# Andrew Robinson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4092489/publications.pdf

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|---|---|---|---|
| 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 visualization of fast polymerase turnover in the bacterial replisome. ELife, 2017, 6, . | 6.0 | 107 |
| 2 | Architecture and Conservation of the Bacterial DNA Replication Machinery, an Underexploited Drug Target. Current Drug Targets, 2012, 13, 352-372. | 2.1 | 104 |
| 3 | Regulation of Mutagenic DNA Polymerase V Activation in Space and Time. PLoS Genetics, 2015, 11, e1005482. | 3.5 | 86 |
| 4 | A direct proofreaderâ€“clamp interaction stabilizes the Pol III replicase in the polymerization mode. EMBO Journal, 2013, 32, 1322-1333. | 7.8 | 85 |
| 5 | Lateral FtsZ association and the assembly of the cytokinetic Z ring in bacteria. Molecular Microbiology, 2009, 74, 1004-1017. | 2.5 | 68 |
| 6 | 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 |
| 7 | Bacterial replication, transcription and translation: mechanistic insights from single-molecule biochemical studies. Nature Reviews Microbiology, 2013, 11, 303-315. | 28.6 | 65 |
| 8 | Steric exclusion and protein conformation determine the localization of plasma membrane transporters. Nature Communications, 2018, 9, 501. | 12.8 | 65 |
| 9 | DNA polymerase IV primarily operates outside of DNA replication forks in Escherichia coli. PLoS Genetics, 2018, 14, e1007161. | 3.5 | 55 |
| 10 | Recovery and evolutionary analysis of complete integron gene cassette arrays from Vibrio. BMC Evolutionary Biology, 2006, 6, 3. | 3.2 | 51 |
| 11 | Recycling of single-stranded DNA-binding protein by the bacterial replisome. Nucleic Acids Research, 2019, 47, 4111-4123. | 14.5 | 51 |
| 12 | Specialised DNA polymerases in Escherichia coli: roles within multiple pathways. Current Genetics, 2018, 64, 1189-1196. | 1.7 | 36 |
| 13 | 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 |
| 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 | RecFOR epistasis group: RecF and RecO have distinct localizations and functions inEscherichia coli. Nucleic Acids Research, 2019, 47, 2946-2965. | 14.5 | 31 |
| 16 | Antibiotic-Induced Mutagenesis: Under the Microscope. Frontiers in Microbiology, 2020, 11, 585175. | 3.5 | 27 |
| 17 | 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 |
| 18 | On the Spatial Organization of mRNA, Plasmids, and Ribosomes in a Bacterial Host Overexpressing Membrane Proteins. PLoS Genetics, 2016, 12, e1006523. | 3.5 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | 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 |
| 22 | Single-Molecule Imaging at High Fluorophore Concentrations by Local Activation of Dye. Biophysical Journal, 2015, 108, 949-956. | 0.5 | 14 |
| 23 | Single-Molecule Specific Mislocalization of Red Fluorescent Proteins in Live Escherichia coli. Biophysical Journal, 2016, 111, 25-27. | 0.5 | 12 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | Structural Genomics of the Bacterial Mobile Metagenome: an Overview. Methods in Molecular Biology, 2008, 426, 589-595. | 0.9 | 7 |
| 28 | A Tool for Alignment and Averaging of Sparse Fluorescence Signals in Rod-Shaped Bacteria. Biophysical Journal, 2016, 110, 1708-1715. | 0.5 | 4 |
| 29 | Host cell RecA activates a mobile element-encoded mutagenic DNA polymerase. Nucleic Acids Research, 0, , . | 14.5 | 3 |
| 30 | 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 |
| 31 | Single-molecule localisation microscopy: accounting for chance co-localisation between foci in bacterial cells. European Biophysics Journal, 2021, 50, 941-950. | 2.2 | 0 |