Valley Stewart

List of Publications by Year
in descending order

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23 papers	679 citations	687363 13 h-index	677142 22 g-index
25 all docs	25 docs citations	25 times ranked	878 citing authors

#	Article	IF	Citations
1	Plant immunity: Rice XA21-mediated resistance to bacterial infection. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	13
2	Sulfotyrosine residues: Interaction specificity determinants for extracellular proteinâ€“protein interactions. Journal of Biological Chemistry, 2022, 298, 102232.	3.4	7
3	The Xanthomonas RaxH-RaxR Two-Component Regulatory System Is Orthologous to the Zinc-Responsive Pseudomonas ColS-ColR System. Microorganisms, 2021, 9, 1458.	3.6	3
4	The HrpX Protein Activates Synthesis of the RaxX Sulfopeptide, Required for Activation of XA21-Mediated Immunity to Xanthomonas oryzae pv. oryzae. Molecular Plant-Microbe Interactions, 2021, 34, 1307-1315.	2.6	4
5	Biosynthesis and secretion of the microbial sulfated peptide RaxX and binding to the rice XA21 immune receptor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8525-8534.	7.1	64
6	Variation and inheritance of the Xanthomonas raxXâ€raxSTAB gene cluster required for activation of XA21â€mediated immunity. Molecular Plant Pathology, 2019, 20, 656-672.	4.2	17
7	Hybrid Two-Component Sensors for Identification of Bacterial Chemoreceptor Function. Applied and Environmental Microbiology, 2019, 85, .	3.1	12
8	The Legacy of Genetic Analysis Advances Contemporary Research with Escherichia coli K-12 and Salmonella enterica serovar Typhimurium LT2. EcoSal Plus, 2017, 7, .	5.4	0
9	A microbially derived tyrosineâ€sulfated peptide mimics a plant peptide hormone. New Phytologist, 2017, 215, 725-736.	7.3	70
10	Sensorâ€“response regulator interactions in a cross-regulated signal transduction network. Microbiology (United Kingdom), 2015, 161, 1504-1515.	1.8	10
11	Cross Talk Inhibition Nullified by a Receiver Domain Missense Substitution. Journal of Bacteriology, 2015, 197, 3294-3306.	2.2	3
12	The <scp>HAMP</scp> signalâ€conversion domain: static twoâ€state or dynamic threeâ€state?. Molecular Microbiology, 2014, 91, 853-857.	2.5	26
13	Functional roles for the GerE-family carboxyl-terminal domains of nitrate response regulators NarL and NarP of Escherichia coli K-12. Microbiology (United Kingdom), 2010, 156, 2933-2943.	1.8	15
14	The S Helix Mediates Signal Transmission as a HAMP Domain Coiled-Coil Extension in the NarX Nitrate Sensor fromEscherichia coliK-12. Journal of Bacteriology, 2010, 192, 734-745.	2.2	46
15	Catabolite Repression Control ofnapF(Periplasmic Nitrate Reductase) Operon Expression inEscherichia coliK-12. Journal of Bacteriology, 2009, 191, 996-1005.	2.2	25
16	Substitutions at Auxiliary Operator O3 Enhance Repression by Nitrate-Responsive Regulator NarL at Synthetic lac Control Regions in Escherichia coli K-12. Journal of Bacteriology, 2008, 190, 428-433.	2.2	1
17	The Ribosome: a Metabolite-Responsive Transcription Regulator. Journal of Bacteriology, 2008, 190, 4787-4790.	2.2	3
18	Fnr-, NarP- and NarL-Dependent Regulation of Transcription Initiation from the Haemophilus influenzae Rd napF (Periplasmic Nitrate Reductase) Promoter in Escherichia coli K-12. Journal of Bacteriology, 2005, 187, 6928-6935.	2.2	16

#	Article	IF	Citations
19	Response to culture aeration mediated by the nitrate and nitrite sensor NarQ of Escherichia coli K-12. Molecular Microbiology, 2003, 50, 1391-1399.	2.5	17
20	Synthetic lac Operator Substitutions for Studying the Nitrate- and Nitrite-Responsive NarX-NarL and NarQ-NarP Two-Component Regulatory Systems of Escherichia coli K-12. Journal of Bacteriology, 2003, 185, 2104-2111.	2.2	31
21	Dual Overlapping Promoters Control napF (Periplasmic Nitrate Reductase) Operon Expression in Escherichia coli K-12. Journal of Bacteriology, 2003, 185, 5862-5870.	2.2	29
22	Periplasmic Nitrate Reductase (NapABC Enzyme) Supports Anaerobic Respiration byEscherichia coliK-12. Journal of Bacteriology, 2002, 184, 1314-1323.	2.2	139
23	Functional similarities among two-component sensors and methyl-accepting chemotaxis proteins suggest a role for linker region amphipathic helices in transmembrane signal transduction. Molecular Microbiology, 2002, 33, 1093-1102.	2.5	127