-3417.	2.2	15
25	Porphyromonas gingivalis Evasion of Autophagy and Intracellular Killing by Human Myeloid Dendritic Cells Involves DC-SIGN-TLR2 Crosstalk. PLoS Pathogens, 2015, 11, e1004647.	4.7	87
26	Distinct Lipid A Moieties Contribute to Pathogen-Induced Site-Specific Vascular Inflammation. PLoS Pathogens, 2014, 10, e1004215.	4.7	71
27	Identification of sRNAs expressed by the human pathogen Neisseria gonorrhoeae under disparate growth conditions. Frontiers in Microbiology, 2014, 5, 456.	3.5	22
28	Distinct gene signatures in aortic tissue from ApoE-/-mice exposed to pathogens or Western diet. BMC Genomics, 2014, 15, 1176.	2.8	9
29	A Mouse Model for Pathogen-induced Chronic Inflammation at Local and Systemic Sites. Journal of Visualized Experiments, 2014, , e51556.	0.3	9
30	Interleukin 1 Receptor 1 and Interleukin 1Î² Regulate Megakaryocyte Maturation, Platelet Activation, and Transcript Profile During Inflammation in Mice and Humans. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 552-564.	2.4	136
31	Disruption of immune regulation by microbial pathogens and resulting chronic inflammation. Journal of Cellular Physiology, 2013, 228, 1413-1422.	4.1	59
32	Noncanonical dendritic cell differentiation and survival driven by a bacteremic pathogen. Journal of Leukocyte Biology, 2013, 94, 281-289.	3.3	18
33	Computational analysis of bacterial RNA-Seq data. Nucleic Acids Research, 2013, 41, e140-e140.	14.5	573
34	Neisseria Prophage Repressor Implicated in Gonococcal Pathogenesis. Infection and Immunity, 2013, 81, 3652-3661.	2.2	14
35	Macrophage-Specific TLR2 Signaling Mediates Pathogen-Induced TNF-Dependent Inflammatory Oral Bone Loss. Journal of Immunology, 2013, 190, 1148-1157.	0.8	121
36	Microbial Carriage State of Peripheral Blood Dendritic Cells (DCs) in Chronic Periodontitis Influences DC Differentiation, Atherogenic Potential. Journal of Immunology, 2012, 189, 3178-3187.	0.8	131

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37	Protective Role for TLR4 Signaling in Atherosclerosis Progression as Revealed by Infection with a Common Oral Pathogen. Journal of Immunology, 2012, 189, 3681-3688.	0.8	54
38	Porphyromonas gingivalis accelerates inflammatory atherosclerosis in the innominate artery of ApoE deficient mice. Atherosclerosis, 2011, 215, 52-59.	0.8	83
39	Role of Hfq in iron-dependent and -independent gene regulation in Neisseria meningitidis. Microbiology (United Kingdom), 2010, 156, 2316-2326.	1.8	32
40	Pathogen-Mediated Inflammatory Atherosclerosis Is Mediated in Part via Toll-Like Receptor 2-Induced Inflammatory Responses. Journal of Innate Immunity, 2010, 2, 334-343.	3.8	79
41	REVIEW: Pathogen-induced inflammation at sites distant from oral infection: bacterial persistence and induction of cell-specific innate immune inflammatory pathways. Molecular Oral Microbiology, 2010, 25, 305-316.	2.7	207
42	Stimulation of Toll-Like Receptor 2 in Human Platelets Induces a Thromboinflammatory Response Through Activation of Phosphoinositide 3-Kinase. Circulation Research, 2009, 104, 346-354.	4.5	231
43	Toll-like receptor 2 plays a critical role in the progression of atherosclerosis that is independent of dietary lipids. Atherosclerosis, 2008, 196, 146-154.	0.8	136
44	Expression of the Gonococcal Global Regulatory Protein Fur and Genes Encompassing the Fur and Iron Regulon during In Vitro and In Vivo Infection in Women. Journal of Bacteriology, 2008, 190, 3129-3139.	2.2	22
45	cis- and trans-acting elements involved in regulation of norB (norZ), the gene encoding nitric oxide reductase in Neisseria gonorrhoeae. Microbiology (United Kingdom), 2008, 154, 226-239.	1.8	38
46	Macrophage-Elicited Osteoclastogenesis in Response to Bacterial Stimulation Requires Toll-Like Receptor 2-Dependent Tumor Necrosis Factor-Alpha Production. Infection and Immunity, 2008, 76, 812-819.	2.2	57
47	Bacterial Fimbriae Stimulate Proinflammatory Activation in the Endothelium through Distinct TLRs. Journal of Immunology, 2008, 180, 2187-2195.	0.8	61
48	Engagement of specific innate immune signaling pathways during Porphyromonas gingivalis induced chronic inflammation and atherosclerosis. Frontiers in Bioscience - Landmark, 2008, 13, 2041.	3.0	80
49	A Novel Fur- and Iron-Regulated Small RNA, NrrF, Is Required for Indirect Fur-Mediated Regulation of the sdhA and sdhC Genes in Neisseria meningitidis. Journal of Bacteriology, 2007, 189, 3686-3694.	2.2	108
50	Porphyromonas gingivalis Mediated Periodontal Disease and Atherosclerosis:Disparate Diseases with Commonalities in Pathogenesis Through TLRs. Current Pharmaceutical Design, 2007, 13, 3665-3675.	1.9	75
51	Expression of the Iron-Activated nspA and secY Genes in Neisseria meningitidis Group B by Fur-Dependent and -Independent Mechanisms. Journal of Bacteriology, 2007, 189, 663-669.	2.2	21
52	Fimbria-dependent activation of pro-inflammatory molecules in Porphyromonas gingivalis infected human aortic endothelial cells. Cellular Microbiology, 2006, 8, 738-757.	2.1	96
53	Role of FNR and FNR-regulated, sugar fermentation genes in Neisseria meningitidis infection. Molecular Microbiology, 2006, 60, 963-972.	2.5	57
54	Roles of the Host Oxidative Immune Response and Bacterial Antioxidant Rubrerythrin during Porphyromonas gingivalis Infection. PLoS Pathogens, 2006, 2, e76.	4.7	99

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55	Innate Immune Signaling andPorphyromonas gingivalis-accelerated Atherosclerosis. Journal of Dental Research, 2006, 85, 106-121.	5.2	146
56	Hemin-Dependent Modulation of the Lipid A Structure of Porphyromonas gingivalis Lipopolysaccharide. Infection and Immunity, 2006, 74, 4474-4485.	2.2	132
57	Pathogen-Accelerated Atherosclerosis Occurs Early after Exposure and Can Be Prevented via Immunization. Infection and Immunity, 2006, 74, 1376-1380.	2.2	51
58	The Gonococcal Fur-Regulated tbpA and tbpB Genes Are Expressed during Natural Mucosal Gonococcal Infection. Infection and Immunity, 2005, 73, 4281-4287.	2.2	23
59	Porphyromonas gingivalis Fimbria-Dependent Activation of Inflammatory Genes in Human Aortic Endothelial Cells. Infection and Immunity, 2005, 73, 5367-5378.	2.2	71
60	Sensitization of Human Aortic Endothelial Cells to Lipopolysaccharide via Regulation of Toll-Like Receptor 4 by Bacterial Fimbria-Dependent Invasion. Infection and Immunity, 2005, 73, 8050-8059.	2.2	66
61	Gingipain-Specific IgG in the Sera of Patients With Periodontal Disease Is Necessary for Opsonophagocytosis ofPorphyromonas gingivalis. Journal of Periodontology, 2005, 76, 1629-1636.	3.4	17
62	Inducible nitric oxide synthase mediates bone development and P. gingivalis-induced alveolar bone loss. Bone, 2005, 36, 472-479.	2.9	56
63	Porphyromonas gingivalis -Specific Immunoglobulin G Prevents P. gingivalis -Elicited Oral Bone Loss in a Murine Model. Infection and Immunity, 2004, 72, 2408-2411.	2.2	27
64	Innate Immune Recognition of Invasive Bacteria Accelerates Atherosclerosis in Apolipoprotein E-Deficient Mice. Circulation, 2004, 109, 2801-2806.	1.6	311
65	The C-terminal domains of the gingipain K polyprotein are necessary for assembly of the active enzyme and expression of associated activities. Molecular Microbiology, 2004, 54, 1393-1408.	2.5	28
66	Characterization of a novel Neisseria meningitidis Fur and iron-regulated operon required for protection from oxidative stress: utility of DNA microarray in the assignment of the biological role of hypothetical genes. Molecular Microbiology, 2004, 54, 962-979.	2.5	46
67	Lysine-specific gingipain K and heme/hemoglobin receptor HmuR are involved in heme utilization in Porphyromonas gingivalis.. Acta Biochimica Polonica, 2004, 51, 253-262.	0.5	24
68	Mice Lacking Inducible Nitric Oxide Synthase Demonstrate Impaired Killing of Porphyromonas gingivalis. Infection and Immunity, 2003, 71, 4917-4924.	2.2	46
69	Immunization with Porphyromonas gingivalis Capsular Polysaccharide Prevents P. gingivalis -Elicited Oral Bone Loss in a Murine Model. Infection and Immunity, 2003, 71, 2283-2287.	2.2	47
70	Role for Fimbriae and Lysine-Specific Cysteine Proteinase Gingipain K in Expression of Interleukin-8 and Monocyte Chemoattractant Protein in Porphyromonas gingivalis-Infected Endothelial Cells. Infection and Immunity, 2002, 70, 268-276.	2.2	95
71	Fimbria-Dependent Activation of Cell Adhesion Molecule Expression in Porphyromonas gingivalis-Infected Endothelial Cells. Infection and Immunity, 2002, 70, 257-267.	2.2	133
72	Enhanced neutrophil emigration and Porphyromonas gingivalis reduction following PGG-glucan treatment of mice. Archives of Oral Biology, 2002, 47, 613-618.	1.8	10

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73	Distinct Proinflammatory Host Responses to Neisseria gonorrhoeae Infection in Immortalized Human Cervical and Vaginal Epithelial Cells. Infection and Immunity, 2001, 69, 5840-5848.	2.2	153
74	Prevention ofPorphyromonas gingivalis-Induced Oral Bone Loss following Immunization with Gingipain R1. Infection and Immunity, 2001, 69, 7959-7963.	2.2	98
75	Animal models for Porphyromonas gingivalis-mediated periodontal disease. Trends in Microbiology, 1998, 6, 444-449.	7.7	127
76	Iron acquisition in the pathogenic Neisseria. Trends in Microbiology, 1996, 4, 179-184.	7.7	69
77	Acquisition of Î²-lactamase and TetM-containing Conjugative Plasmids by Phenotypically Different Strains of Neisseria gonorrhoeae. Sexually Transmitted Diseases, 1990, 17, 67-71.	1.7	11