Craig S Robb

List of Publications by Year
in descending order

17 papers	518 citations	840776 11 h-index	888059 17 g-index
17 all docs	17 docs citations	17 times ranked	763 citing authors

#	Article	IF	Citations
1	Metabolism of a hybrid algal galactan by members of the human gut microbiome. Nature Chemical Biology, 2022, 18, 501-510.	8.0	21
2	Structure of the Peptidoglycan Synthase Activator LpoP in Pseudomonas aeruginosa. Structure, 2020, 28, 643-650.e5.	3.3	9
3	The structure of PfGH50B, an agarase from the marine bacterium Pseudoalteromonas fuliginea PS47. Acta Crystallographica Section F, Structural Biology Communications, 2020, 76, 422-427.	0.8	1
4	A marine bacterial enzymatic cascade degrades the algal polysaccharide ulvan. Nature Chemical Biology, 2019, 15, 803-812.	8.0	97
5	The Molecular Basis of Polysaccharide Sulfatase Activity and a Nomenclature for Catalytic Subsites in this Class of Enzyme. Structure, 2018, 26, 747-758.e4.	3.3	30
6	Specificity and mechanism of carbohydrate demethylation by cytochrome P450 monooxygenases. Biochemical Journal, 2018, 475, 3875-3886.	3.7	11
7	Alphaâ€•and betaâ€•mannan utilization by marine Bacteroidetes. Environmental Microbiology, 2018, 20, 4127-4140.	3.8	31
8	Molecular recognition of the betaâ€•glucans laminarin and pustulan by a SusDâ€•like glycanâ€•binding protein of a marine Bacteroidetes. FEBS Journal, 2018, 285, 4465-4481.	4.7	13
9	Adaptive mechanisms that provide competitive advantages to marine bacteroidetes during microalgal blooms. ISME Journal, 2018, 12, 2894-2906.	9.8	84
10	Crystal structure of a marine glycoside hydrolase family 99â€•related protein lacking catalytic machinery. Protein Science, 2017, 26, 2445-2450.	7.6	1
11	The Structure of the Toxin and Type Six Secretion System Substrate Tse2 in Complex with Its Immunity Protein. Structure, 2016, 24, 277-284.	3.3	25
12	A Second Î²-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
13	Structure of the T6SS lipoprotein TssJ1 fromPseudomonas aeruginosa. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 607-610.	0.7	12
14	The Structure of the Conserved Type Six Secretion Protein TssL (DotU) from Francisella novicida. Journal of Molecular Biology, 2012, 419, 277-283.	4.2	24
15	Inhibition of the Pneumococcal Virulence Factor StrH and Molecular Insights into N-Glycan Recognition and Hydrolysis. Structure, 2011, 19, 1603-1614.	3.3	38
16	The biochemical properties of the Francisella pathogenicity island (FPI)-encoded proteins IglA, IglB, IglC, PdpB and DotU suggest roles in type VI secretion. Microbiology (United Kingdom), 2011, 157, 3483-3491.	1.8	93
17	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of intracellular growth locus E (IglE) protein fromFrancisella tularensissubsp.novicida. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1596-1598.	0.7	8