Michael J Gray

List of Publications by Year
in descending order

33 papers	2,270 citations	304743 22 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	2711 citing authors

#	Article	IF	Citations
1	Polyphosphate Is a Primordial Chaperone. Molecular Cell, 2014, 53, 689-699.	9.7	291
2	Listeria monocytogenes Isolates from Foods and Humans Form Distinct but Overlapping Populations. Applied and Environmental Microbiology, 2004, 70, 5833-5841.	3.1	229
3	Bacterial Responses to Reactive Chlorine Species. Annual Review of Microbiology, 2013, 67, 141-160.	7.3	226
4	How the Bacterial Pathogen Listeria monocytogenes Mediates the Switch from Environmental Dr. Jekyll to Pathogenic Mr. Hyde. Infection and Immunity, 2006, 74, 2505-2512.	2.2	174
5	Oxidative stress protection by polyphosphateâ€"new roles for an old player. Current Opinion in Microbiology, 2015, 24, 1-6.	5.1	146
6	Protein Quality Control under Oxidative Stress Conditions. Journal of Molecular Biology, 2015, 427, 1549-1563.	4.2	146
7	The anti-inflammatory drug mesalamine targets bacterial polyphosphate accumulation. Nature Microbiology, 2017, 2, 16267.	13.3	94
8	NemR Is a Bleach-sensing Transcription Factor. Journal of Biological Chemistry, 2013, 288, 13789-13798.	3.4	92
9	Preventing dysbiosis of the neonatal mouse intestinal microbiome protects against late-onset sepsis. Nature Medicine, 2019, 25, 1772-1782.	30.7	91
10	Attributing Risk to Listeria monocytogenes Subgroups: Dose Response in Relation to Genetic Lineages. Journal of Food Protection, 2006, 69, 335-344.	1.7	72
11	The RclR Protein Is a Reactive Chlorine-specific Transcription Factor in Escherichia coli. Journal of Biological Chemistry, 2013, 288, 32574-32584.	3.4	71
12	Do nucleic acids moonlight as molecular chaperones?. Nucleic Acids Research, 2016, 44, 4835-4845.	14.5	58
13	Single-enzyme conversion of FMNH2 to 5,6-dimethylbenzimidazole, the lower ligand of B12. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2921-2926.	7.1	56
14	The cobinamide amidohydrolase (cobyric acidâ€forming) CbiZ enzyme: a critical activity of the cobamide remodelling system of <i>Rhodobacter sphaeroides</i>. Molecular Microbiology, 2009, 74, 1198-1210.	2.5	52
15	Does the Transcription Factor NemR Use a Regulatory Sulfenamide Bond to Sense Bleach?. Antioxidants and Redox Signaling, 2015, 23, 747-754.	5.4	45
16	Polyphosphate Stabilizes Protein Unfolding Intermediates as Soluble Amyloid-like Oligomers. Journal of Molecular Biology, 2018, 430, 4195-4208.	4.2	45
17	Inorganic Polyphosphate Accumulation in Escherichia coli Is Regulated by DksA but Not by (p)ppGpp. Journal of Bacteriology, 2019, 201, .	2.2	41
18	Mutations in Escherichia coli Polyphosphate Kinase That Lead to Dramatically Increased <i>In Vivo</i> Polyphosphate Levels. Journal of Bacteriology, 2018, 200, .	2.2	37

#	Article	IF	Citations
19	A new pathway for the synthesis of Î±â€ribazoleâ€phosphate in <i>Listeria innocua</i>. Molecular Microbiology, 2010, 77, 1429-1438.	2.5	34
20	Autophosphorylation and Dephosphorylation by Soluble Forms of the Nitrate-Responsive Sensors NarX and NarQ from <i>Escherichia coli</i> K-12. Journal of Bacteriology, 2008, 190, 3869-3876.	2.2	33
21	Inorganic polyphosphate in host and microbe biology. Trends in Microbiology, 2021, 29, 1013-1023.	7.7	33
22	The genome of <i>Rhodobacter sphaeroides</i> strain 2.4.1 encodes functional cobinamide salvaging systems of archaeal and bacterial origins. Molecular Microbiology, 2008, 70, 824-836.	2.5	27
23	In Vivo Analysis of Cobinamide Salvaging in<i>Rhodobacter sphaeroides</i>Strain 2.4.1. Journal of Bacteriology, 2009, 191, 3842-3851.	2.2	26
24	Characterization of Chocolate Milk Spoilage Patterns. Journal of Food Protection, 2000, 63, 516-521.	1.7	24
25	Interactions between DksA and Stress-Responsive Alternative Sigma Factors Control Inorganic Polyphosphate Accumulation in Escherichia coli. Journal of Bacteriology, 2020, 202, .	2.2	21
26	The Cu(II) Reductase RclA Protects <i>Escherichia coli</i> against the Combination of Hypochlorous Acid and Intracellular Copper. MBio, 2020, 11, .	4.1	17
27	Detection of ViableMycobacterium aviumSubsp.ParatuberculosisUsing Luciferase Reporter Systems. Foodborne Pathogens and Disease, 2004, 1, 258-266.	1.8	16
28	Assaying for Inorganic Polyphosphate in Bacteria. Journal of Visualized Experiments, 2019, , .	0.3	15
29	Complex Responses to Hydrogen Peroxide and Hypochlorous Acid by the Probiotic Bacterium Lactobacillus reuteri. MSystems, 2019, 4, .	3.8	14
30	Induction of the reactive chlorine-responsive transcription factor RclR in <i>Escherichia coli</i> following ingestion by neutrophils. Pathogens and Disease, 2021, 79, .	2.0	13
31	About the dangers, costs and benefits of living an aerobic lifestyle. Biochemical Society Transactions, 2014, 42, 917-921.	3.4	12
32	Phosphate Transporter PstSCAB of Campylobacter jejuni Is a Critical Determinant of Lactate-Dependent Growth and Colonization in Chickens. Journal of Bacteriology, 2020, 202, .	2.2	5
33	The role of nitrogen-responsive regulators in controlling inorganic polyphosphate synthesis in Escherichia coli. Microbiology (United Kingdom), 2022, 168, .	1.8	5