

# Craig S Robb

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

518  
citations

840776

11  
h-index

888059

17  
g-index

17  
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17  
docs citations

17  
times ranked

763  
citing authors

#	ARTICLE	IF	CITATIONS
1	A marine bacterial enzymatic cascade degrades the algal polysaccharide ulvan. <i>Nature Chemical Biology</i> , 2019, 15, 803-812.	8.0	97
2	The biochemical properties of the <i>Francisella</i> pathogenicity island (FPI)-encoded proteins IglA, IglB, IglC, PdpB and DotU suggest roles in type VI secretion. <i>Microbiology (United Kingdom)</i> , 2011, 157, 3483-3491.	1.8	93
3	Adaptive mechanisms that provide competitive advantages to marine bacteroidetes during microalgal blooms. <i>ISME Journal</i> , 2018, 12, 2894-2906.	9.8	84
4	Inhibition of the Pneumococcal Virulence Factor StrH and Molecular Insights into N-Glycan Recognition and Hydrolysis. <i>Structure</i> , 2011, 19, 1603-1614.	3.3	38
5	Alpha- and beta-mannan utilization by marine <i>Bacteroidetes</i> . <i>Environmental Microbiology</i> , 2018, 20, 4127-4140.	3.8	31
6	The Molecular Basis of Polysaccharide Sulfatase Activity and a Nomenclature for Catalytic Subsites in this Class of Enzyme. <i>Structure</i> , 2018, 26, 747-758.e4.	3.3	30
7	The Structure of the Toxin and Type Six Secretion System Substrate Tse2 in Complex with Its Immunity Protein. <i>Structure</i> , 2016, 24, 277-284.	3.3	25
8	The Structure of the Conserved Type Six Secretion Protein TssL (DotU) from <i>Francisella novicida</i> . <i>Journal of Molecular Biology</i> , 2012, 419, 277-283.	4.2	24
9	Metabolism of a hybrid algal galactan by members of the human gut microbiome. <i>Nature Chemical Biology</i> , 2022, 18, 501-510.	8.0	21
10	A Second $\beta$ -Hexosaminidase Encoded in the <i>Streptococcus pneumoniae</i> Genome Provides an Expanded Biochemical Ability to Degrade Host Glycans. <i>Journal of Biological Chemistry</i> , 2015, 290, 30888-30900.	3.4	20
11	Molecular recognition of the beta-glucans laminarin and pustulan by a SusD-like glycan-binding protein of a marine <i>Bacteroidetes</i> . <i>FEBS Journal</i> , 2018, 285, 4465-4481.	4.7	13
12	Structure of the T6SS lipoprotein TssJ1 from <i>Pseudomonas aeruginosa</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 607-610.	0.7	12
13	Specificity and mechanism of carbohydrate demethylation by cytochrome P450 monooxygenases. <i>Biochemical Journal</i> , 2018, 475, 3875-3886.	3.7	11
14	Structure of the Peptidoglycan Synthase Activator LpoP in <i>Pseudomonas aeruginosa</i> . <i>Structure</i> , 2020, 28, 643-650.e5.	3.3	9
15	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of intracellular growth locus E (IglE) protein from <i>Francisella tularensis</i> subsp. <i>novicida</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1596-1598.	0.7	8
16	Crystal structure of a marine glycoside hydrolase family 99-related protein lacking catalytic machinery. <i>Protein Science</i> , 2017, 26, 2445-2450.	7.6	1
17	The structure of <i>Pf</i> GH50B, an agarase from the marine bacterium <i>Pseudoalteromonas fuliginea</i> . <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2020, 76, 422-427.	0.8	1