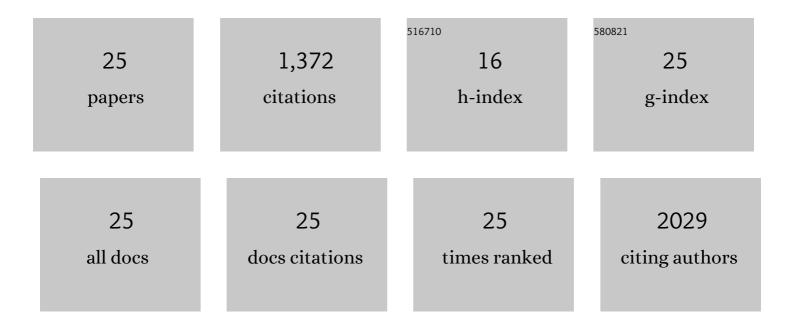
Joanne K Hobbs

List of Publications by Year in descending order

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IOANNE K HORRS

#	Article	IF	CITATIONS
1	On the Temperature Dependence of Enzyme-Catalyzed Rates. Biochemistry, 2016, 55, 1681-1688.	2.5	233
2	Change in Heat Capacity for Enzyme Catalysis Determines Temperature Dependence of Enzyme Catalyzed Rates. ACS Chemical Biology, 2013, 8, 2388-2393.	3.4	164
3	Thermodynamic theory explains the temperature optima of soil microbial processes and high <i>Q</i> ₁₀ values at low temperatures. Global Change Biology, 2014, 20, 3578-3586.	9.5	163
4	Consequences of daptomycin-mediated membrane damage in Staphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2008, 62, 1003-1008.	3.0	115
5	On the Origin and Evolution of Thermophily: Reconstruction of Functional Precambrian Enzymes from Ancestors of Bacillus. Molecular Biology and Evolution, 2012, 29, 825-835.	8.9	83
6	KdgF, the missing link in the microbial metabolism of uronate sugars from pectin and alginate. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6188-6193.	7.1	80
7	XF-73, a novel antistaphylococcal membrane-active agent with rapid bactericidal activity. Journal of Antimicrobial Chemotherapy, 2009, 64, 735-740.	3.0	78
8	(p)ppGpp and the Stringent Response: An Emerging Threat to Antibiotic Therapy. ACS Infectious Diseases, 2019, 5, 1505-1517.	3.8	78
9	Molecular Characterization of N-glycan Degradation and Transport in Streptococcus pneumoniae and Its Contribution to Virulence. PLoS Pathogens, 2017, 13, e1006090.	4.7	57
10	Insights into the κ/Î1-carrageenan metabolism pathway of some marine Pseudoalteromonas species. Communications Biology, 2019, 2, 474.	4.4	54
11	Toward More Accurate Ancestral Protein Genotype–Phenotype Reconstructions with the Use of Species Tree-Aware Gene Trees. Molecular Biology and Evolution, 2015, 32, 13-22.	8.9	43
12	Glycanâ€metabolizing enzymes in microbe–host interactions: the <i>Streptococcus pneumoniae</i> paradigm. FEBS Letters, 2018, 592, 3865-3897.	2.8	38
13	Evaluation of linezolid for the treatment of Clostridium difficile infection caused by epidemic strains using an in vitro human gut model. Journal of Antimicrobial Chemotherapy, 2011, 66, 1537-1546.	3.0	28
14	Biochemical Reconstruction of a Metabolic Pathway from a Marine Bacterium Reveals Its Mechanism of Pectin Depolymerization. Applied and Environmental Microbiology, 2019, 85, .	3.1	23
15	Metabolism of a hybrid algal galactan by members of the human gut microbiome. Nature Chemical Biology, 2022, 18, 501-510.	8.0	21
16	A Second β-Hexosaminidase Encoded in the Streptococcus pneumoniae Genome Provides an Expanded Biochemical Ability to Degrade Host Glycans. Journal of Biological Chemistry, 2015, 290, 30888-30900.	3.4	20
17	Reconstructed Ancestral Enzymes Impose a Fitness Cost upon Modern Bacteria Despite Exhibiting Favourable Biochemical Properties. Journal of Molecular Evolution, 2015, 81, 110-120.	1.8	16
18	Two complementary α-fucosidases from Streptococcus pneumoniae promote complete degradation of host-derived carbohydrate antigens. Journal of Biological Chemistry, 2019, 294, 12670-12682.	3.4	16

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#	Article	IF	CITATIONS
19	Clinical Mutations That Partially Activate the Stringent Response Confer Multidrug Tolerance in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	16
20	Antistaphylococcal activity of the novel cephalosporin CB-181963 (CAB-175). Journal of Antimicrobial Chemotherapy, 2005, 55, 579-582.	3.0	12
21	Functional Analyses of Resurrected and Contemporary Enzymes Illuminate an Evolutionary Path for the Emergence of Exolysis in Polysaccharide Lyase Family 2. Journal of Biological Chemistry, 2015, 290, 21231-21243.	3.4	12
22	Evolution of extended-spectrum Â-lactamases in a MutS-deficient Pseudomonas aeruginosa hypermutator. Journal of Antimicrobial Chemotherapy, 2006, 58, 905-907.	3.0	7
23	Separation and Visualization of Glycans by Fluorophore-Assisted Carbohydrate Electrophoresis. Methods in Molecular Biology, 2017, 1588, 215-221.	0.9	7
24	Molecular analysis of an enigmatic Streptococcus pneumoniae virulence factor: The raffinose-family oligosaccharide utilization system. Journal of Biological Chemistry, 2019, 294, 17197-17208.	3.4	6
25	A surrogate structural platform informed by ancestral reconstruction and resurrection of a putative carbohydrate binding module hybrid illuminates the neofunctionalization of a pectate lyase. Journal of Structural Biology, 2019, 207, 279-286.	2.8	2