

Valley Stewart

List of Publications by Year in descending order

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23
papers

679
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687363

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677142

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times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	Periplasmic Nitrate Reductase (NapABC Enzyme) Supports Anaerobic Respiration by <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2002, 184, 1314-1323.	2.2	139
2	Functional similarities among two-component sensors and methyl-accepting chemotaxis proteins suggest a role for linker region amphipathic helices in transmembrane signal transduction. <i>Molecular Microbiology</i> , 2002, 33, 1093-1102.	2.5	127
3	A microbially derived tyrosine-sulfated peptide mimics a plant peptide hormone. <i>New Phytologist</i> , 2017, 215, 725-736.	7.3	70
4	Biosynthesis and secretion of the microbial sulfated peptide RaxX and binding to the rice XA21 immune receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8525-8534.	7.1	64
5	The S Helix Mediates Signal Transmission as a HAMP Domain Coiled-Coil Extension in the NarX Nitrate Sensor from <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2010, 192, 734-745.	2.2	46
6	Synthetic lac Operator Substitutions for Studying the Nitrate- and Nitrite-Responsive NarX-NarL and NarQ-NarP Two-Component Regulatory Systems of <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2003, 185, 2104-2111.	2.2	31
7	Dual Overlapping Promoters Control napF (Periplasmic Nitrate Reductase) Operon Expression in <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2003, 185, 5862-5870.	2.2	29
8	The HAMP signal conversion domain: static two-state or dynamic three-state?. <i>Molecular Microbiology</i> , 2014, 91, 853-857.	2.5	26
9	Catabolite Repression Control of napF (Periplasmic Nitrate Reductase) Operon Expression in <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2009, 191, 996-1005.	2.2	25
10	Response to culture aeration mediated by the nitrate and nitrite sensor NarQ of <i>Escherichia coli</i> K-12. <i>Molecular Microbiology</i> , 2003, 50, 1391-1399.	2.5	17
11	Variation and inheritance of the <i>Xanthomonas</i> raxX-raxSTAB gene cluster required for activation of XA21-mediated immunity. <i>Molecular Plant Pathology</i> , 2019, 20, 656-672.	4.2	17
12	Fnr-, NarP- and NarL-Dependent Regulation of Transcription Initiation from the Haemophilus influenzae Rd napF (Periplasmic Nitrate Reductase) Promoter in <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2005, 187, 6928-6935.	2.2	16
13	Functional roles for the GerE-family carboxyl-terminal domains of nitrate response regulators NarL and NarP of <i>Escherichia coli</i> K-12. <i>Microbiology (United Kingdom)</i> , 2010, 156, 2933-2943.	1.8	15
14	Plant immunity: Rice XA21-mediated resistance to bacterial infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	13
15	Hybrid Two-Component Sensors for Identification of Bacterial Chemoreceptor Function. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	12
16	Sensor-response regulator interactions in a cross-regulated signal transduction network. <i>Microbiology (United Kingdom)</i> , 2015, 161, 1504-1515.	1.8	10
17	Sulfotyrosine residues: Interaction specificity determinants for extracellular protein-protein interactions. <i>Journal of Biological Chemistry</i> , 2022, 298, 102232.	3.4	7
18	The HrpX Protein Activates Synthesis of the RaxX Sulfopeptide, Required for Activation of XA21-Mediated Immunity to <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Molecular Plant-Microbe Interactions</i> , 2021, 34, 1307-1315.	2.6	4

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19	The Ribosome: a Metabolite-Responsive Transcription Regulator. <i>Journal of Bacteriology</i> , 2008, 190, 4787-4790.	2.2	3
20	Cross Talk Inhibition Nullified by a Receiver Domain Missense Substitution. <i>Journal of Bacteriology</i> , 2015, 197, 3294-3306.	2.2	3
21	The Xanthomonas RaxH-RaxR Two-Component Regulatory System Is Orthologous to the Zinc-Responsive Pseudomonas ColS-ColR System. <i>Microorganisms</i> , 2021, 9, 1458.	3.6	3
22	Substitutions at Auxiliary Operator O3 Enhance Repression by Nitrate-Responsive Regulator NarL at Synthetic lac Control Regions in <i>Escherichia coli</i> K-12. <i>Journal of Bacteriology</i> , 2008, 190, 428-433.	2.2	1
23	The Legacy of Genetic Analysis Advances Contemporary Research with <i>Escherichia coli</i> K-12 and <i>Salmonella enterica</i> serovar Typhimurium LT2. <i>EcoSal Plus</i> , 2017, 7, .	5.4	0