## Rikke Louise Meyer

List of Publications by Year in descending order

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44444 46524 9,576 127 50 93 citations h-index g-index papers 132 132 132 14841 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Aptamer-Targeted Drug Delivery for Staphylococcus aureus Biofilm. Frontiers in Cellular and Infection Microbiology, 2022, 12, 814340.	1.8	15
2	Genome Sequence of Staphylococcus epidermidis AUH4567, a Clinical Isolate from an Infected Central Venous Catheter. Microbiology Resource Announcements, 2021, 10, .	0.3	2
3	Host factors abolish the need for polysaccharides and extracellular matrix-binding protein in Staphylococcus epidermidis biofilm formation. Journal of Medical Microbiology, 2021, 70, .	0.7	12
4	Human Fibrinogen Inhibits Amyloid Assembly of Most Phenol-Soluble Modulins from <i>Staphylococcus aureus </i> ACS Omega, 2021, 6, 21960-21970.	1.6	6
5	The Bacterial Life Cycle in Textiles is Governed by Fiber Hydrophobicity. Microbiology Spectrum, 2021, 9, e0118521.	1.2	12
6	Polycaprolactone-gelatin nanofibers incorporated with dual antibiotic-loaded carboxyl-modified silica nanoparticles. Journal of Materials Science, 2020, 55, 17134-17150.	1.7	14
7	Phenol-Soluble Modulins Modulate Persister Cell Formation in Staphylococcus aureus. Frontiers in Microbiology, 2020, 11, 573253.	1.5	11
8	Development of a Label-Free LSPR-Apta Sensor for <i>Staphylococcus aureus</i> Detection. ACS Applied Bio Materials, 2020, 3, 3066-3077.	2.3	42
9	Combination of Rhamnolipid and Chitosan in Nanoparticles Boosts Their Antimicrobial Efficacy. ACS Applied Materials & Diterfaces, 2020, 12, 5488-5499.	4.0	100
10	Evaluation of Surface-initiated Polymer brush as Anti-scaling Coating for Plate Heat Exchangers. Progress in Organic Coatings, 2019, 136, 105196.	1.9	12
11	Innate glycosidic activity in metallic implants for localized synthesis of antibacterial drugs. Chemical Communications, 2019, 55, 443-446.	2.2	7
12	Antifouling properties of layer by layer DNA coatings. Biofouling, 2019, 35, 75-88.	0.8	16
13	Distribution of extracellular DNA in Listeria monocytogenes biofilm. Czech Journal of Food Sciences, 2019, 37, 409-416.	0.6	3
14	Mesoporous silica nanoparticles carrying multiple antibiotics provide enhanced synergistic effect and improved biocompatibility. Colloids and Surfaces B: Biointerfaces, 2019, 175, 498-508.	2.5	83
15	Identification and Directed Development of Nonâ€Organic Catalysts with Apparent Panâ€Enzymatic Mimicry into Nanozymes for Efficient Prodrug Conversion. Angewandte Chemie - International Edition, 2019, 58, 278-282.	7.2	56
16	Identification and Directed Development of Nonâ€Organic Catalysts with Apparent Panâ€Enzymatic Mimicry into Nanozymes for Efficient Prodrug Conversion. Angewandte Chemie, 2019, 131, 284-288.	1.6	5
17	Evaluation of critical parameters for preparation of stable clove oil nanoemulsion. Arabian Journal of Chemistry, 2019, 12, 3225-3230.	2.3	80
18	Pan-genome analysis of the genus Finegoldia identifies two distinct clades, strain-specific heterogeneity, and putative virulence factors. Scientific Reports, 2018, 8, 266.	1.6	28

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19	Ag/Fe3O4 nanocomposites penetrate and eradicate S. aureus biofilm in an in vitro chronic wound model. Colloids and Surfaces B: Biointerfaces, 2018, 163, 192-200.	2.5	39
20	Loading of polymyxin B onto anionic mesoporous silica nanoparticles retains antibacterial activity and enhances biocompatibility. International Journal of Pharmaceutics, 2018, 537, 148-161.	2.6	66
21	A transposon mutant library of <i>Bacillus cereus</i> ATCC 10987 reveals novel genes required for biofilm formation and implicates motility as an important factor for pellicleâ€biofilm formation. MicrobiologyOpen, 2018, 7, e00552.	1.2	32
22	Antibacterial isoeugenol coating on stainless steel and polyethylene surfaces prevents biofilm growth. Journal of Applied Microbiology, 2018, 124, 179-187.	1.4	17
23	Prospective role of indigenous <i>Exiguobacterium profundum</i> PT2 in arsenic biotransformation and biosorption by planktonic cultures and biofilms. Journal of Applied Microbiology, 2018, 124, 431-443.	1.4	34
24	Preclinical evaluation of potential infectionâ€imaging probe [ <sup>68</sup> Ga] <scp>Gaâ€DOTAâ€Kâ€A9</scp> in sterile and infectious inflammation. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 780-795.	0.5	8
25	Protein Engineering Reveals Mechanisms of Functional Amyloid Formation in Pseudomonas aeruginosa Biofilms. Journal of Molecular Biology, 2018, 430, 3751-3763.	2.0	44
26	Ultra-dense polymer brush coating reduces Staphylococcus epidermidis biofilms on medical implants and improves antibiotic treatment outcome. Acta Biomaterialia, 2018, 76, 46-55.	4.1	29
27	Cell wall associated protein TasA provides an initial binding component to extracellular polysaccharides in dual-species biofilm. Scientific Reports, 2018, 8, 9350.	1.6	23
28	Quaternary Ammoniumyl Chitosan Derivatives for Eradication of <i>Staphylococcus aureus</i> Biofilms. Biomacromolecules, 2018, 19, 3649-3658.	2.6	39
29	Combatting implant-associated biofilms through localized drug synthesis. Journal of Controlled Release, 2018, 287, 94-102.	4.8	17
30	Novel prosthecate bacteria from the candidate phylum Acetothermia. ISME Journal, 2018, 12, 2225-2237.	4.4	75
31	Effect of DNase treatment on adhesion and early biofilm formation of Enterococcus faecalis. European Endodontic Journal, 2018, 3, 82-86.	0.4	8
32	Confocal microscopy imaging of the biofilm matrix. Journal of Microbiological Methods, 2017, 138, 50-59.	0.7	145
33	Inhibition of the ATP Synthase Eliminates the Intrinsic Resistance of <i>Staphylococcus aureus</i> towards Polymyxins. MBio, 2017, 8, .	1.8	65
34	Extracellular DNA Contributes to Dental Biofilm Stability. Caries Research, 2017, 51, 436-442.	0.9	27
35	Quantification of biofilm biomass by staining: Non-toxic safranin can replace the popular crystal violet. Journal of Microbiological Methods, 2017, 141, 87-89.	0.7	87
36	The Immunomodulatory Drug Glatiramer Acetate is Also an Effective Antimicrobial Agent that Kills Gram-negative Bacteria. Scientific Reports, 2017, 7, 15653.	1.6	25

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37	Osteopontin adsorption to Gram-positive cells reduces adhesion forces and attachment to surfaces under flow. Journal of Oral Microbiology, 2017, 9, 1379826.	1.2	11
38	Antimicrobial effect of emulsion-encapsulated isoeugenol against biofilms of food pathogens and spoilage bacteria. International Journal of Food Microbiology, 2017, 242, 7-12.	2.1	37
39	Critical review on biofilm methods. Critical Reviews in Microbiology, 2017, 43, 313-351.	2.7	693
40	Draft Genome Sequence of <i>Bacillus</i> sp. FMQ74, a Dairy-Contaminating Isolate from Raw Milk. Genome Announcements, 2017, 5, .	0.8	0
41	Hyperbaric Oxygen Therapy is Ineffective as an Adjuvant to Daptomycin with Rifampicin Treatment in a Murine Model of Staphylococcus aureus in Implant-Associated Osteomyelitis. Microorganisms, 2017, 5, 21.	1.6	12
42	Differences in Gene Expression Profiles between Early and Late Isolates in Monospecies Achromobacter Biofilm. Pathogens, 2017, 6, 20.	1,2	10
43	Achromobacter Species Isolated from Cystic Fibrosis Patients Reveal Distinctly Different Biofilm Morphotypes. Microorganisms, 2016, 4, 33.	1.6	35
44	Streptokinase Treatment Reverses Biofilm-Associated Antibiotic Resistance in Staphylococcus aureus. Microorganisms, 2016, 4, 36.	1.6	14
45	Effects of Tween 80 on Growth and Biofilm Formation in Laboratory Media. Frontiers in Microbiology, 2016, 7, 1878.	1.5	105
46	Big Bad Biofilms: How Communities of Bacteria Cause Long-Term Infections. Frontiers for Young Minds, 2016, 4, .	0.8	3
47	Epigallocatechin Gallate Remodels Overexpressed Functional Amyloids in Pseudomonas aeruginosa and Increases Biofilm Susceptibility to Antibiotic Treatment. Journal of Biological Chemistry, 2016, 291, 26540-26553.	1.6	75
48	Rifampicin-containing combinations are superior to combinations of vancomycin, linezolid and daptomycin against <i>Staphylococcus aureus</i> biofilm infection <i>in vivo</i> and <i>in vitro</i> Pathogens and Disease, 2016, 74, ftw019.	0.8	41
49	Hydrophilic Polymer Brush Layers on Stainless Steel Using Multilayered ATRP Initiator Layer. ACS Applied Materials & Samp; Interfaces, 2016, 8, 30616-30627.	4.0	18
50	Enhancing the antibacterial efficacy of isoeugenol by emulsion encapsulation. International Journal of Food Microbiology, 2016, 229, 7-14.	2.1	38
51	Calcium-phosphate-osteopontin particles for caries control. Biofouling, 2016, 32, 349-357.	0.8	8
52	Clove oil nanoemulsion as an effective antibacterial agent: Taguchi optimization method. Desalination and Water Treatment, 2016, 57, 18379-18390.	1.0	72
53	Isoeugenol has a non-disruptive detergent-like mechanism of action. Frontiers in Microbiology, 2015, 6, 754.	1.5	38
54	Functional bacterial amyloid increases Pseudomonas biofilm hydrophobicity and stiffness. Frontiers in Microbiology, 2015, 6, 1099.	1.5	133

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55	DNase-Sensitive and -Resistant Modes of Biofilm Formation by Listeria monocytogenes. Frontiers in Microbiology, 2015, 6, 1428.	1.5	38
56	Removing selected steroid hormones, biocides and pharmaceuticals from water by means of biogenic manganese oxide nanoparticles in situ at ppb levels. Chemosphere, 2015, 136, 321-326.	4.2	61
57	Non-proteinaceous bacterial adhesins challenge the antifouling properties of polymer brush coatings. Acta Biomaterialia, 2015, 24, 64-73.	4.1	37
58	Optimizing the surface density of polyethylene glycol chains by grafting from binary solvent mixtures. Applied Surface Science, 2015, 341, 134-141.	3.1	15
59	Binary combination of epsilon-poly-l-lysine and isoeugenol affect progression of spoilage microbiota in fresh turkey meat, and delay onset of spoilage in Pseudomonas putida challenged meat. International Journal of Food Microbiology, 2015, 215, 131-142.	2.1	22
60	Extracellular DNA as a target for biofilm control. Current Opinion in Biotechnology, 2015, 33, 73-80.	3.3	219
61	The role of extracellular DNA in the establishment, maintenance and perpetuation of bacterial biofilms. Critical Reviews in Microbiology, 2015, 41, 341-352.	2.7	378
62	A Modified Chronic Infection Model for Testing Treatment of Staphylococcus aureus Biofilms on Implants. PLoS ONE, 2014, 9, e103688.	1.1	30
63	The Antimicrobial Mechanism of Action of Epsilon-Poly- <scp>l</scp> -Lysine. Applied and Environmental Microbiology, 2014, 80, 7758-7770.	1.4	218
64	Electric coupling between distant nitrate reduction and sulfide oxidation in marine sediment. ISME Journal, 2014, 8, 1682-1690.	4.4	115
65	Evaluation of fluorescent stains for visualizing extracellular DNA in biofilms. Journal of Microbiological Methods, 2014, 105, 102-104.	0.7	77
66	Single-Cell Force Spectroscopy of Bacteria Enabled by Naturally Derived Proteins. Langmuir, 2014, 30, 4019-4025.	1.6	55
67	Surface adhesins and exopolymers of selected foodborne pathogens. Microbiology (United Kingdom), 2014, 160, 2561-2582.	0.7	23
68	Surface Physicochemistry and Ionic Strength Affects eDNA's Role in Bacterial Adhesion to Abiotic Surfaces. PLoS ONE, 2014, 9, e105033.	1.1	22
69	Comparative genomics reveals distinct host-interacting traits of three major human-associated propionibacteria. BMC Genomics, 2013, 14, 640.	1.2	43
70	Physicochemical characterization of fish protein adlayers with bacteria repelling properties. Colloids and Surfaces B: Biointerfaces, 2013, 102, 504-510.	2.5	10
71	Comparison of bacterial cells and amine-functionalized abiotic surfaces as support for Pd nanoparticle synthesis. Colloids and Surfaces B: Biointerfaces, 2013, 102, 898-904.	2.5	19
72	Extracellular DNA in adhesion and biofilm formation of four environmental isolates: a quantitative study. FEMS Microbiology Ecology, 2013, 86, 394-403.	1.3	86

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73	Antimicrobial Mechanism of Monocaprylate. Applied and Environmental Microbiology, 2012, 78, 2957-2965.	1.4	50
74	Quantification of Bacteria on Abiotic Surfaces by Laser Scanning Cytometry. Journal of the Association for Laboratory Automation, 2012, 17, 293-301.	2.8	5
75	Colonization of the Oral Cavity by Probiotic Bacteria. Caries Research, 2012, 46, 107-112.	0.9	31
76	Essential Oils in Food Preservation: Mode of Action, Synergies, and Interactions with Food Matrix Components. Frontiers in Microbiology, 2012, 3, 12.	1.5	1,370
77	Effect of Osteopontin on the Initial Adhesion of Dental Bacteria. Journal of Natural Products, 2012, 75, 2108-2112.	1.5	15
78	Filamentous bacteria transport electrons over centimetre distances. Nature, 2012, 491, 218-221.	13.7	475
79	Identification of glucose-fermenting bacteria in a full-scale enhanced biological phosphorus removal plant by stable isotope probing. Microbiology (United Kingdom), 2012, 158, 1818-1825.	0.7	53
80	Entrapment of Subtilisin in Ceramic Sol–Gel Coating for Antifouling Applications. ACS Applied Materials & Company: Interfaces, 2012, 4, 5915-5921.	4.0	36
81	Safe and Effective Ag Nanoparticles Immobilized Antimicrobial NanoNonwovens. Advanced Engineering Materials, 2012, 14, B240.	1.6	26
82	Nonâ€enzymatic palladium recovery on microbial and synthetic surfaces. Biotechnology and Bioengineering, 2012, 109, 1889-1897.	1.7	65
83	Microbially supported synthesis of catalytically active bimetallic Pdâ€Au nanoparticles. Biotechnology and Bioengineering, 2012, 109, 45-52.	1.7	52
84	Osteopontin Reduces Biofilm Formation in a Multi-Species Model of Dental Biofilm. PLoS ONE, 2012, 7, e41534.	1.1	23
85	Mixed poly (ethylene glycol) and oligo (ethylene glycol) layers on gold as nonfouling surfaces created by backfilling. Biointerphases, 2011, 6, 180-188.	0.6	25
86	Biofilm retention on surfaces with variable roughness and hydrophobicity. Biofouling, 2011, 27, 111-121.	0.8	52
87	pH Landscapes in a Novel Five-Species Model of Early Dental Biofilm. PLoS ONE, 2011, 6, e25299.	1.1	46
88	Dynamic microbial response of sulfidogenic wastewater biofilm to nitrate. Applied Microbiology and Biotechnology, 2011, 91, 1647-1657.	1.7	36
89	Size control and catalytic activity of bio-supported palladium nanoparticles. Colloids and Surfaces B: Biointerfaces, 2011, 85, 373-378.	2.5	51
90	Application of the isotope pairing technique in sediments where anammox and denitrification co-exist. Limnology and Oceanography: Methods, 2011, 1, 63-73.	1.0	72

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91	Environmentally Benign Recovery and Reactivation of Palladium from Industrial Waste by Using Gramâ€Negative Bacteria. ChemSusChem, 2010, 3, 1036-1039.	3.6	54
92	Formation of palladium(0) nanoparticles at microbial surfaces. Biotechnology and Bioengineering, 2010, 107, 206-215.	1.7	78
93	Immobilisation of living bacteria for AFM imaging under physiological conditions. Ultramicroscopy, 2010, 110, 1349-1357.	0.8	139
94	Curvature of Synthetic and Natural Surfaces Is an Important Target Feature in Classical Pathway Complement Activation. Journal of Immunology, 2010, 184, 1931-1945.	0.4	98
95	Biomimetic silica encapsulation of enzymes for replacement of biocides in antifouling coatings. Green Chemistry, 2010, 12, 387-394.	4.6	56
96	Thermo-Responsive Coreâ <sup>-</sup> 'Sheath Electrospun Nanofibers from Poly (N-isopropylacrylamide)/Polycaprolactone Blends. Chemistry of Materials, 2010, 22, 4214-4221.	3.2	116
97	Tunable 3D and 2D polystyrene nanoparticle assemblies using surface wettability, low volume fraction and surfactant effects. Nanotechnology, 2009, 20, 025604.	1.3	14
98	Adhesion of food-borne bacteria to stainless steel is reduced by food conditioning films. Journal of Applied Microbiology, 2009, 106, 1268-1279.	1.4	37
99	Impact of nitrate addition on biofilm properties and activities in rising main sewers. Water Research, 2009, 43, 4225-4237.	5.3	106
100	Enzymatic generation of hydrogen peroxide shows promising antifouling effect. Biofouling, 2009, 26, 141-153.	0.8	35
101	Bio-supported palladium nanoparticles as a catalyst for Suzuki–Miyaura and Mizoroki–Heck reactions. Green Chemistry, 2009, 11, 2041.	4.6	82
102	Preventing Protein Adsorption from a Range of Surfaces Using an Aqueous Fish Protein Extract. Biomacromolecules, 2009, 10, 2759-2766.	2.6	12
103	Variation in Biofilm Structure and Activity Along the Length of a Rising Main Sewer. Water Environment Research, 2009, 81, 800-808.	1.3	30
104	Nitrification and denitrification as sources of sediment nitrous oxide production: A microsensor approach. Marine Chemistry, 2008, 110, 68-76.	0.9	83
105	Antifouling enzymes and the biochemistry of marine settlement. Biotechnology Advances, 2008, 26, 471-481.	6.0	182
106	Nitrite effectively inhibits sulfide and methane production in a laboratory scale sewer reactor. Water Research, 2008, 42, 3961-3971.	5.3	68
107	Evaluation of oxygen injection as a means of controlling sulfide production in a sewer system. Water Research, 2008, 42, 4549-4561.	5.3	135
108	Water Distribution and Microstructure in Enhanced Pork. Journal of Agricultural and Food Chemistry, 2008, 56, 7201-7207.	2.4	64

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109	Ordering of Binary Polymeric Nanoparticles on Hydrophobic Surfaces Assembled from Low Volume Fraction Dispersions. Journal of the American Chemical Society, 2007, 129, 13390-13391.	6.6	36
110	Spatial and temporal variation of nitrous oxide and methane flux between subtropical mangrove sediments and the atmosphere. Soil Biology and Biochemistry, 2007, 39, 622-631.	4.2	180
111	Identifying causes for N2O accumulation in a lab-scale sequencing batch reactor performing simultaneous nitrification, denitrification and phosphorus removal. Journal of Biotechnology, 2006, 122, 62-72.	1.9	139
112	Bacterial adhesion to stainless steel is reduced by aqueous fish extract coatings. Biofilms, 2006, 3, 25-36.	0.6	21
113	Differential distribution of ammonia- and nitrite-oxidising bacteria in flocs and granules from a nitrifying/denitrifying sequencing batch reactor. Enzyme and Microbial Technology, 2006, 39, 1392-1398.	1.6	35
114	Putative glycogen-accumulating organisms belonging to the Alphaproteobacteria identified through rRNA-based stable isotope probing. Microbiology (United Kingdom), 2006, 152, 419-429.	0.7	156
115	Challenges for simultaneous nitrification, denitrification, and phosphorus removal in microbial aggregates: mass transfer limitation and nitrous oxide production. FEMS Microbiology Ecology, 2005, 52, 329-338.	1.3	108
116	Correlation between Anammox Activity and Microscale Distribution of Nitrite in a Subtropical Mangrove Sediment. Applied and Environmental Microbiology, 2005, 71, 6142-6149.	1.4	184
117	Denitrification and anaerobic ammonium oxidation in sediments: effects of microphytobenthos and NO3 Aquatic Microbial Ecology, 2005, 40, 67-76.	0.9	47
118	Integration of titrimetric measurement, off-gas analysis and NOxâ^' biosensors to investigate the complexity of denitrification processes. Water Science and Technology, 2004, 50, 135-141.	1.2	4
119	Anaerobic ammonium oxidation in an estuarine sediment. Aquatic Microbial Ecology, 2004, 36, 293-304.	0.9	232
120	Microscale structure and function of anaerobic–aerobic granules containing glycogen accumulating organisms. FEMS Microbiology Ecology, 2003, 45, 253-261.	1.3	39
121	Application of the isotope pairing technique in sediments where anammox and denitrification coexist. Limnology and Oceanography: Methods, 2003, 1, 63-73.	1.0	193
122	Community structure and activity of sulfate-reducing bacteria in an intertidal surface sediment: a multi-method approach. Aquatic Microbial Ecology, 2002, 29, 211-226.	0.9	111
123	Microscale Biosensor for Measurement of Volatile Fatty Acids in Anoxic Environments. Applied and Environmental Microbiology, 2002, 68, 1204-1210.	1.4	31
124	Nitrification and Denitrification near a Soil–Manure Interface Studied with a Nitrateâ€Nitrite Biosensor. Soil Science Society of America Journal, 2002, 66, 498-506.	1.2	26
125	Nitrification and Denitrification near a Soil–Manure Interface Studied with a Nitrate-Nitrite Biosensor. Soil Science Society of America Journal, 2002, 66, 498.	1.2	11
126	Use of NOx-microsensors to estimate the activity of sediment nitrification and NOx-consumption along an estuarine salinity, nitrate, and light gradient. Aquatic Microbial Ecology, 2001, 26, 181-193.	0.9	34

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127	The giant staphylococcal protein Embp facilitates colonization of surfaces through Velcro-like attachment to fibrillated fibronectin. ELife, 0, $11$ , .	2.8	2