

Cassandra E Nelson

List of Publications by Year in descending order

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12
papers

446
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933447

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docs citations

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times ranked

726
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Structural and Functional Analysis of a Lytic Polysaccharide Monooxygenase Important for Efficient Utilization of Chitin in <i>Cellvibrio japonicus</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 7300-7312. | 3.4 | 103 |
| 2 | Myeloid-Derived Suppressor Cell Survival and Function Are Regulated by the Transcription Factor Nrf2. <i>Journal of Immunology</i> , 2016, 196, 3470-3478. | 0.8 | 90 |
| 3 | The human innate immune protein calprotectin induces iron starvation responses in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 3549-3562. | 3.4 | 61 |
| 4 | Proteomic Analysis of the <i>Pseudomonas aeruginosa</i> Iron Starvation Response Reveals PrrF Small Regulatory RNA-Dependent Iron Regulation of Twitching Motility, Amino Acid Metabolism, and Zinc Homeostasis Proteins. <i>Journal of Bacteriology</i> , 2019, 201, . | 2.2 | 54 |
| 5 | In-Frame Deletions Allow Functional Characterization of Complex Cellulose Degradation Phenotypes in <i>Cellvibrio japonicus</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5968-5975. | 3.1 | 24 |
| 6 | In vitro and in vivo characterization of three <i>Cellvibrio japonicus</i> glycoside hydrolase family 5 members reveals potent xyloglucan backbone-cleaving functions. <i>Biotechnology for Biofuels</i> , 2018, 11, 45. | 6.2 | 24 |
| 7 | Comprehensive functional characterization of the glycoside hydrolase family 3 enzymes from <i>Cellvibrio japonicus</i> reveals unique metabolic roles in biomass saccharification. <i>Environmental Microbiology</i> , 2017, 19, 5025-5039. | 3.8 | 23 |
| 8 | ExpR Coordinates the Expression of Symbiotically Important, Bundle-Forming Flp Pili with Quorum Sensing in <i>Sinorhizobium meliloti</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 2429-2439. | 3.1 | 18 |
| 9 | Systems analysis in <i>Cellvibrio japonicus</i> resolves predicted redundancy of α -glucosidases and determines essential physiological functions. <i>Molecular Microbiology</i> , 2017, 104, 294-305. | 2.5 | 17 |
| 10 | Heme protects <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> from calprotectin-induced iron starvation. <i>Journal of Biological Chemistry</i> , 2021, 296, 100160. | 3.4 | 16 |
| 11 | The Human Innate Immune Protein Calprotectin Elicits a Multimetal Starvation Response in <i>Pseudomonas aeruginosa</i> . <i>Microbiology Spectrum</i> , 2021, 9, e0051921. | 3.0 | 10 |
| 12 | Custom fabrication of biomass containment devices using 3-D printing enables bacterial growth analyses with complex insoluble substrates. <i>Journal of Microbiological Methods</i> , 2016, 130, 136-143. | 1.6 | 6 |