

Cassandra E Nelson

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

446
citations

933447

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1199594

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14
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726
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
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 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
6	Systems analysis in <i>Cellvibrio japonicus</i> resolves predicted redundancy of β -glucosidases and determines essential physiological functions. <i>Molecular Microbiology</i> , 2017, 104, 294-305.	2.5	17
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	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
9	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
10	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
11	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
12	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