

# Gianfranco Donelli

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

5,052  
citations

126858

33  
h-index

143943

57  
g-index

62  
all docs

62  
docs citations

62  
times ranked

7089  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for combating bacterial biofilms: A focus on anti-biofilm agents and their mechanisms of action. <i>Virulence</i> , 2018, 9, 522-554.	1.8	874
2	Healthcare-associated infections, medical devices and biofilms: risk, tolerance and control. <i>Journal of Medical Microbiology</i> , 2015, 64, 323-334.	0.7	547
3	Prevention and control of biofilm-based medical-device-related infections. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 227-238.	2.7	384
4	Antifouling and antimicrobial biomaterials: an overview. <i>Apmis</i> , 2017, 125, 392-417.	0.9	223
5	Antibiotic Resistance Related to Biofilm Formation in <i>Klebsiella pneumoniae</i> . <i>Pathogens</i> , 2014, 3, 743-758.	1.2	214
6	Induction of phagocytic behaviour in human epithelial cells by <i>Escherichia coli</i> cytotoxic necrotizing factor type 1. <i>Molecular Microbiology</i> , 1993, 9, 1247-1254.	1.2	188
7	Biofilm formation in <i>Acinetobacter baumannii</i> . <i>New Microbiologica</i> , 2014, 37, 119-27.	0.1	156
8	N-Acetylcysteine inhibits apoptosis and decreases viral particles in HIV-chronically infected U937 cells. <i>FEBS Letters</i> , 1993, 327, 75-78.	1.3	151
9	Plastic Biliary Stent Occlusion: Factors Involved and Possible Preventive Approaches. <i>Clinical Medicine and Research</i> , 2007, 5, 53-60.	0.4	125
10	Occurrence, Diversity, and Pathogenicity of Halophilic <i>Vibrio</i> spp. and Non-O1 <i>Vibrio cholerae</i> from Estuarine Waters along the Italian Adriatic Coast. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2748-2753.	1.4	125
11	Enterotoxicity and Cytotoxicity of <i>Vibrio parahaemolyticus</i> Thermostable Direct Hemolysin in In Vitro Systems. <i>Infection and Immunity</i> , 2000, 68, 3180-3185.	1.0	120
12	Biofilm-growing intestinal anaerobic bacteria. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 65, 318-325.	2.7	116
13	Probiotics to counteract biofilm-associated infections: promising and conflicting data. <i>International Journal of Oral Science</i> , 2014, 6, 189-194.	3.6	112
14	A 50-Hz magnetic field induces structural and biophysical changes in membranes. <i>Bioelectromagnetics</i> , 1993, 14, 247-255.	0.9	99
15	<i>Escherichia coli</i> Cytotoxic Necrotizing Factor 1 (CNF1), a Toxin That Activates the Rho GTPase. <i>Journal of Biological Chemistry</i> , 1997, 272, 19532-19537.	1.6	96
16	<i>Clostridium difficile</i> Toxin B Induces Apoptosis in Intestinal Cultured Cells. <i>Infection and Immunity</i> , 1998, 66, 2660-2665.	1.0	90
17	Toxin-Induced Activation of Rho GTP-Binding Protein Increases Bcl-2 Expression and Influences Mitochondrial Homeostasis. <i>Experimental Cell Research</i> , 1998, 242, 341-350.	1.2	85
18	Antiseptics for treating infected wounds: Efficacy on biofilms and effect of pH. <i>Critical Reviews in Microbiology</i> , 2016, 42, 1-17.	2.7	68

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19	Biofilms and Wounds: An Identification Algorithm and Potential Treatment Options. <i>Advances in Wound Care</i> , 2015, 4, 389-397.	2.6	67
20	Rho-dependent cell spreading activated by E.coli cytotoxic necrotizing factor 1 hinders apoptosis in epithelial cells. <i>Cell Death and Differentiation</i> , 1998, 5, 921-929.	5.0	61
21	Pathogenic <i>Vibrio</i> Species in the Marine and Estuarine Environment. , 2005, , 217-252.		61
22	Probiotics and clinical effects: is the number what counts?. <i>Journal of Chemotherapy</i> , 2013, 25, 193-212.	0.7	58
23	Biofilm-based infections in long-term care facilities. <i>Future Microbiology</i> , 2014, 9, 175-188.	1.0	52
24	Microbial biofilms associated with biliary stent clogging. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 59, 410-420.	2.7	51
25	Antimicrobial Polymers for Anti-biofilm Medical Devices: State-of-Art and Perspectives. <i>Advances in Experimental Medicine and Biology</i> , 2015, 831, 93-117.	0.8	51
26	Subinhibitory concentrations of metronidazole increase biofilm formation in <i>Clostridium difficile</i> strains. <i>Pathogens and Disease</i> , 2016, 74, ftv114.	0.8	51
27	Characterization of Globally Spread <i>Escherichia coli</i> ST131 Isolates (1991 to 2010). <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 3973-3976.	1.4	49
28	<i>Vibrio parahaemolyticus</i> Thermostable Direct Hemolysin Modulates Cytoskeletal Organization and Calcium Homeostasis in Intestinal Cultured Cells. <i>Infection and Immunity</i> , 1999, 67, 1139-1148.	1.0	44
29	Vascular Catheter-Related Infection and Sepsis. <i>Surgical Infections</i> , 2006, 7, s-25-s-27.	0.7	42
30	Mechanism of astrovirus entry into Graham 293 cells. <i>Journal of Medical Virology</i> , 1992, 38, 271-277.	2.5	40
31	Low-level laser therapy as an antimicrobial and antibiofilm technology and its relevance to wound healing. <i>Future Microbiology</i> , 2015, 10, 255-272.	1.0	40
32	Novel Treatment Strategies for Biofilm-Based Infections. <i>Drugs</i> , 2019, 79, 1635-1655.	4.9	39
33	Both UVA and UVB induce cytoskeleton-dependent surface blebbing in epidermoid cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1994, 26, 265-270.	1.7	37
34	Diversity and biofilm-production ability among isolates of <i>Escherichia coli</i> phylogroup D belonging to ST69, ST393 and ST405 clonal groups. <i>BMC Microbiology</i> , 2013, 13, 144.	1.3	35
35	<i>Clostridium difficile</i> Biofilm. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1050, 97-115.	0.8	35
36	Antifouling polyurethanes to fight device-related staphylococcal infections: synthesis, characterization, and antibiofilm efficacy. <i>Pathogens and Disease</i> , 2014, 70, 401-407.	0.8	34

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37	Effects of a 50 Hz sinusoidal magnetic field on cell adhesion molecule expression in two human osteosarcoma cell lines (MG-63 and Saos-2). <i>Bioelectromagnetics</i> , 2003, 24, 327-338.	0.9	33
38	Cytotoxic Necrotizing Factor 1 Enhances Reactive Oxygen Species-Dependent Transcription and Secretion of Proinflammatory Cytokines in Human Uroepithelial Cells. <i>Infection and Immunity</i> , 2003, 71, 4178-4181.	1.0	33
39	Induction of apoptosis in HT-29 cells infected with SA-11 rotavirus. , 1996, 50, 325-334.		32
40	Phenotyping and genotyping are both essential to identify and classify a probiotic microorganism. <i>Microbial Ecology in Health and Disease</i> , 2013, 24, .	3.8	32
41	Polylysine induces changes in membrane electrical properties of K562 cells. , 1997, 35, 165-174.		30
42	Inhibition of Rotavirus Replication by Prostaglandin A: Evidence for a Block of Virus Maturation. <i>Journal of Infectious Diseases</i> , 1998, 178, 564-568.	1.9	26
43	Tumor necrosis factor $\hat{\pm}$ is a powerful apoptotic inducer in lymphoid leukemic cells expressing the P-170 glycoprotein. , 1996, 67, 238-247.		20
44	Sex Pheromone Response, Clumping, and Slime Production in Enterococcal Strains Isolated from Occluded Biliary Stents. <i>Journal of Clinical Microbiology</i> , 2004, 42, 3419-3427.	1.8	20
45	The effectiveness of photodynamic therapy on planktonic cells and biofilms and its role in wound healing. <i>Future Microbiology</i> , 2014, 9, 1083-1094.	1.0	20
46	In vitro effect of synthetic flavanoids on astrovirus infection. <i>Antiviral Research</i> , 1990, 13, 201-208.	1.9	19
47	The rotavirus genus. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1994, 17, 305-320.	0.7	16
48	Antioxidant Hydroxytyrosol-Based Polyacrylate with Antimicrobial and Antiadhesive Activity Versus <i>Staphylococcus Epidermidis</i> . <i>Advances in Experimental Medicine and Biology</i> , 2015, 901, 25-36.	0.8	16
49	Down-modulation of CD4 antigen during programmed cell death in U937 cells. <i>FEBS Letters</i> , 1993, 336, 335-339.	1.3	14
50	<i>Clostridium difficile</i> : an Update on Virulence Mechanisms. <i>Anaerobe</i> , 1996, 2, 337-343.	1.0	14
51	Efficacy Evaluation of Antimicrobial Drug-Releasing Polymer Matrices. <i>Methods in Molecular Biology</i> , 2014, 1147, 215-225.	0.4	13
52	Anaerobes in Biofilm-Based Healthcare-Associated Infections. <i>Advances in Experimental Medicine and Biology</i> , 2015, 830, 97-112.	0.8	12
53	Field Emission Scanning Electron Microscopy of Biofilm-Growing Bacteria Involved in Nosocomial Infections. <i>Methods in Molecular Biology</i> , 2014, 1147, 73-84.	0.4	12
54	A 50 Hz sinusoidal magnetic field induces changes in the membrane electrical properties of K562 leukaemic cells. <i>Bioelectrochemistry</i> , 1995, 36, 39-45.	1.0	11

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55	Usnic Acid: Potential Role in Management of Wound Infections. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1214, 31-41.	0.8	10
56	Antioxidant N-acetyl-cysteine increasing cell adhesion capability could facilitate the biocompatibility processes. <i>Biomaterials</i> , 1996, 17, 921-928.	5.7	9
57	A 50 Hz sinusoidal magnetic field does not damage MG-63 three-dimensional tumor spheroids but induces changes in their invasive properties. <i>Bioelectromagnetics</i> , 2006, 27, 132-141.	0.9	9
58	Poloxamer 338 Affects Cell Adhesion and Biofilm Formation in <i>Escherichia coli</i> : Potential Applications in the Management of Catheter-Associated Urinary Tract Infections. <i>Pathogens</i> , 2020, 9, 885.	1.2	9
59	Biofilm-Forming Ability and Clonality in <i>Acinetobacter baumannii</i> Strains Isolated from Urine Samples and Urinary Catheters in Different European Hospitals. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1057, 73-83.	0.8	5
60	Tubuloreticular Structures Induced by Rotavirus Infection in HT-29 Cells. <i>Ultrastructural Pathology</i> , 1996, 20, 571-576.	0.4	4