List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Contribution of Quorum Sensing to the Virulence of <i>Pseudomonas aeruginosa</i> in Burn Wound Infections. Infection and Immunity, 1999, 67, 5854-5862.	2.2	389
2	The role of quorum sensing in the in vivo virulence of Pseudomonas aeruginosa. Microbes and Infection, 2000, 2, 1721-1731.	1.9	199
3	Analysis of quorum sensing-deficient clinical isolates of Pseudomonas aeruginosa. Journal of Medical Microbiology, 2004, 53, 841-853.	1.8	190
4	Pseudomonas aeruginosa Forms Biofilms in Acute Infection Independent of Cell-to-Cell Signaling. Infection and Immunity, 2007, 75, 3715-3721.	2.2	148
5	Isolation and characterization of a putative multidrug resistance pump fromVibrio cholerae. Molecular Microbiology, 1998, 27, 63-72.	2.5	102
6	Organoselenium Coating on Cellulose Inhibits the Formation of Biofilms by <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . Applied and Environmental Microbiology, 2009, 75, 3586-3592.	3.1	100
7	An in vitro biofilm model to examine the effect of antibiotic ointments on biofilms produced by burn wound bacterial isolates. Burns, 2011, 37, 312-321.	1.9	76
8	Isolation and characterization of a Pseudomonas aeruginosa gene, ptxR , which positively regulates exotoxin A production. Molecular Microbiology, 1996, 21, 97-110.	2.5	74
9	Contribution of the Regulatory Gene lasR to the Pathogenesis of Pseudomonas aeruginosa Infection of Burned Mice. Journal of Burn Care and Research, 1999, 20, 42-49.	1.6	71
10	An Organoselenium Compound Inhibits Staphylococcus aureus Biofilms on Hemodialysis Catheters <i>In Vivo</i> . Antimicrobial Agents and Chemotherapy, 2012, 56, 972-978.	3.2	69
11	Production of Extracellular Virulence Factors byPseudomonas aeruginosalsolates Obtained from Tracheal, Urinary Tract, and Wound Infections. Journal of Surgical Research, 1996, 61, 425-432.	1.6	67
12	mvaTmutation modifies the expression of thePseudomonas aeruginosamultidrug efflux operonmexEF-oprN. FEMS Microbiology Letters, 2006, 255, 247-254.	1.8	65
13	Characterization of biofilm-like structures formed by Pseudomonas aeruginosa in a synthetic mucus medium. BMC Microbiology, 2012, 12, 181.	3.3	60
14	Serum Inhibits P. aeruginosa Biofilm Formation on Plastic Surfaces and Intravenous Catheters. Journal of Surgical Research, 2010, 159, 735-746.	1.6	55
15	Garlic ointment inhibits biofilm formation by bacterial pathogens from burn wounds. Journal of Medical Microbiology, 2012, 61, 662-671.	1.8	43
16	PtxR modulates the expression of QS-controlled virulence factors in the Pseudomonas aeruginosa strain PAO1. Molecular Microbiology, 2006, 61, 782-794.	2.5	41
17	Biofilm blocking sesquiterpenes from Teucrium polium. Phytochemistry, 2014, 103, 107-113.	2.9	37
18	Regulation of the Pseudomonas aeruginosa toxA, regA and ptxR genes by the iron-starvation sigma factor PvdS under reduced levels of oxygen. Microbiology (United Kingdom), 2007, 153, 4219-4233.	1.8	37

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19	Strategies to prevent biofilm-based tympanostomy tube infections. International Journal of Pediatric Otorhinolaryngology, 2014, 78, 1433-1438.	1.0	33
20	Characterization of the 2-ketogluconate utilization operon in Pseudomonas aeruginosa PAO1. Molecular Microbiology, 2002, 37, 561-573.	2.5	31
21	Diversity of biofilms produced by quorum-sensing-deficient clinical isolates of Pseudomonas aeruginosa. Journal of Medical Microbiology, 2007, 56, 738-748.	1.8	31
22	Attachment of selenium to a reverse osmosis membrane to inhibit biofilm formation of S. aureus. Journal of Membrane Science, 2011, 378, 171-178.	8.2	31
23	Major Transcriptome Changes Accompany the Growth of Pseudomonas aeruginosa in Blood from Patients with Severe Thermal Injuries. PLoS ONE, 2016, 11, e0149229.	2.5	31
24	Next Science Wound Gel Technology, a Novel Agent That Inhibits Biofilm Development by Gram-Positive and Gram-Negative Wound Pathogens. Antimicrobial Agents and Chemotherapy, 2014, 58, 3060-3072.	3.2	29
25	Metabolic benefits of annatto-extracted tocotrienol on glucose homeostasis, inflammation, and gut microbiome. Nutrition Research, 2020, 77, 97-107.	2.9	29
26	Norepinephrine represses the expression of <i>toxA</i> and the siderophore genes in <i>Pseudomonas aeruginosa</i> . FEMS Microbiology Letters, 2009, 299, 100-109.	1.8	28
27	The Pseudomonas aeruginosa global regulator MvaT specifically binds to the ptxS upstream region and enhances ptxS expression. Microbiology (United Kingdom), 2004, 150, 3797-3806.	1.8	27
28	Effect of static growth and different levels of environmental oxygen on toxA and ptxR expression in the Pseudomonas aeruginosa strain PAO1. Microbiology (United Kingdom), 2005, 151, 2263-2275.	1.8	26
29	Toxin A secretion in Pseudomonas aeruginosa: the role of the first 30 amino acids of the mature toxin. Molecular Genetics and Genomics, 1995, 249, 515-525.	2.4	23
30	Regulation of Pseudomonas aeruginosa ptxR by Vfr. Microbiology (United Kingdom), 2008, 154, 431-439.	1.8	22
31	Role of Vfr in regulating exotoxin A production by Pseudomonas aeruginosa. Microbiology (United) Tj ETQq1 1	0.784314 1.8	rgBT /Overloci 20
32	Hereditary hemochromatosis promotes colitis and colon cancer and causes bacterial dysbiosis in mice. Biochemical Journal, 2020, 477, 3867-3883.	3.7	20
33	Serum influences the expression of <i><scp>P</scp>seudomonas aeruginosa</i> quorumâ€sensing genes and <scp>QS</scp> â€controlled virulence genes during early and late stages of growth. MicrobiologyOpen, 2014, 3, 64-79.	3.0	19
34	Mucin inhibits <i>Pseudomonas aeruginosa</i> biofilm formation by significantly enhancing twitching motility. Canadian Journal of Microbiology, 2014, 60, 155-166.	1.7	19
35	Serum albumin alters the expression of iron-controlled genes in Pseudomonas aeruginosa. Microbiology (United Kingdom), 2012, 158, 353-367.	1.8	19
36	New markers for sepsis caused by Pseudomonas aeruginosa during burn infection. Metabolomics, 2020, 16, 40.	3.0	18

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37	Organoselenium Polymer Inhibits Biofilm Formation in Polypropylene Contact Lens Case Material. Eye and Contact Lens, 2017, 43, 110-115.	1.6	17
38	Preparation of chitinâ€CdTe quantum dots films and antibacterial effect on <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . Journal of Applied Polymer Science, 2017, 134, .	2.6	17
39	Application of Lactobacillus gasseri 63 AM supernatant to Pseudomonas aeruginosa-infected wounds prevents sepsis in murine models of thermal injury and dorsal excision. Journal of Medical Microbiology, 2019, 68, 1560-1572.	1.8	17
40	The use of covalently attached organo-selenium to inhibit S. aureus and E. coli biofilms on RO membranes and feed spacers. Desalination, 2013, 317, 142-151.	8.2	16
41	Attachment of organo-selenium to polyamide composite reverse osmosis membranes to inhibit biofilm formation of S. aureus and E. coli. Desalination, 2013, 309, 291-295.	8.2	16
42	Osteoprotective effect of green tea polyphenols and annatto-extracted tocotrienol in obese mice is associated with enhanced microbiome vitamin K2 biosynthetic pathways. Journal of Nutritional Biochemistry, 2020, 86, 108492.	4.2	16
43	The ability of quaternary ammonium groups attached to a urethane bandage to inhibit bacterial attachment and biofilm formation in a mouse wound model. International Wound Journal, 2017, 14, 79-84.	2.9	15
44	Inhibition of Otopathogenic Biofilms by Organoselenium-Coated Tympanostomy Tubes. JAMA Otolaryngology - Head and Neck Surgery, 2013, 139, 1009.	2.2	14
45	The pvc Operon Regulates the Expression of the Pseudomonas aeruginosa Fimbrial Chaperone/Usher Pathway (Cup) Genes. PLoS ONE, 2013, 8, e62735.	2.5	14
46	The Pseudomonas aeruginosa extracellular secondary metabolite, Paerucumarin, chelates iron and is not localized to extracellular membrane vesicles. Journal of Microbiology, 2016, 54, 573-581.	2.8	14
47	Heparinase Is Essential for Pseudomonas aeruginosa Virulence during Thermal Injury and Infection. Infection and Immunity, 2018, 86, .	2.2	14
48	Intrawound Vancomycin Powder Reduces Bacterial Load in Contaminated Open Fracture Model. Journal of Orthopaedic Trauma, 2018, 32, 538-541.	1.4	14
49	Regulation of Pseudomonas Aeruginosa Exotoxin a Synthesis. , 2004, , 389-423.		14
50	A Novel Organo-Selenium Bandage that Inhibits Biofilm Development in a Wound by Gram-Positive and Gram-Negative Wound Pathogens. Antibiotics, 2014, 3, 435-449.	3.7	13
51	Effects of powdered rifampin and vancomycin solutions on biofilm production of staphylococcus aureus on orthopedic implants. Journal of Clinical Orthopaedics and Trauma, 2020, 11, S113-S117.	1.5	12
52	Pseudomonas aeruginosa Alters Its Transcriptome Related to Carbon Metabolism and Virulence as a Possible Survival Strategy in Blood from Trauma Patients. MSystems, 2019, 4, .	3.8	11
53	During bacteremia, Pseudomonas aeruginosa PAO1 adapts by altering the expression of numerous virulence genes including those involved in quorum sensing. PLoS ONE, 2020, 15, e0240351.	2.5	11
54	Protamine sulfate reduces the susceptibility of thermally injured mice to Pseudomonas aeruginosa infection1. Journal of Surgical Research, 2005, 123, 109-117.	1.6	10

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55	Evaluation of polymerized organo-selenium feed spacers to inhibit S. aureus and E. coli biofilm development in reverse osmosis systems. Desalination, 2013, 331, 1-5.	8.2	10
56	Planktonic Growth ofPseudomonas aeruginosaaround a Dual-Species Biofilm Supports the Growth ofFusobacterium nucleatumwithin That Biofilm. International Journal of Otolaryngology, 2017, 2017, 1-12.	0.9	10
57	Cotton Cellulose-CdTe Quantum Dots Composite Films with Inhibition of Biofilm-Forming S. aureus. Fibers, 2019, 7, 57.	4.0	8
58	Beneficial effect of dietary geranylgeraniol on glucose homeostasis and bone microstructure in obese mice is associated with suppression of proinflammation and modification of gut microbiome. Nutrition Research, 2021, 93, 27-37.	2.9	8
59	Transcriptional analysis of thePseudomonas aeruginosa toxAregulatory geneptxR. Canadian Journal of Microbiology, 2006, 52, 343-356.	1.7	7
60	Isolation and characterization of HepP: a virulence-related Pseudomonas aeruginosa heparinase. BMC Microbiology, 2017, 17, 233.	3.3	7
61	Organo-Selenium-Containing Polyester Bandage Inhibits Bacterial Biofilm Growth on the Bandage and in the Wound. Biomedicines, 2020, 8, 62.	3.2	7
62	The antimicrobial agent, Next-Science, inhibits the development of Staphylococcus aureus and Pseudomonas aeruginosa biofilms on tympanostomy tubes. International Journal of Pediatric Otorhinolaryngology, 2015, 79, 1909-1914.	1.0	6
63	lsonitrile-functionalized tyrosine modulates swarming motility and quorum sensing in Pseudomonas aeruginosa. Microbial Pathogenesis, 2019, 127, 288-295.	2.9	6
64	Malonate utilization by <i>Pseudomonas aeruginosa</i> affects quorumâ€sensing and virulence and leads to formation of mineralized biofilmâ€like structures. Molecular Microbiology, 2021, 116, 516-537.	2.5	6
65	Organo-Selenium Coatings Inhibit Gram-Negative and Gram-Positive Bacterial Attachment to Ophthalmic Scleral Buckle Material. Translational Vision Science and Technology, 2017, 6, 1.	2.2	5
66	Lactobacilli spp.: real-time evaluation of biofilm growth. BMC Microbiology, 2020, 20, 64.	3.3	5
67	The influence of a biofilmâ€dispersing wound gel on the wound healing process. International Wound Journal, 2022, 19, 553-572.	2.9	5
68	Characterization of the Pseudomonas aeruginosametalloendopeptidase, Mep72, a member of the Vfr regulon. BMC Microbiology, 2013, 13, 269.	3.3	4
69	Recombinant R2-pyocin cream is effective in treating <i>Pseudomonas aeruginosa</i> -infected wounds. Canadian Journal of Microbiology, 2021, 67, 919-932.	1.7	4
70	Prospective observational case series evaluating middle ear fluid and tympanostomy tubes through pyrosequencing. International Journal of Pediatric Otorhinolaryngology, 2018, 114, 159-165.	1.0	3
71	Dietary Ginger Root Extract Supplementation Mitigated Diabetic Peripheral Neuropathy in Streptozotocin-Induced Diabetic Rats by Modulating Gut Microbiota. Current Developments in Nutrition, 2021, 5, 1179.	0.3	2
72	Ginger Root Extract Mitigates Neuropathic Pain via Suppressing Neuroinflammation: Gut-Brain Connection. Current Developments in Nutrition, 2022, 6, 808.	0.3	2

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73	Next-Science: A Novel Antimicrobial Agent that Inhibits Biofilm Development by Escherichia coli Clinical Isolates on Urinary Tract Catheters. , 2017, 06, .		1
74	Supplementation of Geranylgeraniol and Tocotrienols to High-Fat Diet Shifts the Gut Microbiome Composition and Function in Type 2 Diabetic Mice. Current Developments in Nutrition, 2020, 4, nzaa045_026.	0.3	1
75	Antibiotic resistance and the in vitro biofilm model. Burns, 2012, 38, 141-142.	1.9	Ο
76	Cryomilled zinc sulfide: A prophylactic for <i>Staphylococcus aureus</i> -infected wounds. Journal of Biomaterials Applications, 2018, 33, 82-93.	2.4	0
77	Two Isomers of Ginger Root Extracts Modify Composition and Function of Gut Microbiota in Rats Treated with Neuropathic Pain. Current Developments in Nutrition, 2020, 4, nzaa045_027.	0.3	Ο
78	Two Curcumin Extracts Modify Composition of Gut Microbiota, Tight Junction Protein, and Neuroinflammation in Rats With Neuropathic Pain: Microbiota-Gut-Brain Axis. Current Developments in Nutrition, 2022, 6, 809.	0.3	0