Andrew Robinson

List of Publications by Year
in descending order

31 papers	1,146 citations	430874 18 h-index	501196 28 g-index
37 all docs	37 docs citations	37 times ranked	1314 citing authors

#	Article	IF	Citations
1	Single-molecule fluorescence microscopy reveals modulation of DNA polymerase IV-binding lifetimes by UmuD (K97A) and UmuDâ€². Current Genetics, 2021, 67, 295-303.	1.7	0
2	Single-molecule localisation microscopy: accounting for chance co-localisation between foci in bacterial cells. European Biophysics Journal, 2021, 50, 941-950.	2.2	0
3	Frequent template switching in postreplication gaps: suppression of deleterious consequences by the Escherichia coli Uup and RadD proteins. Nucleic Acids Research, 2020, 48, 212-230.	14.5	12
4	Resolving Toxic DNA repair intermediates in every E.Âcoli replication cycle: critical roles for RecG, Uup and RadD. Nucleic Acids Research, 2020, 48, 8445-8460.	14.5	25
5	Single-molecule live-cell imaging reveals RecB-dependent function of DNA polymerase IV inÂdouble strand break repair. Nucleic Acids Research, 2020, 48, 8490-8508.	14.5	15
6	Antibiotic-Induced Mutagenesis: Under the Microscope. Frontiers in Microbiology, 2020, 11, 585175.	3.5	27
7	Recycling of single-stranded DNA-binding protein by the bacterial replisome. Nucleic Acids Research, 2019, 47, 4111-4123.	14.5	51
8	Role of RNase H enzymes in maintaining genome stability in Escherichia coli expressing a steric-gate mutant of pol VICE391. DNA Repair, 2019, 84, 102685.	2.8	7
9	RecFOR epistasis group: RecF and RecO have distinct localizations and functions inEscherichia coli. Nucleic Acids Research, 2019, 47, 2946-2965.	14.5	31
10	Steric exclusion and protein conformation determine the localization of plasma membrane transporters. Nature Communications, 2018, 9, 501.	12.8	65
11	Specialised DNA polymerases in Escherichia coli: roles within multiple pathways. Current Genetics, 2018, 64, 1189-1196.	1.7	36
12	DNA polymerase IV primarily operates outside of DNA replication forks in Escherichia coli. PLoS Genetics, 2018, 14, e1007161.	3.5	55
13	Single-molecule visualization of fast polymerase turnover in the bacterial replisome. ELife, 2017, 6, .	6.0	107
14	Mutations for Worse or Better: Low-Fidelity DNA Synthesis by SOS DNA Polymerase V Is a Tightly Regulated Double-Edged Sword. Biochemistry, 2016, 55, 2309-2318.	2.5	33
15	A Tool for Alignment and Averaging of Sparse Fluorescence Signals in Rod-Shaped Bacteria. Biophysical Journal, 2016, 110, 1708-1715.	0.5	4
16	Single-Molecule Specific Mislocalization of Red Fluorescent Proteins in Live Escherichia coli. Biophysical Journal, 2016, 111, 25-27.	0.5	12
17	On the Spatial Organization of mRNA, Plasmids, and Ribosomes in a Bacterial Host Overexpressing Membrane Proteins. PLoS Genetics, 2016, 12, e1006523.	3.5	21
18	Regulation of Mutagenic DNA Polymerase V Activation in Space and Time. PLoS Genetics, 2015, 11, e1005482.	3.5	86

#	Article	IF	Citations
19	Single-Molecule Imaging at High Fluorophore Concentrations by Local Activation of Dye. Biophysical Journal, 2015, 108, 949-956.	0.5	14
20	iSBatch: a batch-processing platform for data analysis and exploration of live-cell single-molecule microscopy images and other hierarchical datasets. Molecular BioSystems, 2015, 11, 2699-2708.	2.9	9
21	A direct proofreaderâ€“clamp interaction stabilizes the Pol III replicase in the polymerization mode. EMBO Journal, 2013, 32, 1322-1333.	7.8	85
22	Bacterial replication, transcription and translation: mechanistic insights from single-molecule biochemical studies. Nature Reviews Microbiology, 2013, 11, 303-315.	28.6	65
23	Proofreading exonuclease on a tether: the complex between the E. coli DNA polymerase III subunits Î±, Îµ, Î¸ and Î² reveals a highly flexible arrangement of the proofreading domain. Nucleic Acids Research, 2013, 41, 5354-5367.	14.5	34
24	Architecture and Conservation of the Bacterial DNA Replication Machinery, an Underexploited Drug Target. Current Drug Targets, 2012, 13, 352-372.	2.1	104
25	Essential Biological Processes of an Emerging Pathogen: DNA Replication, Transcription, and Cell Division in Acinetobacter spp. Microbiology and Molecular Biology Reviews, 2010, 74, 273-297.	6.6	68
26	Lateral FtsZ association and the assembly of the cytokinetic Z ring in bacteria. Molecular Microbiology, 2009, 74, 1004-1017.	2.5	68
27	Structural Genomics of the Bacterial Mobile Metagenome: an Overview. Methods in Molecular Biology, 2008, 426, 589-595.	0.9	7
28	A putative houseâ€cleaning enzyme encoded within an integron array: 1.8â€ƒÃ… crystal structure defines a new MazG subtype. Molecular Microbiology, 2007, 66, 610-621.	2.5	20
29	Recovery and evolutionary analysis of complete integron gene cassette arrays from Vibrio. BMC Evolutionary Biology, 2006, 6, 3.	3.2	51
30	Integron-associated Mobile Gene Cassettes Code for Folded Proteins: The Structure of Bal32a, a New Member of the Adaptable Î±+Î² Barrel Family. Journal of Molecular Biology, 2005, 346, 1229-1241.	4.2	20
31	Host cell RecA activates a mobile element-encoded mutagenic DNA polymerase. Nucleic Acids Research, 0, , .	14.5	3