

# Abdul N Hamood

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1049985/publications.pdf>

Version: 2024-02-01

78  
papers

2,641  
citations

236912

25  
h-index

197805

49  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3056  
citing authors

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

#	ARTICLE	IF	CITATIONS
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 <i>Pseudomonas aeruginosa</i> global regulator MvaT specifically binds to the <i>ptxS</i> upstream region and enhances <i>ptxS</i> expression. Microbiology (United Kingdom), 2004, 150, 3797-3806.	1.8	27
28	Effect of static growth and different levels of environmental oxygen on <i>toxA</i> and <i>ptxR</i> expression in the <i>Pseudomonas aeruginosa</i> strain PAO1. Microbiology (United Kingdom), 2005, 151, 2263-2275.	1.8	26
29	Toxin A secretion in <i>Pseudomonas aeruginosa</i> : 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 <i>Pseudomonas aeruginosa</i> <i>ptxR</i> by <i>Vfr</i> . Microbiology (United Kingdom), 2008, 154, 431-439.	1.8	22
31	Role of <i>Vfr</i> in regulating exotoxin A production by <i>Pseudomonas aeruginosa</i> . Microbiology (United Kingdom), 2004, 150, 3797-3806.	1.8	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>Pseudomonas aeruginosa</i> quorum-sensing genes and QS-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 <i>Pseudomonas aeruginosa</i> . Microbiology (United Kingdom), 2012, 158, 353-367.	1.8	19
36	New markers for sepsis caused by <i>Pseudomonas aeruginosa</i> during burn infection. Metabolomics, 2020, 16, 40.	3.0	18

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

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

#	ARTICLE	IF	CITATIONS
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	0
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	0
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