

Maria Lucas

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,004
citations

516710

16
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	The Mre11:Rad50 Structure Shows an ATP-Dependent Molecular Clamp in DNA Double-Strand Break Repair. <i>Cell</i> , 2011, 145, 54-66.	28.9	182
2	Structural Mechanism for Cargo Recognition by the Retromer Complex. <i>Cell</i> , 2016, 167, 1623-1635.e14.	28.9	172
3	Recognition and processing of the origin of transfer DNA by conjugative relaxase TrwC. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 1002-1010.	8.2	132
4	Unveiling the Molecular Mechanism of a Conjugative Relaxase: The Structure of TrwC Complexed with a 27-mer DNA Comprising the Recognition Hairpin and the Cleavage Site. <i>Journal of Molecular Biology</i> , 2006, 358, 857-869.	4.2	68
5	Analysis of DNA processing reactions in bacterial conjugation by using suicide oligonucleotides. <i>EMBO Journal</i> , 2007, 26, 3847-3857.	7.8	53
6	Structural basis for the recruitment and activation of the <i>Legionella</i> phospholipase VipD by the host GTPase Rab5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3514-23.	7.1	46
7	Binding of S-Methyl-5 ϵ -Thioadenosine and S-Adenosyl-L-Methionine to Protein MJ0100 Triggers an Open-to-Closed Conformational Change in Its CBS Motif Pair. <i>Journal of Molecular Biology</i> , 2010, 396, 800-820.	4.2	42
8	Molecular mechanism for the subversion of the retromer coat by the <i>Legionella</i> effector RidL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11151-E11160.	7.1	42
9	CDC42EP5/BORG3 modulates SEPT9 to promote actomyosin function, migration, and invasion. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	40
10	Induction by interleukin 6 of Gs-coupled prostaglandin E2 receptors in rat hepatocytes mediating a prostaglandin E2-dependent inhibition of the hepatocyte's acute phase response. <i>Hepatology</i> , 2000, 31, 1128-1134.	7.3	33
11	Genetic and biochemical characterization of MbeA, the relaxase involved in plasmid ColE1 conjugative mobilization. <i>Molecular Microbiology</i> , 2003, 48, 481-493.	2.5	30
12	Relaxase DNA Binding and Cleavage Are Two Distinguishable Steps in Conjugative DNA Processing That Involve Different Sequence Elements of the nic Site. <i>Journal of Biological Chemistry</i> , 2010, 285, 8918-8926.	3.4	30
13	RavN is a member of a previously unrecognized group of <i>Legionella pneumophila</i> E3 ubiquitin ligases. <i>PLoS Pathogens</i> , 2018, 14, e1006897.	4.7	28
14	Retromer. <i>Current Biology</i> , 2017, 27, R687-R689.	3.9	23
15	The Relaxase of the <i>Rhizobium etli</i> Symbiotic Plasmid Shows nic Site cis-Acting Preference. <i>Journal of Bacteriology</i> , 2006, 188, 7488-7499.	2.2	21
16	Regulation of Human Hsc70 ATPase and Chaperone Activities by Apg2: Role of the Acidic Subdomain. <i>Journal of Molecular Biology</i> , 2019, 431, 444-461.	4.2	16
17	Endosomal Trafficking: Retromer and Retriever Are Relatives in Recycling. <i>Current Biology</i> , 2017, 27, R1233-R1236.	3.9	11
18	The CBS Domain Protein MJ0729 of <i>Methanocaldococcus jannaschii</i> is a Thermostable Protein with a pH-Dependent Self-Oligomerization. <i>Biochemistry</i> , 2009, 48, 2760-2776.	2.5	10

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19	Crystallization and preliminary crystallographic analysis of merohedrally twinned crystals of MJ0729, a CBS-domain protein from <i>Methanococcus jannaschii</i> . Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 605-609.	0.7	6
20	Purification, crystallization and preliminary crystallographic analysis of the CBS-domain protein MJ1004 from <i>Methanocaldococcus jannaschii</i> . Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 318-324.	0.7	5
21	Structural insight into the membrane targeting domain of the <i>Legionella</i> deAMPylase SidD. PLoS Pathogens, 2020, 16, e1008734.	4.7	5
22	Purification, crystallization and preliminary X-ray diffraction analysis of the CBS-domain pair from the <i>Methanococcus jannaschii</i> protein MJ0100. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 936-941.	0.7	4
23	Structural insights into <i>Pseudomonas aeruginosa</i> Type six secretion system exported effector 8. Journal of Structural Biology, 2020, 212, 107651.	2.8	3
24	Identification of Relaxase-DNA Covalent Complexes and DNA Strand Transfer Reaction Products by Polyacrylamide Gel Electrophoresis. Methods in Molecular Biology, 2020, 2075, 145-156.	0.9	1