

# Giovanni Di Bonaventura

## List of Publications by Year in descending order

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98  
papers

5,397  
citations

136885

32  
h-index

85498

71  
g-index

100  
all docs

100  
docs citations

100  
times ranked

7179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioactive compounds: a goldmine for defining new strategies against pathogenic bacterial biofilms?. <i>Critical Reviews in Microbiology</i> , 2023, 49, 117-149.	2.7	10
2	Giving Drugs a Second Chance: Antibacterial and Antibiofilm Effects of Ciclopirox and Ribavirin against Cystic Fibrosis <i>Pseudomonas aeruginosa</i> Strains. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5029.	1.8	5
3	In Vitro Newly Isolated Environmental Phage Activity against Biofilms Preformed by <i>Pseudomonas aeruginosa</i> from Patients with Cystic Fibrosis. <i>Microorganisms</i> , 2021, 9, 478.	1.6	9
4	Normal breathing releases SARS-CoV-2 into the air. <i>Journal of Medical Microbiology</i> , 2021, 70, .	0.7	7
5	Gram-Negative Bacteria Holding Together in a Biofilm: The <i>Acinetobacter baumannii</i> Way. <i>Microorganisms</i> , 2021, 9, 1353.	1.6	30
6	Biofilm Formation among <i>Stenotrophomonas maltophilia</i> Isolates Has Clinical Relevance: The ANSELM Prospective Multicenter Study. <i>Microorganisms</i> , 2021, 9, 49.	1.6	16
7	In Vitro Antimicrobial Susceptibility Testing of Biofilm-Growing Bacteria: Current and Emerging Methods. <i>Advances in Experimental Medicine and Biology</i> , 2021, , 1.	0.8	4
8	Repurposing the Veterinary Antibiotic Apramycin for Antibacterial and Antibiofilm Activity Against <i>Pseudomonas aeruginosa</i> From Cystic Fibrosis Patients. <i>Frontiers in Microbiology</i> , 2021, 12, 801152.	1.5	4
9	Microbiological Laboratory Diagnosis of Human Brucellosis: An Overview. <i>Pathogens</i> , 2021, 10, 1623.	1.2	37
10	Clonal Diversity, Biofilm Formation, and Antimicrobial Resistance among <i>Stenotrophomonas maltophilia</i> Strains from Cystic Fibrosis and Non-Cystic Fibrosis Patients. <i>Antibiotics</i> , 2020, 9, 15.	1.5	35
11	Growth Control of Adherent-Invasive <i>Escherichia coli</i> (AIEC) by the Predator Bacteria <i>Bdellovibrio bacteriovorus</i> : A New Therapeutic Approach for Crohn's Disease Patients. <i>Microorganisms</i> , 2020, 8, 17.	1.6	9
12	Ambient air pollution and respiratory bacterial infections, a troubling association: epidemiology, underlying mechanisms, and future challenges. <i>Critical Reviews in Microbiology</i> , 2020, 46, 600-630.	2.7	22
13	Rapid Detection of Methicillin-Resistant <i>Staphylococcus aureus</i> Directly from Blood for the Diagnosis of Bloodstream Infections: A Mini-Review. <i>Diagnostics</i> , 2020, 10, 830.	1.3	9
14	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
15	Olive Pectin by Multi-Phase Decanter as Potential Source of Bioactive Compounds of Both Nutraceutical and Anticancer Effects. <i>Molecules</i> , 2020, 25, 5967.	1.7	15
16	Identification of CTX-M-15 and CTX-M-27 in Antibiotic-Resistant Gram-Negative Bacteria Isolated from Three Rivers Running in Central Italy. <i>Microbial Drug Resistance</i> , 2019, 25, 1041-1049.	0.9	23
17	An Overview on <i>Streptococcus bovis</i> / <i>Streptococcus equinus</i> Complex Isolates: Identification to the Species/Subspecies Level and Antibiotic Resistance. <i>International Journal of Molecular Sciences</i> , 2019, 20, 480.	1.8	37
18	Colonic adenoma-associated <i>Escherichia coli</i> express specific phenotypes. <i>Microbes and Infection</i> , 2019, 21, 305-312.	1.0	18

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19	Evaluation of in vitro activity of ceftolozane-tazobactam compared to other antimicrobial agents against <i>Pseudomonas aeruginosa</i> isolates from cystic fibrosis patients. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 94, 297-303.	0.8	14
20	Adhesion and biofilm formation by <i>Staphylococcus aureus</i> clinical isolates under conditions relevant to the host: relationship with macrolide resistance and clonal lineages. <i>Journal of Medical Microbiology</i> , 2019, 68, 148-160.	0.7	3
21	An antimicrobial bicyclic peptide from chemical space against multidrug resistant Gram-negative bacteria. <i>Chemical Communications</i> , 2018, 54, 5130-5133.	2.2	25
22	Infection of recurrent calcaneal ulcer caused by a biofilm-producer <i>Myroides odoratimimus</i> strain. <i>Folia Microbiologica</i> , 2018, 63, 203-207.	1.1	22
23	Microbial biofilm: a "sticky" problem. <i>Microbiologia Medica</i> , 2018, 33, .	0.3	3
24	Peptide dendrimers as "lead compounds" for the treatment of chronic lung infections by <i>Pseudomonas aeruginosa</i> in cystic fibrosis patients: in vitro and in vivo studies. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 1767-1782.	1.1	23
25	Phylogenetic relationships, biofilm formation, motility, antibiotic resistance and extended virulence genotypes among <i>Escherichia coli</i> strains from women with community-onset primitive acute pyelonephritis. <i>PLoS ONE</i> , 2018, 13, e0196260.	1.1	25
26	Electrochemically Synthesized Silver Nanoparticles Are Active Against Planktonic and Biofilm Cells of <i>Pseudomonas aeruginosa</i> and Other Cystic Fibrosis-Associated Bacterial Pathogens. <i>Frontiers in Microbiology</i> , 2018, 9, 1349.	1.5	48
27	<i>Stenotrophomonas maltophilia</i> mutant lacking flagella remains virulent in DBA/2N mice but is less efficient in stimulating TNF- $\alpha$ expression. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	3
28	<i>Staphylococcal Taxonomy</i> . , 2018, , 1-10.		5
29	Critical review on biofilm methods. <i>Critical Reviews in Microbiology</i> , 2017, 43, 313-351.	2.7	693
30	Editorial: A Multidisciplinary Look at <i>Stenotrophomonas maltophilia</i> : An Emerging Multi-Drug-Resistant Global Opportunistic Pathogen. <i>Frontiers in Microbiology</i> , 2017, 8, 1511.	1.5	58
31	D-BMAP18 Antimicrobial Peptide Is Active In vitro, Resists to Pulmonary Proteases but Loses Its Activity in a Murine Model of <i>Pseudomonas aeruginosa</i> Lung Infection. <i>Frontiers in Chemistry</i> , 2017, 5, 40.	1.8	25
32	Evolution of <i>Stenotrophomonas maltophilia</i> in Cystic Fibrosis Lung over Chronic Infection: A Genomic and Phenotypic Population Study. <i>Frontiers in Microbiology</i> , 2017, 8, 1590.	1.5	85
33	<i>Myroides odoratimimus</i> Forms Structurally Complex and Inherently Antibiotic-Resistant Biofilm in a Wound-Like in vitro Model. <i>Frontiers in Microbiology</i> , 2017, 8, 2591.	1.5	9
34	<i>Stenotrophomonas maltophilia</i> Phenotypic and Genotypic Diversity during a 10-year Colonization in the Lungs of a Cystic Fibrosis Patient. <i>Frontiers in Microbiology</i> , 2016, 7, 1551.	1.5	55
35	Identification, antimicrobial resistance and molecular characterization of the human emerging pathogen <i>Streptococcus gallolyticus</i> subsp. <i>pasteurianus</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 86, 329-335.	0.8	14
36	Evaluation of antibacterial and antibiofilm mechanisms by usnic acid against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Future Microbiology</i> , 2016, 11, 1315-1338.	1.0	23

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37	In vitro and in vivo evaluation of BMAP-derived peptides for the treatment of cystic fibrosis-related pulmonary infections. <i>Amino Acids</i> , 2016, 48, 2253-2260.	1.2	35
38	In vitro activity of levofloxacin against planktonic and biofilm <i>Stenotrophomonas maltophilia</i> lifestyles under conditions relevant to pulmonary infection in cystic fibrosis, and relationship with SmeDEF multidrug efflux pump expression. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw145.	0.7	5
39	<i>Corynebacterium glucuronolyticum</i> causing genitourinary tract infection: Case report and review of the literature. <i>IDCases</i> , 2015, 2, 56-58.	0.4	14
40	Cooperative pathogenicity in cystic fibrosis: <i>Stenotrophomonas maltophilia</i> modulates <i>Pseudomonas aeruginosa</i> virulence in mixed biofilm. <i>Frontiers in Microbiology</i> , 2015, 6, 951.	1.5	82
41	In vitro activity of colistin against biofilm by <i>Pseudomonas aeruginosa</i> is significantly improved under cystic fibrosis-like physicochemical conditions. <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 82, 318-325.	0.8	27
42	Fatal sepsis by <i>Klebsiella pneumoniae</i> in a patient with systemic lupus erythematosus: the importance of postmortem microbiological examination for the ex post diagnosis of infection. <i>International Journal of Legal Medicine</i> , 2015, 129, 1097-1101.	1.2	5
43	An overview of various typing methods for clinical epidemiology of the emerging pathogen <i>Stenotrophomonas maltophilia</i> . <i>Diagnostic Microbiology and Infectious Disease</i> , 2015, 81, 219-226.	0.8	47
44	New insights in <i>Staphylococcus pseudintermedius</i> pathogenicity: antibiotic-resistant biofilm formation by a human wound-associated strain. <i>BMC Microbiology</i> , 2015, 15, 109.	1.3	47
45	Determination of ciprofloxacin and levofloxacin in human sputum collected from cystic fibrosis patients using microextraction by packed sorbent-high performance liquid chromatography photodiode array detector. <i>Journal of Chromatography A</i> , 2015, 1419, 58-66.	1.8	71
46	Characterization of <i>Streptococcus pneumoniae</i> clones from paediatric patients with cystic fibrosis. <i>Journal of Medical Microbiology</i> , 2014, 63, 1704-1715.	0.7	11
47	Exposure to extremely low-frequency magnetic field affects biofilm formation by cystic fibrosis pathogens. <i>Future Microbiology</i> , 2014, 9, 1303-1317.	1.0	10
48	<i>Stenotrophomonas maltophilia</i> Virulence and Specific Variations in Trace Elements during Acute Lung Infection: Implications in Cystic Fibrosis. <i>PLoS ONE</i> , 2014, 9, e88769.	1.1	10
49	<i>Hafnia alvei</i> from the farm to the delivery room. <i>Veterinary Microbiology</i> , 2013, 163, 202-203.	0.8	3
50	Antimicrobial and antibiofilm activity of secondary metabolites of lichens against methicillin-resistant <i>Staphylococcus aureus</i> strains from cystic fibrosis patients. <i>Future Microbiology</i> , 2013, 8, 281-292.	1.0	49
51	Methicillin-Resistant <i>Staphylococcus pseudintermedius</i> Infection in a Bone Marrow Transplant Recipient. <i>Journal of Clinical Microbiology</i> , 2013, 51, 1636-1638.	1.8	46
52	In Vitro Microbiology Studies on a New Peritoneal Dialysis Connector. <i>Peritoneal Dialysis International</i> , 2012, 32, 552-557.	1.1	2
53	Tuberculosis-like pneumonias by the aerobic actinomycetes <i>Rhodococcus</i> , <i>Tsukamurella</i> and <i>Gordonia</i> . <i>Microbes and Infection</i> , 2012, 14, 401-410.	1.0	37
54	<i>Haemophilus influenzae</i> in children with cystic fibrosis: Antimicrobial susceptibility, molecular epidemiology, distribution of adhesins and biofilm formation. <i>International Journal of Medical Microbiology</i> , 2012, 302, 45-52.	1.5	47

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55	Comparative evaluation of the Vitek-2 Compact and Phoenix systems for rapid identification and antibiotic susceptibility testing directly from blood cultures of Gram-negative and Gram-positive isolates. <i>Diagnostic Microbiology and Infectious Disease</i> , 2012, 72, 20-31.	0.8	90
56	Potential novel therapeutic strategies in cystic fibrosis: antimicrobial and anti-biofilm activity of natural and designed $\alpha$ -helical peptides against <i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i> , and <i>Stenotrophomonas maltophilia</i> . <i>BMC Microbiology</i> , 2012, 12, 145.	1.3	79
57	First report of an acute purulent maxillary sinusitis caused by <i>Pseudomonas aeruginosa</i> secondary to dental implant placement in an immunocompetent patient. <i>British Dental Journal</i> , 2011, 211, 205-207.	0.3	11
58	Antibacterial and anti-biofilm effects of cathelicidin peptides against pathogens isolated from cystic fibrosis patients. <i>Peptides</i> , 2011, 32, 1807-1814.	1.2	105
59	Multidrug-resistant <i>Geotrichum capitatum</i> from a haematology ward. <i>Mycoses</i> , 2011, 54, 542-543.	1.8	11
60	A novel highly charged exopolysaccharide produced by two strains of <i>Stenotrophomonas maltophilia</i> recovered from patients with cystic fibrosis. <i>Carbohydrate Research</i> , 2011, 346, 1916-1923.	1.1	17
61	Phenotypic and genotypic characterization of <i>Stenotrophomonas maltophilia</i> isolates from patients with cystic fibrosis: Genome diversity, biofilm formation, and virulence. <i>BMC Microbiology</i> , 2011, 11, 159.	1.3	108
62	Pan-azole-Resistant <i>Candida guilliermondii</i> from a Leukemia Patient's Silent Funguria. <i>Mycopathologia</i> , 2010, 169, 457-459.	1.3	19
63	Adhesion to and biofilm formation on IB3-1 bronchial cells by <i>Stenotrophomonas maltophilia</i> isolates from cystic fibrosis patients. <i>BMC Microbiology</i> , 2010, 10, 102.	1.3	106
64	Subinhibitory concentrations of moxifloxacin decrease adhesion and biofilm formation of <i>Stenotrophomonas maltophilia</i> from cystic fibrosis. <i>Journal of Medical Microbiology</i> , 2010, 59, 76-81.	0.7	37
65	Role of Excessive Inflammatory Response to <i>Stenotrophomonas maltophilia</i> Lung Infection in DBA/2 Mice and Implications for Cystic Fibrosis. <i>Infection and Immunity</i> , 2010, 78, 2466-2476.	1.0	48
66	Bacterial Contamination of Platelets and Septic Transfusions: Review of the Literature and Discussion on Recent Patents About Biofilm Treatment. <i>Recent Patents on Anti-infective Drug Discovery</i> , 2010, 5, 168-176.	0.5	14
67	Chloramphenicol and rifampin may be the only options against <i>Stenotrophomonas maltophilia</i> . A tale of a colonized bladder device in a patient with myelofibrosis. <i>Infezioni in Medicina</i> , 2010, 18, 193-7.	0.7	8
68	Meticillin-heteroresistant <i>Staphylococcus pasteurii</i> from an apheresis platelet product. <i>Journal of Medical Microbiology</i> , 2009, 58, 1527-1528.	0.7	6
69	Isolation of colistin-resistant <i>Hafnia alvei</i> . <i>Journal of Medical Microbiology</i> , 2009, 58, 278-280.	0.7	5
70	Misidentification of ampicillin-sulbactam heteroresistance in <i>Acinetobacter baumannii</i> strains from ICU patients. <i>Journal of Infection</i> , 2009, 58, 316-317.	1.7	10
71	An unexpected isolate of <i>Hafnia alvei</i> with reduced susceptibility to cefoxitin. <i>Journal of Infection</i> , 2008, 57, 165-166.	1.7	4
72	Two Cases of Vaginitis Caused by Itraconazole-Resistant <i>Saccharomyces cerevisiae</i> and a Review of Recently Published Studies. <i>Mycopathologia</i> , 2008, 166, 47-50.	1.3	19

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73	Quick and reliable galactomannan detection in crude minced lung specimens from haematological patients with suspected invasive fungal infection: results from a case series. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2008, 27, 391-394.	1.3	1
74	Risk of misidentification of <i>Enterobacter aerogenes</i> inducible cephalosporinases. <i>Journal of Infection</i> , 2008, 57, 416-418.	1.7	0
75	Corrigendum to "Letter to the Editor" An unexpected isolate of <i>Hafnia alvei</i> with reduced susceptibility to cefoxitin [Journal of Infection 57 (2008) 165-166]. <i>Journal of Infection</i> , 2008, 57, 506.	1.7	0
76	Factors associated with adherence to and biofilm formation on polystyrene by <i>Stenotrophomonas maltophilia</i> : the role of cell surface hydrophobicity and motility. <i>FEMS Microbiology Letters</i> , 2008, 287, 41-47.	0.7	167
77	Influence of temperature on biofilm formation by <i>Listeria monocytogenes</i> on various food-contact surfaces: relationship with motility and cell surface hydrophobicity. <i>Journal of Applied Microbiology</i> , 2008, 104, 1552-1561.	1.4	359
78	VITEK 2 failure in screening <i>Hafnia alvei</i> inducible $\beta$ -lactam resistance. <i>Journal of Hospital Infection</i> , 2008, 69, 396-398.	1.4	3
79	Graft versus host disease-related <i>Hafnia alvei</i> colonization and probable infection. <i>Journal of Medical Microbiology</i> , 2008, 57, 1167-1169.	0.7	7
80	Femoral Prosthesis Infection by <i>Rhodotorula mucilaginosa</i> . <i>Journal of Clinical Microbiology</i> , 2008, 46, 3544-3545.	1.8	22
81	Multidrug-Resistant <i>Enterococcus raffinosus</i> From A Decubitus Ulcer: A Case Report. <i>International Journal of Lower Extremity Wounds</i> , 2008, 7, 36-37.	0.6	5
82	Ulcer Infection by ES $\beta$ L-Producing <i>Proteus mirabilis</i> : A Case Report. <i>International Journal of Lower Extremity Wounds</i> , 2008, 7, 99-101.	0.6	2
83	$\beta$ -Lactam Failure in Treatment of Two Group G <i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> Pharyngitis Patients. <i>Journal of Clinical Microbiology</i> , 2008, 46, 814-816.	1.8	18
84	A case of pharyngitis caused by <i>Streptococcus pneumoniae</i> . <i>Journal of Medical Microbiology</i> , 2008, 57, 674-675.	0.7	3
85	First report of vaginal infection caused by <i>Enterococcus raffinosus</i> . <i>Journal of Medical Microbiology</i> , 2008, 57, 672-673.	0.7	9
86	Multidrug-Resistant <i>Escherichia fergusonii</i> : a Case of Acute Cystitis. <i>Journal of Clinical Microbiology</i> , 2008, 46, 1551-1552.	1.8	50
87	Quantification of biofilm in microtiter plates: overview of testing conditions and practical recommendations for assessment of biofilm production by staphylococci. <i>Apmis</i> , 2007, 115, 891-899.	0.9	1,407
88	Effect of environmental factors on biofilm formation by clinical <i>Stenotrophomonas maltophilia</i> isolates. <i>Folia Microbiologica</i> , 2007, 52, 86-90.	1.1	51
89	Biofilm Formation by the Emerging Fungal Pathogen <i>Trichosporon asahii</i> : Development, Architecture, and Antifungal Resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2006, 50, 3269-3276.	1.4	198
90	In Vitro Pharmacodynamic Characteristics of Amphotericin B, Caspofungin, Fluconazole, and Voriconazole against Bloodstream Isolates of Infrequent <i>Candida</i> Species from Patients with Hematologic Malignancies. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 4453-4456.	1.4	49

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91	Biofilm Formation by <i>Stenotrophomonas maltophilia</i> : Modulation by Quinolones, Trimethoprim-Sulfamethoxazole, and Ceftazidime. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 151-160.	1.4	148
92	Role of antibiotic sensitivity testing before first-line <i>Helicobacter pylori</i> eradication treatments. <i>Alimentary Pharmacology and Therapeutics</i> , 2003, 18, 821-827.	1.9	39
93	Comparison of Etest, agar dilution, broth microdilution and disk diffusion methods for testing in vitro activity of levofloxacin against <i>Staphylococcus</i> spp. isolated from neutropenic cancer patients. <i>International Journal of Antimicrobial Agents</i> , 2002, 19, 147-154.	1.1	15
94	Fluids and Microbial Penetration in the Internal Part of Cement-Retained Versus Screw-Retained Implant-Abutment Connections. <i>Journal of Periodontology</i> , 2001, 72, 1146-1150.	1.7	110
95	Do Tonsils Represent an Extragastric Reservoir for <i>Helicobacter pylori</i> infection. <i>Journal of Infection</i> , 2001, 42, 221-222.	1.7	26
96	In Vitro Activity of Clarithromycin against Intracellular <i>Helicobacter pylori</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2001, 45, 1568-1571.	1.4	15
97	In vitro Viability of External Eye Microbial Flora in Hydroxy-Propyl-Methylcellulose. <i>Ophthalmologica</i> , 1999, 213, 265-268.	1.0	4
98	Evaluation of the E Test for Antimicrobial Susceptibility Testing of <i>Pseudomonas aeruginosa</i> Isolates from Patients with Long-Term Bladder Catheterization. <i>Journal of Clinical Microbiology</i> , 1998, 36, 824-826.	1.8	14