

# AurÃ©lie CrabbÃ©

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,828  
citations

279701

23  
h-index

289141

40  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organotypic 3D cell culture models: using the rotating wall vessel to study host-pathogen interactions. <i>Nature Reviews Microbiology</i> , 2010, 8, 791-801.	13.6	257
2	Antimicrobial Tolerance and Metabolic Adaptations in Microbial Biofilms. <i>Trends in Microbiology</i> , 2019, 27, 850-863.	3.5	166
3	Modeling Host-Pathogen Interactions in the Context of the Microenvironment: Three-Dimensional Cell Culture Comes of Age. <i>Infection and Immunity</i> , 2018, 86, .	1.0	108
4	Use of the rotating wall vessel technology to study the effect of shear stress on growth behaviour of <i>Pseudomonas aeruginosa</i> PA01. <i>Environmental Microbiology</i> , 2008, 10, 2098-2110.	1.8	105
5	Response of <i>Pseudomonas aeruginosa</i> PA01 to low shear modelled microgravity involves AlgU regulation. <i>Environmental Microbiology</i> , 2010, 12, 1545-1564.	1.8	95
6	The generation of 3-D tissue models based on hyaluronan hydrogel-coated microcarriers within a rotating wall vessel bioreactor. <i>Biomaterials</i> , 2010, 31, 8426-8435.	5.7	90
7	Antimicrobial efficacy against <i>Pseudomonas aeruginosa</i> biofilm formation in a three-dimensional lung epithelial model and the influence of fetal bovine serum. <i>Scientific Reports</i> , 2017, 7, 43321.	1.6	62
8	<i>Rothia mucilaginosa</i> is an anti-inflammatory bacterium in the respiratory tract of patients with chronic lung disease. <i>European Respiratory Journal</i> , 2022, 59, 2101293.	3.1	60
9	Coumarin Reduces Virulence and Biofilm Formation in <i>Pseudomonas aeruginosa</i> by Affecting Quorum Sensing, Type III Secretion and C-di-GMP Levels. <i>Frontiers in Microbiology</i> , 2018, 9, 1952.	1.5	59
10	RhlR-Regulated Acyl-Homoserine Lactone Quorum Sensing in a Cystic Fibrosis Isolate of <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020, 11, .	1.8	59
11	Recellularization of Decellularized Lung Scaffolds Is Enhanced by Dynamic Suspension Culture. <i>PLoS ONE</i> , 2015, 10, e0126846.	1.1	58
12	Influence of the lung microbiome on antibiotic susceptibility of cystic fibrosis pathogens. <i>European Respiratory Review</i> , 2019, 28, 190041.	3.0	48
13	Glycerol Supplementation Enhances <i>L. reuteri</i> 's Protective Effect against <i>S. Typhimurium</i> Colonization in a 3-D Model of Colonic Epithelium. <i>PLoS ONE</i> , 2012, 7, e37116.	1.1	45
14	Three-dimensional organotypic co-culture model of intestinal epithelial cells and macrophages to study <i>Salmonella enterica</i> colonization patterns. <i>Npj Microgravity</i> , 2017, 3, 10.	1.9	45
15	Host metabolites stimulate the bacterial proton motive force to enhance the activity of aminoglycoside antibiotics. <i>PLoS Pathogens</i> , 2019, 15, e1007697.	2.1	44
16	Mimicking the host and its microenvironment <i>in vitro</i> for studying mucosal infections by <i>Pseudomonas aeruginosa</i> . <i>Pathogens and Disease</i> , 2014, 71, 1-19.	0.8	43
17	Community Composition Determines Activity of Antibiotics against Multispecies Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	43
18	Alveolar epithelium protects macrophages from quorum sensing-induced cytotoxicity in a three-dimensional co-culture model. <i>Cellular Microbiology</i> , 2011, 13, 469-481.	1.1	36

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19	Spaceflight modulates gene expression in the whole blood of astronauts. <i>Npj Microgravity</i> , 2016, 2, 16039.	1.9	36
20	The deletion of TonB-dependent receptor genes is part of the genome reduction process that occurs during adaptation of <i>Pseudomonas aeruginosa</i> to the cystic fibrosis lung. <i>Pathogens and Disease</i> , 2014, 71, 26-38.	0.8	32
21	The Antimicrobial Peptide lin-SB056-1 and Its Dendrimeric Derivative Prevent <i>Pseudomonas aeruginosa</i> Biofilm Formation in Physiologically Relevant Models of Chronic Infections. <i>Frontiers in Microbiology</i> , 2019, 10, 198.	1.5	30
22	In vitro evolution of <i>Pseudomonas aeruginosa</i> AA2 biofilms in the presence of cystic fibrosis lung microbiome members. <i>Scientific Reports</i> , 2019, 9, 12859.	1.6	29
23	The cystic fibrosis lung microenvironment alters antibiotic activity: causes and effects. <i>European Respiratory Review</i> , 2021, 30, 210055.	3.0	28
24	Decreased susceptibility of <i>Streptococcus anginosus</i> to vancomycin in a multispecies biofilm is due to increased thickness of the cell wall. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2323-2330.	1.3	27
25	Effect of Shear Stress on <i>Pseudomonas aeruginosa</i> Isolated from the Cystic Fibrosis Lung. <i>MBio</i> , 2016, 7, .	1.8	23
26	Developing selective media for quantification of multispecies biofilms following antibiotic treatment. <i>PLoS ONE</i> , 2017, 12, e0187540.	1.1	23
27	Porphyrins produced by acneic <i>Cutibacterium acnes</i> strains activate the inflammasome by inducing K <sup>+</sup> leakage. <i>IScience</i> , 2021, 24, 102575.	1.9	22
28	Antibiotic susceptibility of cystic fibrosis lung microbiome members in a multispecies biofilm. <i>Biofilm</i> , 2020, 2, 100031.	1.5	20
29	Evaluation of combination therapy for <i>Burkholderia cenocepacia</i> lung infection in different in vitro and in vivo models. <i>PLoS ONE</i> , 2017, 12, e0172723.	1.1	17
30	The Quorum-Sensing Inhibitor Furanone C-30 Rapidly Loses Its Tobramycin-Potentiating Activity against <i>Pseudomonas aeruginosa</i> Biofilms during Experimental Evolution. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, e0041321.	1.4	15
31	Model system parameters influence the sodium hypochlorite susceptibility of endodontic biofilms. <i>International Endodontic Journal</i> , 2021, 54, 1557-1570.	2.3	15
32	Various Evolutionary Trajectories Lead to Loss of the Tobramycin-Potentiating Activity of the Quorum-Sensing Inhibitor Baicalin Hydrate in <i>Burkholderia cenocepacia</i> Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	14
33	Bacterial Interference With Lactate Dehydrogenase Assay Leads to an Underestimation of Cytotoxicity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 494.	1.8	12
34	<i>Cutibacterium acnes</i> Phylotype I and II Strains Interact Differently With Human Skin Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 575164.	1.8	12
35	Intrapulmonary percussive ventilation improves lung function in cystic fibrosis patients chronically colonized with <i>Pseudomonas aeruginosa</i> : a pilot cross-over study. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 1143-1151.	1.3	11
36	Influence of three-dimensional lung epithelial cells and interspecies interactions on antibiotic efficacy against <i>Mycobacterium abscessus</i> and <i>Pseudomonas aeruginosa</i> . <i>Pathogens and Disease</i> , 2018, 76, .	0.8	9

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37	Microbial diversity and antimicrobial susceptibility in endotracheal tube biofilms recovered from mechanically ventilated COVID-19 patients. <i>Biofilm</i> , 2022, 4, 100079.	1.5	9
38	Antimicrobial Treatment Provides a Competitive Advantage to <i>Mycobacterium abscessus</i> in a Dual-Species Biofilm with <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	1.4	8
39	The role of small proteins in <i>Burkholderia cenocepacia</i> J2315 biofilm formation, persistence and intracellular growth. <i>Biofilm</i> , 2019, 1, 100001.	1.5	7
40	The Anti-Microbial Peptide (Lin-SB056-1)2-K Reduces Pro-Inflammatory Cytokine Release through Interaction with <i>Pseudomonas aeruginosa</i> Lipopolysaccharide. <i>Antibiotics</i> , 2020, 9, 585.	1.5	6