

Caroline A Genco

List of Publications by Year in descending order

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77
papers

4,928
citations

76326

40
h-index

95266

68
g-index

81
all docs

81
docs citations

81
times ranked

5659
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational analysis of bacterial RNA-Seq data. <i>Nucleic Acids Research</i> , 2013, 41, e140-e140.	14.5	573
2	Innate Immune Recognition of Invasive Bacteria Accelerates Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Circulation</i> , 2004, 109, 2801-2806.	1.6	311
3	Stimulation of Toll-Like Receptor 2 in Human Platelets Induces a Thromboinflammatory Response Through Activation of Phosphoinositide 3-Kinase. <i>Circulation Research</i> , 2009, 104, 346-354.	4.5	231
4	REVIEW: Pathogen-induced inflammation at sites distant from oral infection: bacterial persistence and induction of cell-specific innate immune inflammatory pathways. <i>Molecular Oral Microbiology</i> , 2010, 25, 305-316.	2.7	207
5	Distinct Proinflammatory Host Responses to <i>Neisseria gonorrhoeae</i> Infection in Immortalized Human Cervical and Vaginal Epithelial Cells. <i>Infection and Immunity</i> , 2001, 69, 5840-5848.	2.2	153
6	Innate Immune Signaling and <i>Porphyromonas gingivalis</i> -accelerated Atherosclerosis. <i>Journal of Dental Research</i> , 2006, 85, 106-121.	5.2	146
7	Toll-like receptor 2 plays a critical role in the progression of atherosclerosis that is independent of dietary lipids. <i>Atherosclerosis</i> , 2008, 196, 146-154.	0.8	136
8	Interleukin 1 Receptor 1 and Interleukin 1 ^{Î²} Regulate Megakaryocyte Maturation, Platelet Activation, and Transcript Profile During Inflammation in Mice and Humans. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 552-564.	2.4	136
9	Fimbria-Dependent Activation of Cell Adhesion Molecule Expression in <i>Porphyromonas gingivalis</i> -Infected Endothelial Cells. <i>Infection and Immunity</i> , 2002, 70, 257-267.	2.2	133
10	Hemin-Dependent Modulation of the Lipid A Structure of <i>Porphyromonas gingivalis</i> Lipopolysaccharide. <i>Infection and Immunity</i> , 2006, 74, 4474-4485.	2.2	132
11	Microbial Carriage State of Peripheral Blood Dendritic Cells (DCs) in Chronic Periodontitis Influences DC Differentiation, Atherogenic Potential. <i>Journal of Immunology</i> , 2012, 189, 3178-3187.	0.8	131
12	Animal models for <i>Porphyromonas gingivalis</i> -mediated periodontal disease. <i>Trends in Microbiology</i> , 1998, 6, 444-449.	7.7	127
13	Macrophage-Specific TLR2 Signaling Mediates Pathogen-Induced TNF-Dependent Inflammatory Oral Bone Loss. <i>Journal of Immunology</i> , 2013, 190, 1148-1157.	0.8	121
14	A Novel Fur- and Iron-Regulated Small RNA, NrrF, Is Required for Indirect Fur-Mediated Regulation of the <i>sdhA</i> and <i>sdhC</i> Genes in <i>Neisseria meningitidis</i> . <i>Journal of Bacteriology</i> , 2007, 189, 3686-3694.	2.2	108
15	Roles of the Host Oxidative Immune Response and Bacterial Antioxidant Rubrerythrin during <i>Porphyromonas gingivalis</i> Infection. <i>PLoS Pathogens</i> , 2006, 2, e76.	4.7	99
16	Prevention of <i>Porphyromonas gingivalis</i> -Induced Oral Bone Loss following Immunization with Gingipain R1. <i>Infection and Immunity</i> , 2001, 69, 7959-7963.	2.2	98
17	Fimbria-dependent activation of pro-inflammatory molecules in <i>Porphyromonas gingivalis</i> infected human aortic endothelial cells. <i>Cellular Microbiology</i> , 2006, 8, 738-757.	2.1	96
18	Role for Fimbriae and Lysine-Specific Cysteine Proteinase Gingipain K in Expression of Interleukin-8 and Monocyte Chemoattractant Protein in <i>Porphyromonas gingivalis</i> -Infected Endothelial Cells. <i>Infection and Immunity</i> , 2002, 70, 268-276.	2.2	95

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19	Increased virulence of the oral microbiome in oral squamous cell carcinoma revealed by metatranscriptome analyses. <i>International Journal of Oral Science</i> , 2018, 10, 32.	8.6	88
20	<i>Porphyromonas gingivalis</i> Evasion of Autophagy and Intracellular Killing by Human Myeloid Dendritic Cells Involves DC-SIGN-TLR2 Crosstalk. <i>PLoS Pathogens</i> , 2015, 11, e1004647.	4.7	87
21	<i>Porphyromonas gingivalis</i> accelerates inflammatory atherosclerosis in the innominate artery of ApoE deficient mice. <i>Atherosclerosis</i> , 2011, 215, 52-59.	0.8	83
22	Engagement of specific innate immune signaling pathways during <i>Porphyromonas gingivalis</i> induced chronic inflammation and atherosclerosis. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 2041.	3.0	80
23	Pathogen-Mediated Inflammatory Atherosclerosis Is Mediated in Part via Toll-Like Receptor 2-Induced Inflammatory Responses. <i>Journal of Innate Immunity</i> , 2010, 2, 334-343.	3.8	79
24	<i>Porphyromonas gingivalis</i> Mediated Periodontal Disease and Atherosclerosis: Disparate Diseases with Commonalities in Pathogenesis Through TLRs. <i>Current Pharmaceutical Design</i> , 2007, 13, 3665-3675.	1.9	75
25	<i>Porphyromonas gingivalis</i> Fimbria-Dependent Activation of Inflammatory Genes in Human Aortic Endothelial Cells. <i>Infection and Immunity</i> , 2005, 73, 5367-5378.	2.2	71
26	Distinct Lipid A Moieties Contribute to Pathogen-Induced Site-Specific Vascular Inflammation. <i>PLoS Pathogens</i> , 2014, 10, e1004215.	4.7	71
27	Iron acquisition in the pathogenic <i>Neisseria</i> . <i>Trends in Microbiology</i> , 1996, 4, 179-184.	7.7	69
28	Role for the Aryl Hydrocarbon Receptor and Diverse Ligands in Oral Squamous Cell Carcinoma Migration and Tumorigenesis. <i>Molecular Cancer Research</i> , 2016, 14, 696-706.	3.4	67
29	Sensitization of Human Aortic Endothelial Cells to Lipopolysaccharide via Regulation of Toll-Like Receptor 4 by Bacterial Fimbria-Dependent Invasion. <i>Infection and Immunity</i> , 2005, 73, 8050-8059.	2.2	66
30	Bacterial Fimbriae Stimulate Proinflammatory Activation in the Endothelium through Distinct TLRs. <i>Journal of Immunology</i> , 2008, 180, 2187-2195.	0.8	61
31	Disruption of immune regulation by microbial pathogens and resulting chronic inflammation. <i>Journal of Cellular Physiology</i> , 2013, 228, 1413-1422.	4.1	59
32	Role of FNR and FNR-regulated, sugar fermentation genes in <i>Neisseria meningitidis</i> infection. <i>Molecular Microbiology</i> , 2006, 60, 963-972.	2.5	57
33	Macrophage-Elicited Osteoclastogenesis in Response to Bacterial Stimulation Requires Toll-Like Receptor 2-Dependent Tumor Necrosis Factor-Alpha Production. <i>Infection and Immunity</i> , 2008, 76, 812-819.	2.2	57
34	Inducible nitric oxide synthase mediates bone development and <i>P. gingivalis</i> -induced alveolar bone loss. <i>Bone</i> , 2005, 36, 472-479.	2.9	56
35	Protective Role for TLR4 Signaling in Atherosclerosis Progression as Revealed by Infection with a Common Oral Pathogen. <i>Journal of Immunology</i> , 2012, 189, 3681-3688.	0.8	54
36	Pathogen-Accelerated Atherosclerosis Occurs Early after Exposure and Can Be Prevented via Immunization. <i>Infection and Immunity</i> , 2006, 74, 1376-1380.	2.2	51

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37	The Gonococcal Transcriptome during Infection of the Lower Genital Tract in Women. PLoS ONE, 2015, 10, e0133982.	2.5	50
38	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
39	Mice Lacking Inducible Nitric Oxide Synthase Demonstrate Impaired Killing of Porphyromonas gingivalis. Infection and Immunity, 2003, 71, 4917-4924.	2.2	46
40	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
41	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
42	Role of Hfq in iron-dependent and -independent gene regulation in Neisseria meningitidis. Microbiology (United Kingdom), 2010, 156, 2316-2326.	1.8	32
43	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
44	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
45	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
46	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
47	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
48	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
49	Identification of sRNAs expressed by the human pathogen Neisseria gonorrhoeae under disparate growth conditions. Frontiers in Microbiology, 2014, 5, 456.	3.5	22
50	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
51	Noncanonical dendritic cell differentiation and survival driven by a bacteremic pathogen. Journal of Leukocyte Biology, 2013, 94, 281-289.	3.3	18
52	Gingipain-Specific IgG in the Sera of Patients With Periodontal Disease Is Necessary for Opsonophagocytosis of Porphyromonas gingivalis. Journal of Periodontology, 2005, 76, 1629-1636.	3.4	17
53	Oral infection with a periodontal pathogen alters oral and gut microbiomes. Anaerobe, 2021, 71, 102399.	2.1	16
54	Neisseria gonorrhoeae Modulates Cell Death in Human Endocervical Epithelial Cells through Export of Exosome-Associated clAP2. Infection and Immunity, 2015, 83, 3410-3417.	2.2	15

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55	Neisseria Prophage Repressor Implicated in Gonococcal Pathogenesis. <i>Infection and Immunity</i> , 2013, 81, 3652-3661.	2.2	14
56	Integrated Bioinformatic Analyses and Immune Characterization of New <i>Neisseria gonorrhoeae</i> Vaccine Antigens Expressed during Natural Mucosal Infection. <i>Vaccines</i> , 2019, 7, 153.	4.4	14
57	The Distinct Immune-Stimulatory Capacities of <i>Porphyromonas gingivalis</i> Strains 381 and ATCC 33277 Are Determined by the <i>fimB</i> Allele and Gingipain Activity. <i>Infection and Immunity</i> , 2019, 87, .	2.2	12
58	Acquisition of β -lactamase and TetM-containing Conjugative Plasmids by Phenotypically Different Strains of <i>Neisseria gonorrhoeae</i> . <i>Sexually Transmitted Diseases</i> , 1990, 17, 67-71.	1.7	11
59	Susceptibility Trends of Zoliflodacin against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> Clinical Isolates in Nanjing, China, 2014 to 2018. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	11
60	Enhanced neutrophil emigration and <i>Porphyromonas gingivalis</i> reduction following PGG-glucan treatment of mice. <i>Archives of Oral Biology</i> , 2002, 47, 613-618.	1.8	10
61	Distinct gene signatures in aortic tissue from ApoE ^{-/-} mice exposed to pathogens or Western diet. <i>BMC Genomics</i> , 2014, 15, 1176.	2.8	9
62	A Mouse Model for Pathogen-induced Chronic Inflammation at Local and Systemic Sites. <i>Journal of Visualized Experiments</i> , 2014, , e51556.	0.3	9
63	Specific Inflammatory Stimuli Lead to Distinct Platelet Responses in Mice and Humans. <i>PLoS ONE</i> , 2015, 10, e0131688.	2.5	8
64	Global Network Analysis of <i>Neisseria gonorrhoeae</i> Identifies Coordination between Pathways, Processes, and Regulators Expressed during Human Infection. <i>MSystems</i> , 2020, 5, .	3.8	8
65	Periodontal Disease and Birth Outcomes: Are We Missing Something?. <i>Current Oral Health Reports</i> , 2020, 7, 62-71.	1.6	6
66	The ironclad truth: how in vivo transcriptomics and in vitro mechanistic studies shape our understanding of <i>Neisseria gonorrhoeae</i> gene regulation during mucosal infection. <i>Pathogens and Disease</i> , 2017, 75, .	2.0	5
67	<i>In Vitro</i> Efficacy of Gentamicin Alone and in Combination with Ceftriaxone, Ertapenem, and Azithromycin against Multidrug-Resistant <i>Neisseria gonorrhoeae</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0018121.	3.0	5
68	<i>In Vitro</i> Activity of Ertapenem against <i>Neisseria gonorrhoeae</i> Clinical Isolates with Decreased Susceptibility or Resistance to Extended-Spectrum Cephalosporins in Nanjing, China (2013 to 2019). <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, e0010922.	3.2	5
69	Challenges and Controversies Concerning <i>Neisseria gonorrhoeae</i> -Neutrophil Interactions in Pathogenesis. <i>MBio</i> , 2021, 12, e0072121.	4.1	4
70	Microbial Lipid A Remodeling Controls Cross-Presentation Efficiency and CD8 T Cell Priming by Modulating Dendritic Cell Function. <i>Infection and Immunity</i> , 2021, 89, .	2.2	3
71	Epidemiological and Clinical Observations of Gonococcal Infections in Women and Prevention Strategies. <i>Vaccines</i> , 2021, 9, 327.	4.4	3
72	Strategies for Global RNA Sequencing of the Human Pathogen <i>Neisseria gonorrhoeae</i> . <i>Methods in Molecular Biology</i> , 2019, 1997, 163-183.	0.9	2

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73	Diet-Induced Non-alcoholic Fatty Liver Disease and Associated Gut Dysbiosis Are Exacerbated by Oral Infection. <i>Frontiers in Oral Health</i> , 2021, 2, 784448.	3.0	2
74	Pooling for SARS-CoV2 Surveillance: Validation and Strategy for Implementation in K-12 Schools. <i>Frontiers in Public Health</i> , 2021, 9, 789402.	2.7	2
75	Tribute: Edward "Ned" Lally. <i>Molecular Oral Microbiology</i> , 2019, 34, 235-236.	2.7	0
76	Robert J. Genco: A Legacy of Lifelong Innovation and Inspiration. <i>Current Oral Health Reports</i> , 2020, 7, 1-2.	1.6	0
77	Molecular Regulatory Mechanisms Drive Emergent Pathogenetic Properties of <i>Neisseria gonorrhoeae</i> . <i>Microorganisms</i> , 2022, 10, 922.	3.6	0