

# Sang-Joon Ahn

## List of Publications by Year in descending order

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34  
papers

1,469  
citations

304602

22  
h-index

377752

34  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1093  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilevel Control of Competence Development and Stress Tolerance in <i>Streptococcus mutans</i> UA159. <i>Infection and Immunity</i> , 2006, 74, 1631-1642.	1.0	181
2	Effects of Oxygen on Biofilm Formation and the AtlA Autolysin of <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2007, 189, 6293-6302.	1.0	117
3	A Highly Arginolytic <i>Streptococcus</i> Species That Potently Antagonizes <i>Streptococcus mutans</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 2187-2201.	1.4	109
4	Role of HtrA in Growth and Competence of <i>Streptococcus mutans</i> UA159. <i>Journal of Bacteriology</i> , 2005, 187, 3028-3038.	1.0	98
5	Effects of Oxygen on Virulence Traits of <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2007, 189, 8519-8527.	1.0	93
6	The atlA Operon of <i>Streptococcus mutans</i> : Role in Autolysin Maturation and Cell Surface Biogenesis. <i>Journal of Bacteriology</i> , 2006, 188, 6877-6888.	1.0	75
7	RNA-Seq Reveals Enhanced Sugar Metabolism in <i>Streptococcus mutans</i> Co-cultured with <i>Candida albicans</i> within Mixed-Species Biofilms. <i>Frontiers in Microbiology</i> , 2017, 8, 1036.	1.5	71
8	The <i>Streptococcus mutans</i> Cid and Lrg systems modulate virulence traits in response to multiple environmental signals. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3136-3147.	0.7	69
9	A Transcriptional Regulator and ABC Transporters Link Stress Tolerance, (p)ppGpp, and Genetic Competence in <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2011, 193, 862-874.	1.0	68
10	Identification of the <i>Streptococcus mutans</i> LytST two-component regulon reveals its contribution to oxidative stress tolerance. <i>BMC Microbiology</i> , 2012, 12, 187.	1.3	50
11	Changes in Biochemical and Phenotypic Properties of <i>Streptococcus mutans</i> during Growth with Aeration. <i>Applied and Environmental Microbiology</i> , 2009, 75, 2517-2527.	1.4	48
12	Sharply Tuned pH Response of Genetic Competence Regulation in <i>Streptococcus mutans</i> : a Microfluidic Study of the Environmental Sensitivity of <i>comX</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5622-5631.	1.4	46
13	Effects of Carbohydrate Source on Genetic Competence in <i>Streptococcus mutans</i> . <i>Applied and Environmental Microbiology</i> , 2016, 82, 4821-4834.	1.4	38
14	Discovery of Novel Peptides Regulating Competence Development in <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2014, 196, 3735-3745.	1.0	35
15	Bidirectional signaling in the competence regulatory pathway of <i>Streptococcus mutans</i> . <i>FEMS Microbiology Letters</i> , 2015, 362, fmv159.	0.7	35
16	Understanding the <i>Streptococcus mutans</i> Cid/Lrg System through CidB Function. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6189-6203.	1.4	35
17	A unique open reading frame within the <i>comX</i> gene of <i>Streptococcus mutans</i> regulates genetic competence and oxidative stress tolerance. <i>Molecular Microbiology</i> , 2015, 96, 463-482.	1.2	33
18	An Essential Role for (p)ppGpp in the Integration of Stress Tolerance, Peptide Signaling, and Competence Development in <i>Streptococcus mutans</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1162.	1.5	33

#	ARTICLE	IF	CITATIONS
19	Characterization of LrgAB as a stationary phase-specific pyruvate uptake system in <i>Streptococcus mutans</i> . <i>BMC Microbiology</i> , 2019, 19, 223.	1.3	30
20	Genetics and Physiology of Acetate Metabolism by the Pta-Ack Pathway of <i>Streptococcus mutans</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5015-5025.	1.4	29
21	Transcriptional Organization and Physiological Contributions of the relQ Operon of <i>Streptococcus mutans</i> . <i>Journal of Bacteriology</i> , 2012, 194, 1968-1978.	1.0	24
22	Modification of the <i>Streptococcus mutans</i> transcriptome by LrgAB and environmental stressors. <i>Microbial Genomics</i> , 2017, 3, e000104.	1.0	24
23	Remodeling of the <i>Streptococcus mutans</i> proteome in response to LrgAB and external stresses. <i>Scientific Reports</i> , 2017, 7, 14063.	1.6	23
24	Regulation of cid and lrg expression by CcpA in <i>Streptococcus mutans</i> . <i>Microbiology (United Kingdom)</i> , 2017, 157, 542-554.	0.7	20
25	Regulation of competence and gene expression in <i>Streptococcus mutans</i> by the RcrR transcriptional regulator. <i>Molecular Oral Microbiology</i> , 2015, 30, 147-159.	1.3	16
26	Pluronic-Formulated Farnesol Promotes Efficient Killing and Demonstrates Novel Interactions with <i>Streptococcus mutans</i> Biofilms. <i>PLoS ONE</i> , 2015, 10, e0133886.	1.1	15
27	Environmental Triggers of lrgA Expression in <i>Streptococcus mutans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 18.	1.5	11
28	Regulation of cid and lrg expression by CodY in <i>Streptococcus mutans</i> . <i>MicrobiologyOpen</i> , 2020, 9, e1040.	1.2	9
29	Acetate and Potassium Modulate the Stationary-Phase Activation of lrgAB in <i>Streptococcus mutans</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 401.	1.5	7
30	Understanding LrgAB Regulation of <i>Streptococcus mutans</i> Metabolism. <i>Frontiers in Microbiology</i> , 2020, 11, 2119.	1.5	7
31	Genomic instability of TnSMU2 contributes to <i>Streptococcus mutans</i> biofilm development and competence in a cidB mutant. <i>MicrobiologyOpen</i> , 2019, 8, e934.	1.2	6
32	The Pta-AckA Pathway Regulates LrgAB-Mediated Pyruvate Uptake in <i>Streptococcus mutans</i> . <i>Microorganisms</i> , 2020, 8, 846.	1.6	3
33	Characterization of the <i>Streptococcus mutans</i> SMU.1703c-SMU.1702c Operon Reveals Its Role in Riboflavin Import and Response to Acid Stress. <i>Journal of Bacteriology</i> , 2020, 203, .	1.0	2
34	Peptides encoded in the <i>Streptococcus mutans</i> RcrRPQ operon are essential for thermotolerance. <i>Microbiology (United Kingdom)</i> , 2020, 166, 306-317.	0.7	2