

Simon A Jackson

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,387
citations

516710

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501196

28
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33
all docs

33
docs citations

33
times ranked

1269
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | CRISPR-Cas: Adapting to change. <i>Science</i> , 2017, 356, . | 12.6 | 323 |
| 2 | Quorum Sensing Controls Adaptive Immunity through the Regulation of Multiple CRISPR-Cas Systems. <i>Molecular Cell</i> , 2016, 64, 1102-1108. | 9.7 | 183 |
| 3 | Interference-driven spacer acquisition is dominant over naive and primed adaptation in a native CRISPR-Cas system. <i>Nature Communications</i> , 2016, 7, 12853. | 12.8 | 125 |
| 4 | A jumbo phage that forms a nucleus-like structure evades CRISPR-Cas DNA targeting but is vulnerable to type III RNA-based immunity. <i>Nature Microbiology</i> , 2020, 5, 48-55. | 13.3 | 123 |
| 5 | Identification and classification of antiviral defence systems in bacteria and archaea with PADLOC reveals new system types. <i>Nucleic Acids Research</i> , 2021, 49, 10868-10878. | 14.5 | 92 |
| 6 | Type III CRISPR-Cas systems can provide redundancy to counteract viral escape from type I systems. <i>ELife</i> , 2017, 6, . | 6.0 | 81 |
| 7 | Imprecise Spacer Acquisition Generates CRISPR-Cas Immune Diversity through Primed Adaptation. <i>Cell Host and Microbe</i> , 2019, 25, 250-260.e4. | 11.0 | 54 |
| 8 | The autoregulator Aca2 mediates anti-CRISPR repression. <i>Nucleic Acids Research</i> , 2019, 47, 9658-9665. | 14.5 | 49 |
| 9 | PADLOC: a web server for the identification of antiviral defence systems in microbial genomes. <i>Nucleic Acids Research</i> , 2022, 50, W541-W550. | 14.5 | 47 |
| 10 | Bioinformatic evidence of widespread priming in type I and II CRISPR-Cas systems. <i>RNA Biology</i> , 2019, 16, 566-576. | 3.1 | 45 |
| 11 | The Rcs stress response inversely controls surface and CRISPR-Cas adaptive immunity to discriminate plasmids and phages. <i>Nature Microbiology</i> , 2021, 6, 162-172. | 13.3 | 32 |
| 12 | Dynamics of Photosynthesis in a Glycogen-Deficient <i>glgC</i> Mutant of <i>Synechococcus</i> sp. Strain PCC 7002. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6210-6222. | 3.1 | 29 |
| 13 | Removal of both Ycf48 and Psb27 in <i>Synechocystis</i> sp. PCC 6803 disrupts Photosystem II assembly and alters Q _A ⁺ oxidation in the mature complex. <i>FEBS Letters</i> , 2014, 588, 3751-3760. | 2.8 | 28 |
| 14 | Crystal Structure of PsbQ from <i>Synechocystis</i> sp. PCC 6803 at 1.8 Å...: Implications for Binding and Function in Cyanobacterial Photosystem II. <i>Biochemistry</i> , 2010, 49, 2765-2767. | 2.5 | 26 |
| 15 | AbiEi Binds Cooperatively to the Type IV <i>abiE</i> Toxin-Antitoxin Operator Via a Positively-Charged Surface and Causes DNA Bending and Negative Autoregulation. <i>Journal of Molecular Biology</i> , 2018, 430, 1141-1156. | 4.2 | 20 |
| 16 | Solution structure of CyanoP from <i>Synechocystis</i> sp. PCC 6803: New insights on the structural basis for functional specialization amongst PsbP family proteins. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 1331-1338. | 1.0 | 19 |
| 17 | A mobile restriction-modification system provides phage defence and resolves an epigenetic conflict with an antagonistic endonuclease. <i>Nucleic Acids Research</i> , 2022, 50, 3348-3361. | 14.5 | 17 |
| 18 | The importance of the hydrophilic region of PsbL for the plastoquinone electron acceptor complex of Photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 1435-1446. | 1.0 | 14 |

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|----|---|------|-----------|
| 19 | Characterization of a <i>Synechocystis</i> sp. PCC 6803 double mutant lacking the CyanoP and Ycf48 proteins of Photosystem II. <i>Photosynthesis Research</i> , 2015, 124, 217-229. | 2.9 | 12 |
| 20 | Bacterial dormancy curbs phage epidemics. <i>Nature</i> , 2019, 570, 173-174. | 27.8 | 12 |
| 21 | The Rsm (Csr) post-transcriptional regulatory pathway coordinately controls multiple CRISPR-Cas immune systems. <i>Nucleic Acids Research</i> , 2021, 49, 9508-9525. | 14.5 | 9 |
| 22 | Sortn-seq: a high-throughput functional genomics approach to discovering regulators of bacterial gene expression. <i>Nature Protocols</i> , 2021, 16, 4382-4418. | 12.0 | 7 |
| 23 | Functional genomics reveals the toxin-antitoxin repertoire and AbiE activity in <i>Serratia</i> . <i>Microbial Genomics</i> , 2020, 6, . | 2.0 | 7 |
| 24 | Complete Genome Sequences of the <i>Escherichia coli</i> Donor Strains ST18 and MFD pir. <i>Microbiology Resource Announcements</i> , 2020, 9, . | 0.6 | 7 |
| 25 | Crystal structure of the anti-CRISPR repressor Aca2. <i>Journal of Structural Biology</i> , 2021, 213, 107752. | 2.8 | 6 |
| 26 | Evolution of virulence in a novel family of transmissible megaplasmids. <i>Environmental Microbiology</i> , 2021, 23, 5289-5304. | 3.8 | 5 |
| 27 | Modular growth vessels for the cultivation of the cyanobacterium <i>Synechococcus</i> sp. PCC 7002. <i>New Zealand Journal of Botany</i> , 2017, 55, 14-24. | 1.1 | 3 |
| 28 | Adaptation by Type V-A and V-B CRISPR-Cas Systems Demonstrates Conserved Protospacer Selection Mechanisms Between Diverse CRISPR-Cas Types. <i>CRISPR Journal</i> , 0, . | 2.9 | 1 |
| 29 | Structure-Function Studies of the Photosystem II Extrinsic Subunits PsbQ and PsbP from the Cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 86-90. | 0.1 | 0 |