

# John Walshaw

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

2,151  
citations

430754

18  
h-index

677027

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3484  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative metatranscriptomics reveals kingdom level changes in the rhizosphere microbiome of plants. <i>ISME Journal</i> , 2013, 7, 2248-2258.	4.4	468
2	SOCKET: a program for identifying and analysing coiled-coil motifs within protein structures <sup>11</sup> Edited by J. Thornton. <i>Journal of Molecular Biology</i> , 2001, 307, 1427-1450.	2.0	360
3	Arabidopsis Plasmodesmal Proteome. <i>PLoS ONE</i> , 2011, 6, e18880.	1.1	238
4	Arabidopsis cell wall proteome defined using multidimensional protein identification technology. <i>Proteomics</i> , 2006, 6, 301-311.	1.3	227
5	Discovery of intramolecular trans-sialidases in human gut microbiota suggests novel mechanisms of mucosal adaptation. <i>Nature Communications</i> , 2015, 6, 7624.	5.8	143
6	Structural basis for adaptation of lactobacilli to gastrointestinal mucus. <i>Environmental Microbiology</i> , 2014, 16, 888-903.	1.8	102
7	Coiled-coil protein Scy is a key component of a multiprotein assembly controlling polarized growth in <i>Streptomyces</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E397-406.	3.3	90
8	Extended knobs-into-holes packing in classical and complex coiled-coil assemblies <sup>†</sup> . <i>Journal of Structural Biology</i> , 2003, 144, 349-361.	1.3	85
9	Bicaudal-D uses a parallel, homodimeric coiled coil with heterotypic registry to coordinate recruitment of cargos to dynein. <i>Genes and Development</i> , 2013, 27, 1233-1246.	2.7	79
10	Unravelling the specificity and mechanism of sialic acid recognition by the gut symbiont <i>Ruminococcus gnavus</i> . <i>Nature Communications</i> , 2017, 8, 2196.	5.8	74
11	Distribution of Solvent Molecules Around Apolar Side-chains in Protein Crystals. <i>Journal of Molecular Biology</i> , 1993, 231, 392-414.	2.0	53
12	Open-and-shut cases in coiled-coil assembly: $\beta$ -sheets and $\beta$ -cylinders. <i>Protein Science</i> , 2001, 10, 668-673.	3.1	47
13	Investigating the Tolerance of Coiled-Coil Peptides to Nonheptad Sequence Inserts. <i>Journal of Structural Biology</i> , 2002, 137, 73-81.	1.3	31
14	A novel coiled-coil repeat variant in a class of bacterial cytoskeletal proteins. <i>Journal of Structural Biology</i> , 2010, 170, 202-215.	1.3	30
15	Structural and molecular insights into novel surface-exposed mucus adhesins from <i>Streptococcus pneumoniae</i> human strains. <i>Molecular Microbiology</i> , 2014, 92, 543-556.	1.2	29
16	Changes in Faecal Microbiota Profiles Associated With Performance and Birthweight of Piglets. <i>Frontiers in Microbiology</i> , 2020, 11, 917.	1.5	28
17	Solvent interactions with $\beta$ ring systems in proteins. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 109-116.	1.0	24
18	Gut Microbiome in New-Onset Crohn's Disease. <i>Gastroenterology</i> , 2014, 147, 932-934.	0.6	18

#	ARTICLE	IF	CITATIONS
19	An Integrative Approach to Computational Modelling of the Gene Regulatory Network Controlling Clostridium botulinum Type A1 Toxin Production. PLoS Computational Biology, 2016, 12, e1005205.	1.5	9
20	Guidelines for the assembly of novel coiled-coil structures: $\alpha$ -sheets and $\alpha$ -cylinders. Biochemical Society Symposia, 2001, 68, 111-123.	2.7	7
21	Image Segmentation of Bananas in a Crate Using a Multiple Threshold Method. Journal of Food Process Engineering, 2016, 39, 427-432.	1.5	5
22	New Elements To Consider When Modeling the Hazards Associated with Botulinum Neurotoxin in Food. Journal of Bacteriology, 2016, 198, 204-211.	1.0	4