

James R Yates

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

839
citations

933447

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h-index

1058476

14
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15
docs citations

15
times ranked

1079
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Localised solid-state nanopore fabrication via controlled breakdown using on-chip electrodes. <i>Nano Research</i> , 2022, 15, 9881-9889. | 10.4 | 8 |
| 2 | Understanding Electrical Conduction and Nanopore Formation During Controlled Breakdown. <i>Small</i> , 2021, 17, 2102543. | 10.0 | 6 |
| 3 | <i>In situ</i> solid-state nanopore fabrication. <i>Chemical Society Reviews</i> , 2021, 50, 4974-4992. | 38.1 | 64 |
| 4 | Zero-mode waveguide detection of DNA translocation through FIB-organised arrays of engineered nanopores. <i>Microelectronic Engineering</i> , 2018, 187-188, 90-94. | 2.4 | 7 |
| 5 | Single molecule characterisation of metal nanoparticles using nanopore-based stochastic detection methods. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2032-2049. | 7.8 | 7 |
| 6 | Solid State Nanopore Kit for Real-Time Analysis of DNA and Other Analytes. <i>Biophysical Journal</i> , 2017, 112, 154a. | 0.5 | 0 |
| 7 | An early cytoplasmic step of peptidoglycan synthesis is associated to <i>MreB</i> in <i>Bacillus subtilis</i> . <i>Molecular Microbiology</i> , 2014, 91, 348-362. | 2.5 | 35 |
| 8 | FIB patterning of dielectric, metallized and graphene membranes: A comparative study. <i>Microelectronic Engineering</i> , 2014, 121, 87-91. | 2.4 | 25 |
| 9 | Sensing Single Mixed-Monolayer Protected Gold Nanoparticles by the α -Hemolysin Nanopore. <i>Analytical Chemistry</i> , 2013, 85, 10149-10158. | 6.5 | 23 |
| 10 | Wall Teichoic Acids of <i>Staphylococcus aureus</i> Limit Recognition by the <i>Drosophila</i> Peptidoglycan Recognition Protein-SA to Promote Pathogenicity. <i>PLoS Pathogens</i> , 2011, 7, e1002421. | 4.7 | 46 |
| 11 | Teichoic acids are temporal and spatial regulators of peptidoglycan cross-linking in <i>Staphylococcus aureus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18991-18996. | 7.1 | 225 |
| 12 | Double-Stranded DNA Translocation: Structure and Mechanism of Hexameric FtsK. <i>Molecular Cell</i> , 2006, 23, 457-469. | 9.7 | 217 |
| 13 | Dissection of a functional interaction between the DNA translocase, FtsK, and the XerD recombinase. <i>Molecular Microbiology</i> , 2006, 59, 1754-1766. | 2.5 | 55 |
| 14 | Recombination and chromosome segregation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 61-69. | 4.0 | 70 |
| 15 | Species specificity in the activation of Xer recombination at dif by FtsK. <i>Molecular Microbiology</i> , 2003, 49, 241-249. | 2.5 | 51 |