

# Matthew J Sullivan

## List of Publications by Year in descending order

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43  
papers

1,522  
citations

394286

19  
h-index

330025

37  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1737  
citing authors

#	ARTICLE	IF	CITATIONS
1	Streptococcus agalactiae Infects Glial Cells and Invades the Central Nervous System via the Olfactory and Trigeminal Nerves. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 793416.	1.8	4
2	The Copper Resistome of Group B Streptococcus Reveals Insight into the Genetic Basis of Cellular Survival during Metal Ion Stress. <i>Journal of Bacteriology</i> , 2022, 204, e0006822.	1.0	3
3	Conserved bacterial de novo guanine biosynthesis pathway enables microbial survival and colonization in the environmental niche of the urinary tract. <i>ISME Journal</i> , 2021, 15, 2158-2162.	4.4	7
4	Cellular Management of Zinc in Group B Streptococcus Supports Bacterial Resistance against Metal Intoxication and Promotes Disseminated Infection. <i>MSphere</i> , 2021, 6, .	1.3	18
5	Hemolytic activity and biofilm-formation among clinical isolates of group B streptococcus causing acute urinary tract infection and asymptomatic bacteriuria. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151520.	1.5	2
6	NAD <sup>+</sup> pool depletion as a signal for the Rex regulon involved in Streptococcus agalactiae virulence. <i>PLoS Pathogens</i> , 2021, 17, e1009791.	2.1	6
7	Copper Intoxication in Group B Streptococcus Triggers Transcriptional Activation of the <i>copA</i> Operon That Contributes to Enhanced Virulence during Acute Infection. <i>Journal of Bacteriology</i> , 2021, 203, e0031521.	1.0	12
8	Streptococcus agalactiae glyceraldehyde-3-phosphate dehydrogenase (GAPDH) elicits multiple cytokines from human cells and has a minor effect on bacterial persistence in the murine female reproductive tract. <i>Virulence</i> , 2021, 12, 3015-3027.	1.8	3
9	Maggot Menageries: High School Student Contributions to Medicinal Maggot Production in Compromised Healthcare Settings. <i>Citizen Science: Theory and Practice</i> , 2021, 6, .	0.6	1
10	Evaluation of hematogenous spread and ascending infection in the pathogenesis of acute pyelonephritis due to group B streptococcus in mice. <i>Microbial Pathogenesis</i> , 2020, 138, 103796.	1.3	17
11	Innate immune response to bacterial urinary tract infection sensitises high-threshold bladder afferents and recruits silent nociceptors. <i>Pain</i> , 2020, 161, 202-210.	2.0	19
12	Restriction of chronic <i>Escherichia coli</i> urinary tract infection depends upon T cell-derived interleukin-17, a deficiency of which predisposes to flagella-driven bacterial persistence. <i>FASEB Journal</i> , 2020, 34, 14572-14587.	0.2	14
13	Physical Extraction and Fast Protein Liquid Chromatography for Purifying Flagella Filament From Uropathogenic <i>Escherichia coli</i> for Immune Assay. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 118.	1.8	6
14	Unique structural features of a bacterial autotransporter adhesin suggest mechanisms for interaction with host macromolecules. <i>Nature Communications</i> , 2019, 10, 1967.	5.8	22
15	A dual functional redox enzyme maturation protein for respiratory and assimilatory nitrate reductases in bacteria. <i>Molecular Microbiology</i> , 2019, 111, 1592-1603.	1.2	19
16	Variation in hemolysin A expression between uropathogenic <i>Escherichia coli</i> isolates determines NLRP3-dependent vs. -independent macrophage cell death and host colonization. <i>FASEB Journal</i> , 2019, 33, 7437-7450.	0.2	16
17	Rapid Bladder Interleukin-10 Synthesis in Response to Uropathogenic <i>Escherichia coli</i> Is Part of a Defense Strategy Triggered by the Major Bacterial Flagellar Filament FliC and Contingent on TLR5. <i>MSphere</i> , 2019, 4, .	1.3	20
18	Bacterial pathogenesis and interleukin-17: interconnecting mechanisms of immune regulation, host genetics, and microbial virulence that influence severity of infection. <i>Critical Reviews in Microbiology</i> , 2018, 44, 465-486.	2.7	24

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19	Type 2 NADH Dehydrogenase Is the Only Point of Entry for Electrons into the Streptococcus agalactiae Respiratory Chain and Is a Potential Drug Target. MBio, 2018, 9, .	1.8	24
20	Stable Expression of Modified Green Fluorescent Protein in Group B Streptococci To Enable Visualization in Experimental Systems. Applied and Environmental Microbiology, 2018, 84, .	1.4	15
21	Quantification of bacteriuria caused by Hemolysin-positive Escherichia coli in human and mouse urine using quantitative polymerase chain reaction (qPCR) targeting hlyD. Journal of Microbiological Methods, 2018, 152, 173-178.	0.7	3
22	The <i>Streptococcus agalactiae</i> virulence regulator CovR affects the pathogenesis of urinary tract infection. Journal of Infectious Diseases, 2017, 215, jiw589.	1.9	24
23	The metabolic impact of extracellular nitrite on aerobic metabolism of Paracoccus denitrificans. Water Research, 2017, 113, 207-214.	5.3	45
24	Transcriptional and translational adaptation to aerobic nitrate anabolism in the denitrifier <i>Paracoccus denitrificans</i> . Biochemical Journal, 2017, 474, 1769-1787.	1.7	24
25	Complete Genome Sequence of Serotype III Streptococcus agalactiae Sequence Type 17 Strain 874391. Genome Announcements, 2017, 5, .	0.8	12
26	Tuning the modular <i>Paracoccus denitrificans</i> respirome to adapt from aerobic respiration to anaerobic denitrification. Environmental Microbiology, 2017, 19, 4953-4964.	1.8	47
27	Urinary tract infection of mice to model human disease: Practicalities, implications and limitations. Critical Reviews in Microbiology, 2016, 42, 1-20.	2.7	43
28	Protein-based profiling of the immune response to uropathogenic <i>Escherichia coli</i> in adult patients immediately following hospital admission for acute cystitis. Pathogens and Disease, 2016, 74, ftw062.	0.8	33
29	Molecular and Structural Characterization of a Novel Escherichia coli Interleukin Receptor Mimic Protein. MBio, 2016, 7, e02046.	1.8	17
30	Burkholderia pseudomallei Capsule Exacerbates Respiratory Melioidosis but Does Not Afford Protection against Antimicrobial Signaling or Bacterial Killing in Human Olfactory Ensheathing Cells. Infection and Immunity, 2016, 84, 1941-1956.	1.0	20
31	Pathogenesis of Streptococcus urinary tract infection depends on bacterial strain and $\beta$ -hemolysin/cytolysin that mediates cytotoxicity, cytokine synthesis, inflammation and virulence. Scientific Reports, 2016, 6, 29000.	1.6	59
32	Discovery and Characterization of Human-Urine Utilization by Asymptomatic-Bacteriuria-Causing Streptococcus agalactiae. Infection and Immunity, 2016, 84, 307-319.	1.0	24
33	Uropathogenic <i>Escherichia coli</i> Engages CD14-Dependent Signaling to Enable Bladder-Macrophage-Dependent Control of Acute Urinary Tract Infection. Journal of Infectious Diseases, 2016, 213, 659-668.	1.9	39
34	Increased Age, but Not Parity Predisposes to Higher Bacteriuria Burdens Due to Streptococcus Urinary Tract Infection and Influences Bladder Cytokine Responses, Which Develop Independent of Tissue Bacterial Loads. PLoS ONE, 2016, 11, e0167732.	1.1	6
35	Copper control of bacterial nitrous oxide emission and its impact on vitamin B <sub>12</sub> -dependent metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19926-19931.	3.3	120
36	The impact of copper, nitrate and carbon status on the emission of nitrous oxide by two species of bacteria with biochemically distinct denitrification pathways. Environmental Microbiology, 2012, 14, 1788-1800.	1.8	110

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37	The <i>Ruegeria pomeroyi</i> acul Gene Has a Role in DMSP Catabolism and Resembles yhdH of <i>E. coli</i> and Other Bacteria in Conferring Resistance to Acrylate. <i>PLoS ONE</i> , 2012, 7, e35947.	1.1	43
38	Catabolism of dimethylsulphoniopropionate: microorganisms, enzymes and genes. <i>Nature Reviews Microbiology</i> , 2011, 9, 849-859.	13.6	314
39	DddQ, a novel, cupin-containing, dimethylsulfonylpropionate lyase in marine roseobacters and in uncultured marine bacteria. <i>Environmental Microbiology</i> , 2011, 13, 427-438.	1.8	111
40	DddY, a periplasmic dimethylsulfonylpropionate lyase found in taxonomically diverse species of Proteobacteria. <i>ISME Journal</i> , 2011, 5, 1191-1200.	4.4	78
41	Unusual Regulation of a Leaderless Operon Involved in the Catabolism of Dimethylsulfonylpropionate in <i>Rhodobacter sphaeroides</i> . <i>PLoS ONE</i> , 2011, 6, e15972.	1.1	33
42	Novel Inducers of the Envelope Stress Response BaeSR in <i>Salmonella Typhimurium</i> : BaeR Is Critically Required for Tungstate Waste Disposal. <i>PLoS ONE</i> , 2011, 6, e23713.	1.1	24
43	Identification of genes for dimethyl sulfide production in bacteria in the gut of Atlantic Herring ( <i>Clupea harengus</i> ). <i>ISME Journal</i> , 2010, 4, 144-146.	4.4	38