

Laura Bowater

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

492
citations

10
h-index

21
g-index

21
ext. papers

554
ext. citations

4.2
avg, IF

3.13
L-index

#	Paper	IF	Citations
20	Oxalate decarboxylase requires manganese and dioxygen for activity. Overexpression and characterization of <i>Bacillus subtilis</i> YvrK and YoaN. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43627-34	5.4	108
19	A closed conformation of <i>Bacillus subtilis</i> oxalate decarboxylase OxdC provides evidence for the true identity of the active site. <i>Journal of Biological Chemistry</i> , 2004 , 279, 19867-74	5.4	71
18	<i>Bacillus subtilis</i> YxaG is a novel Fe-containing quercetin 2,3-dioxygenase. <i>FEBS Letters</i> , 2004 , 557, 45-8	3.8	59
17	Cloning and sequencing of two <i>Ceriporiopsis subvermispora</i> bicupin oxalate oxidase allelic isoforms: implications for the reaction specificity of oxalate oxidases and decarboxylases. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 3608-16	4.8	45
16	Oxalate decarboxylase and oxalate oxidase activities can be interchanged with a specificity switch of up to 282,000 by mutating an active site lid. <i>Biochemistry</i> , 2007 , 46, 12327-36	3.2	41
15	pH-dependent structures of the manganese binding sites in oxalate decarboxylase as revealed by high-field electron paramagnetic resonance. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 9016-25	3.4	31
14	The identity of the active site of oxalate decarboxylase and the importance of the stability of active-site lid conformations. <i>Biochemical Journal</i> , 2007 , 407, 397-406	3.8	30
13	Promoting microbiology education through the iGEM synthetic biology competition. <i>FEMS Microbiology Letters</i> , 2015 , 362,	2.9	27
12	Characterization of a temperature-sensitive DNA ligase from <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2004 , 150, 4171-80	2.9	21
11	Detection of transglucosidase-catalyzed polysaccharide synthesis on a surface in real time using surface plasmon resonance spectroscopy. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15234-5	16.4	16
10	Raising awareness of antimicrobial resistance among the general public in the UK: the role of public engagement activities. <i>JAC-Antimicrobial Resistance</i> , 2020 , 2, dlaa012	2.9	7
9	Development and Evaluation of an Undergraduate Science Communication Module. <i>Bioscience Education</i> , 2011 , 17, 1-16		6
8	Antimicrobial stewardship: the role of scientists?. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 1925-7	5.1	5
7	Twelve tips to teaching (legal and ethical aspects of) research ethics/responsible conduct of research. <i>Medical Teacher</i> , 2012 , 34, 108-15	3	5
6	SAD at home: solving the structure of oxalate decarboxylase with the anomalous signal from manganese using X-ray data collected on a home source. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004 , 60, 2403-6		5
5	Inspiring STEM undergraduates to tackle the AMR crisis. <i>FEMS Microbiology Letters</i> , 2015 , 362, fnv138	2.9	4
4	The representation of research in the national curriculum and secondary school pupils' perceptions of research, its function, usefulness and value to their lives. <i>F1000Research</i> , 2015 , 4, 1442	3.6	4

3	Can't Google It? Pupils' Perceptions and Experience of Research in the Secondary Classroom. <i>British Journal of Educational Studies</i> , 2017 , 65, 281-305	0.9	3
2	Antimicrobial stewardship: the role of scientists?—author's response. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 2924	5.1	3
1	The COVID University Challenge: A Hazard Analysis of Critical Control Points Assessment of the Return of Students to Higher Education Establishments. <i>Risk Analysis</i> , 2021 ,	3.9	1