

# Amy Schaefer

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

3,805  
citations

331670

21  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

3808  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quorum-sensing signals indicate that cystic fibrosis lungs are infected with bacterial biofilms. <i>Nature</i> , 2000, 407, 762-764.	27.8	1,372
2	A new class of homoserine lactone quorum-sensing signals. <i>Nature</i> , 2008, 454, 595-599.	27.8	366
3	Generation of cell-to-cell signals in quorum sensing: acyl homoserine lactone synthase activity of a purified <i>Vibrio fischeri</i> LuxI protein.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9505-9509.	7.1	360
4	Quorum sensing in <i>Vibrio fischeri</i> : probing autoinducer-LuxR interactions with autoinducer analogs. <i>Journal of Bacteriology</i> , 1996, 178, 2897-2901.	2.2	247
5	Quorum sensing and policing of <i>Pseudomonas aeruginosa</i> social cheaters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2187-2191.	7.1	209
6	Multiple genome sequences reveal adaptations of a phototrophic bacterium to sediment microenvironments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18543-18548.	7.1	131
7	Long-Chain Acyl-Homoserine Lactone Quorum-Sensing Regulation of <i>Rhodobacter capsulatus</i> Gene Transfer Agent Production. <i>Journal of Bacteriology</i> , 2002, 184, 6515-6521.	2.2	127
8	Aryl-homoserine lactone quorum sensing in stem-nodulating photosynthetic bradyrhizobia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7183-7188.	7.1	111
9	Isovaleryl-homoserine lactone, an unusual branched-chain quorum-sensing signal from the soybean symbiont <i>Bradyrhizobium japonicum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16765-16770.	7.1	104
10	Social cheating in a <i>Pseudomonas aeruginosa</i> quorum-sensing variant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7021-7026.	7.1	104
11	Detection, purification, and structural elucidation of the acylhomoserine lactone inducer of <i>Vibrio fischeri</i> luminescence and other related molecules. <i>Methods in Enzymology</i> , 2000, 305, 288-301.	1.0	103
12	Squid-Derived Chitin Oligosaccharides Are a Chemotactic Signal during Colonization by <i>Vibrio fischeri</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 4620-4626.	3.1	94
13	Analysis of random and site-directed mutations in <i>rhlI</i> , a <i>Pseudomonas aeruginosa</i> gene encoding an acylhomoserine lactone synthase. <i>Molecular Microbiology</i> , 1997, 26, 301-310.	2.5	91
14	Transcriptome Analysis of the <i>Vibrio fischeri</i> LuxR-LuxI Regulon. <i>Journal of Bacteriology</i> , 2007, 189, 8387-8391.	2.2	80
15	Anaerobic <i>p</i> -Coumarate Degradation by <i>Rhodopseudomonas palustris</i> and Identification of CouR, a MarR Repressor Protein That Binds <i>p</i> -Coumaroyl Coenzyme A. <i>Journal of Bacteriology</i> , 2012, 194, 1960-1967.	2.2	56
16	Role of Flagella in Virulence of the Coral Pathogen <i>Vibrio coralliilyticus</i> . <i>Applied and Environmental Microbiology</i> , 2009, 75, 5704-5707.	3.1	51
17	Activity of the <i>Rhodopseudomonas palustris</i> <i>p</i> -Coumaroyl-Homoserine Lactone-Responsive Transcription Factor RpaR. <i>Journal of Bacteriology</i> , 2011, 193, 2598-2607.	2.2	45
18	[4] Acylated homoserine lactone detection in <i>pseudomonas aeruginosa</i> Biofilms by radiolabel assay. <i>Methods in Enzymology</i> , 2001, 336, 41-47.	1.0	35

#	ARTICLE	IF	CITATIONS
19	An aryl-homoserine lactone quorum-sensing signal produced by a dimorphic prosthecate bacterium. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7587-7592.	7.1	35
20	A plant-responsive bacterial-signaling system senses an ethanolamine derivative. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9785-9790.	7.1	33
21	Microwave Synthesis and Evaluation of Phenacylhomoserine Lactones as Anticancer Compounds that Minimally Activate Quorum Sensing Pathways in <i>Pseudomonas aeruginosa</i> . Journal of Medicinal Chemistry, 2009, 52, 1569-1575.	6.4	31
22	Evolution of the Quorum Sensing Regulon in Cooperating Populations of <i>Pseudomonas aeruginosa</i> . MBio, 2022, 13, e0016122.	4.1	17
23	Structural basis for a bacterial Pip system plant effector recognition protein. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	3