

# Carolyn L Cannon

## List of Publications by Year in descending order

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52  
papers

6,738  
citations

134610

34  
h-index

214428

50  
g-index

56  
all docs

56  
docs citations

56  
times ranked

9345  
citing authors

#	ARTICLE	IF	CITATIONS
1	Host Protease Activity on Bacterial Pathogens Promotes Complement and Antibiotic-Directed Killing. <i>Pathogens</i> , 2021, 10, 1506.	1.2	1
2	N-Acetyl cysteine abrogates silver-induced reactive oxygen species in human cells without altering silver-based antimicrobial activity. <i>Toxicology Letters</i> , 2020, 332, 118-129.	0.4	5
3	Pyoverdine-Dependent Virulence of <i>Pseudomonas aeruginosa</i> Isolates From Cystic Fibrosis Patients. <i>Frontiers in Microbiology</i> , 2019, 10, 2048.	1.5	67
4	Minocycline and Silver Dual-Loaded Polyphosphoester-Based Nanoparticles for Treatment of Resistant <i>Pseudomonas aeruginosa</i> . <i>Molecular Pharmaceutics</i> , 2019, 16, 1606-1619.	2.3	22
5	Identification of molecular signatures of cystic fibrosis disease status with plasma-based functional genomics. <i>Physiological Genomics</i> , 2019, 51, 27-41.	1.0	14
6	A novel in vitro metric predicts in vivo efficacy of inhaled silver-based antimicrobials in a murine <i>Pseudomonas aeruginosa</i> pneumonia model. <i>Scientific Reports</i> , 2018, 8, 6376.	1.6	13
7	Antimicrobial Activity of Ibuprofen against Cystic Fibrosis-Associated Gram-Negative Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	1.4	37
8	Effects of Diagnosis by Newborn Screening for Cystic Fibrosis on Weight and Length in the First Year of Life. <i>JAMA Pediatrics</i> , 2017, 171, 546.	3.3	86
9	Clinical Practice Guidelines From the Cystic Fibrosis Foundation for Preschoolers With Cystic Fibrosis. <i>Pediatrics</i> , 2016, 137, .	1.0	140
10	CHAPTER 15. Biologically Active N-Heterocyclic Carbene-Metal Complexes. <i>RSC Catalysis Series</i> , 2016, , 567-595.	0.1	2
11	Degradable polyphosphoester-based silver-loaded nanoparticles as therapeutics for bacterial lung infections. <i>Nanoscale</i> , 2015, 7, 2265-2270.	2.8	62
12	Investigating the pharmacokinetics and biological distribution of silver-loaded polyphosphoester-based nanoparticles using <sup>111</sup> Ag as a radiotracer. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2015, 58, 234-241.	0.5	21
13	Inpatient Bronchiolitis Guideline Implementation and Resource Utilization. <i>Pediatrics</i> , 2014, 133, e730-e737.	1.0	87
14	The use of <sup>111</sup> Ag as a tool for studying biological distribution of silver-based antimicrobials. <i>MedChemComm</i> , 2013, 4, 1015.	3.5	18
15	Nanoparticle Deposition onto Biofilms. <i>Annals of Biomedical Engineering</i> , 2013, 41, 53-67.	1.3	19
16	Modeling the response of a biofilm to silver-based antimicrobial. <i>Mathematical Biosciences</i> , 2013, 244, 29-39.	0.9	9
17	Synthesis, Characterization, and In Vivo Efficacy of Shell Cross-Linked Nanoparticle Formulations Carrying Silver Antimicrobials as Aerosolized Therapeutics. <i>ACS Nano</i> , 2013, 7, 4977-4987.	7.3	44
18	Cystic fibrosis mutations for p.F508del compound heterozygotes predict sweat chloride levels and pancreatic sufficiency. <i>Clinical Genetics</i> , 2012, 82, 546-551.	1.0	16

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19	Aerosolized Antimicrobial Agents Based on Degradable Dextran Nanoparticles Loaded with Silver Carbene Complexes. <i>Molecular Pharmaceutics</i> , 2012, 9, 3012-3022.	2.3	49
20	Synthesis, characterization, and antimicrobial activity of silver carbene complexes derived from 4,5,6,7-tetrachlorobenzimidazole against antibiotic resistant bacteria. <i>Dalton Transactions</i> , 2012, 41, 6500.	1.6	41
21	In vitro antimicrobial studies of silver carbene complexes: activity of free and nanoparticle carbene formulations against clinical isolates of pathogenic bacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 138-148.	1.3	135
22	ATP7B detoxifies silver in ciliated airway epithelial cells. <i>Toxicology and Applied Pharmacology</i> , 2010, 243, 315-322.	1.3	22
23	Azithromycin attenuates airway inflammation in a mouse model of viral bronchiolitis. <i>Respiratory Research</i> , 2010, 11, 90.	1.4	80
24	Risk Factors And Complications In Pediatric Patients With Novel H1N1 Influenza Admitted To PICU: The Dallas Experience. , 2010, , .		0
25	Pulmonary Pathology in Thyroid Transcription Factor-1 Deficiency Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 549-554.	2.5	61
26	Entry of Burkholderia organisms into respiratory epithelium: CFTR, microfilament and microtubule dependence. <i>Journal of Cystic Fibrosis</i> , 2010, 9, 36-43.	0.3	19
27	Shell crosslinked nanoparticles carrying silver antimicrobials as therapeutics. <i>Chemical Communications</i> , 2010, 46, 121-123.	2.2	50
28	Azithromycin Attenuates Airway Inflammation in a Noninfectious Mouse Model of Allergic Asthma. <i>Chest</i> , 2009, 136, 498-506.	0.4	65
29	In Vitro and Murine Efficacy and Toxicity Studies of Nebulized SCC1, a Methylated Caffeine-Silver(I) Complex, for Treatment of Pulmonary Infections. <i>Antimicrobial Agents and Chemotherapy</i> , 2009, 53, 3285-3293.	1.4	74
30	Synthesis and in vitro Efficacy Studies of Silver Carbene Complexes on Biosafety Level 3 Bacteria. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1739-1745.	1.0	61
31	IL-12 p80-dependent macrophage recruitment primes the host for increased survival following a lethal respiratory viral infection. <i>Immunology</i> , 2009, 126, 500-513.	2.0	13
32	The antimicrobial efficacy of sustained release silver-carbene complex-loaded L-tyrosine polyphosphate nanoparticles: Characterization, in vitro and in vivo studies. <i>Biomaterials</i> , 2009, 30, 3771-3779.	5.7	156
33	The Medicinal Applications of Imidazolium Carbene-Metal Complexes. <i>Chemical Reviews</i> , 2009, 109, 3859-3884.	23.0	693
34	A theobromine derived silver N-heterocyclic carbene: synthesis, characterization, and antimicrobial efficacy studies on cystic fibrosis relevant pathogens. <i>Dalton Transactions</i> , 2009, , 7308.	1.6	68
35	Azithromycin Attenuated Airway Inflammation in a Non-Infectious Mouse Model of Allergic Asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2009, 123, S263-S263.	1.5	1
36	Predictors of mucoid <i>Pseudomonas</i> colonization in cystic fibrosis patients. <i>Pediatric Pulmonology</i> , 2008, 43, 463-471.	1.0	58

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37	Neutrophil Depletion Causes a Fatal Defect in Murine Pulmonary Staphylococcus aureus clearance. Journal of Surgical Research, 2008, 150, 278-285.	0.8	79
38	Synthesis, Stability, and Antimicrobial Studies of Electronically Tuned Silver Acetate <i>N</i> -Heterocyclic Carbenes. Journal of Medicinal Chemistry, 2008, 51, 1577-1583.	2.9	194
39	Airway Inflammation in Cystic Fibrosis. Chest, 2008, 133, 489-495.	0.4	208
40	Panton-Valentine Leukocidin-Positive Methicillin-Resistant Staphylococcus aureus Lung Infection in Patients With Cystic Fibrosis. Chest, 2007, 131, 1718-1725.	0.4	81
41	<i>N</i> -Heterocyclic carbene-silver complexes: A new class of antibiotics. Coordination Chemistry Reviews, 2007, 251, 884-895.	9.5	439
42	Transmission of Panton-Valentine Leukocidin-Positive Staphylococcus Aureus between Patients with Cystic Fibrosis. Journal of Pediatrics, 2007, 151, 90-92.	0.9	14
43	Synthesis from Caffeine of a Mixed <i>N</i> -Heterocyclic Carbene-Silver Acetate Complex Active against Resistant Respiratory Pathogens. Journal of Medicinal Chemistry, 2006, 49, 6811-6818.	2.9	214
44	Hypersusceptibility of cystic fibrosis mice to chronic Pseudomonas aeruginosa oropharyngeal colonization and lung infection. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1949-1954.	3.3	101
45	Pseudomonas aeruginosa-Induced Apoptosis Is Defective in Respiratory Epithelial Cells Expressing Mutant Cystic Fibrosis Transmembrane Conductance Regulator. American Journal of Respiratory Cell and Molecular Biology, 2003, 29, 188-197.	1.4	114
46	CFTR is a pattern recognition molecule that extracts Pseudomonas aeruginosa LPS from the outer membrane into epithelial cells and activates NF- $\kappa$ B translocation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6907-6912.	3.3	135
47	Lung Infections Associated with Cystic Fibrosis. Clinical Microbiology Reviews, 2002, 15, 194-222.	5.7	1,412
48	Establishment of Pseudomonas aeruginosa infection: lessons from a versatile opportunist <sup>1</sup> *Address for correspondence: Channing Laboratory, 181 Longwood Avenue, Boston, MA 02115, USA. Microbes and Infection, 2000, 2, 1051-1060.	1.0	1,191
49	<i>Mycobacterium abscessus</i> Infection in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 641-645.	2.5	154
50	Ciprofloxacin overdose: Acute renal failure with prominent apoptotic changes. American Journal of Kidney Diseases, 1998, 31, 710-712.	2.1	51
51	Recombinant pICln Forms Highly Cation-selective Channels when Reconstituted into Artificial and Biological Membranes. Journal of General Physiology, 1998, 112, 727-736.	0.9	42
52	A finite element model for cardiac cryopreservation. Cryobiology, 1980, 17, 601.	0.3	0