

Ellen L Neidle

List of Publications by Year in descending order

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48
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2,237
citations

168829

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docs citations

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times ranked

2353
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Highly Ferulate-Tolerant <i>Acinetobacter baylyi</i> ADP1 Isolates by a Rapid Reverse Engineering Method. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0178021.	1.4	5
2	Regulation of <i>lscK</i> and <i>dscK</i> -Aspartate Transport and Metabolism in <i>Acinetobacter baylyi</i> ADP1. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	1.4	4
3	Gene amplification, laboratory evolution, and biosensor screening reveal MucK as a terephthalic acid transporter in <i>Acinetobacter baylyi</i> ADP1. <i>Metabolic Engineering</i> , 2020, 62, 260-274.	3.6	35
4	Development of a genetic toolset for the highly engineerable and metabolically versatile <i>Acinetobacter baylyi</i> ADP1. <i>Nucleic Acids Research</i> , 2020, 48, 5169-5182.	6.5	30
5	Engineering CatM, a LysR-Type Transcriptional Regulator, to Respond Synergistically to Two Effectors. <i>Genes</i> , 2019, 10, 421.	1.0	10
6	Enabling microbial syringol conversion through structure-guided protein engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 13970-13976.	3.3	41
7	Removal of aromatic inhibitors produced from lignocellulosic hydrolysates by <i>Acinetobacter baylyi</i> ADP1 with formation of ethanol by <i>Kluyveromyces marxianus</i> . <i>Biotechnology for Biofuels</i> , 2019, 12, 91.	6.2	25
8	<i>Vibrio fischeri</i> DarR Directs Responses to d-Aspartate and Represents a Group of Similar LysR-Type Transcriptional Regulators. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	9
9	A promiscuous cytochrome P450 aromatic O-demethylase for lignin bioconversion. <i>Nature Communications</i> , 2018, 9, 2487.	5.8	135
10	Accelerating pathway evolution by increasing the gene dosage of chromosomal segments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 7105-7110.	3.3	52
11	Malonate degradation in <i>Acinetobacter baylyi</i> ADP1: operon organization and regulation by MdcR. <i>Microbiology (United Kingdom)</i> , 2017, 163, 789-803.	0.7	9
12	Novel heterologous bacterial system reveals enhanced susceptibility to DNA damage mediated by <i>yqgF</i> , a nearly ubiquitous and often essential gene. <i>Microbiology (United Kingdom)</i> , 2016, 162, 1808-1821.	0.7	4
13	The DNA-binding domain of BenM reveals the structural basis for the recognition of a T-N ¹¹ -A sequence motif by LysR-type transcriptional regulators. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1995-2007.	2.5	52
14	Copy number change: evolving views on gene amplification. <i>Future Microbiology</i> , 2013, 8, 887-899.	1.0	55
15	Analysis of IS <i>1236</i> -Mediated Gene Amplification Events in <i>Acinetobacter baylyi</i> ADP1. <i>Journal of Bacteriology</i> , 2012, 194, 4395-4405.	1.0	14
16	Genome-wide selection for increased copy number in <i>Acinetobacter baylyi</i> ADP1: locus and context-dependent variation in gene amplification. <i>Molecular Microbiology</i> , 2012, 83, 520-535.	1.2	26
17	Defying stereotypes: the elusive search for a universal model of LysR-type regulation. <i>Molecular Microbiology</i> , 2012, 83, 453-456.	1.2	25
18	<i>Acinetobacter baylyi</i> ADP1: Transforming the choice of model organism. <i>IUBMB Life</i> , 2011, 63, 1075-1080.	1.5	53

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19	Discovery of a Gene Involved in a Third Bacterial Protoporphyrinogen Oxidase Activity through Comparative Genomic Analysis and Functional Complementation. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4795-4801.	1.4	28
20	Full-Length Structures of BenM and Two Variants Reveal Different Oligomerization Schemes for LysR-Type Transcriptional Regulators. <i>Journal of Molecular Biology</i> , 2010, 404, 568-586.	2.0	55
21	Inducer responses of BenM, a LysR-type transcriptional regulator from <i>Acinetobacter baylyi</i> ADP1. <i>Molecular Microbiology</i> , 2009, 72, 881-894.	1.2	49
22	Redox-dependent structural changes in archaeal and bacterial Rieske-type [2Fe-2S] clusters. <i>Protein Science</i> , 2009, 11, 2969-2973.	3.1	27
23	Distinct Effector-binding Sites Enable Synergistic Transcriptional Activation by BenM, a LysR-type Regulator. <i>Journal of Molecular Biology</i> , 2007, 367, 616-629.	2.0	89
24	Double trouble: medical implications of genetic duplication and amplification in bacteria. <i>Future Microbiology</i> , 2007, 2, 309-321.	1.0	25
25	Oligomerization of BenM, a LysR-type transcriptional regulator: structural basis for the aggregation of proteins in this family. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 361-368.	0.7	34
26	CatM Regulation of the benABCDE Operon: Functional Divergence of Two LysR-Type Paralogs in <i>Acinetobacter baylyi</i> ADP1. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1749-1758.	1.4	42
27	Benzoate Decreases the Binding of <i>cis</i> , <i>cis</i> -Muconate to the BenM Regulator despite the Synergistic Effect of Both Compounds on Transcriptional Activation. <i>Journal of Bacteriology</i> , 2004, 186, 1200-1204.	1.0	26
28	Diverse Organization of Genes of the $\hat{\imath}^2$ -Keto adipate Pathway in Members of the Marine <i>Roseobacter</i> Lineage. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1658-1668.	1.4	52
29	Crystallization of the effector-binding domains of BenM and CatM, LysR-type transcriptional regulators from <i>Acinetobacter</i> sp. ADP1. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 105-108.	2.5	17
30	Selection for Gene Clustering by Tandem Duplication. <i>Annual Review of Microbiology</i> , 2004, 58, 119-142.	2.9	89
31	Gene Amplification Involves Site-specific Short Homology-independent Illegitimate Recombination in <i>Acinetobacter</i> sp. Strain ADP1. <i>Journal of Molecular Biology</i> , 2004, 338, 643-656.	2.0	43
32	Genome plasticity in <i>Acinetobacter</i> : new degradative capabilities acquired by the spontaneous amplification of large chromosomal segments. <i>Molecular Microbiology</i> , 2003, 47, 1291-1304.	1.2	69
33	Histidine Ligand Protonation and Redox Potential in the Rieske Dioxygenases: Role of a Conserved Aspartate in Anthranilate 1,2-Dioxygenase. <i>Biochemistry</i> , 2003, 42, 13625-13636.	1.2	38
34	Transcriptional Cross-Regulation of the Catechol and Protocatechuate Branches of the $\hat{\imath}^2$ -Keto adipate Pathway Contributes to Carbon Source-Dependent Expression of the <i>Acinetobacter</i> sp. Strain ADP1 <i>pobA</i> Gene. <i>Applied and Environmental Microbiology</i> , 2003, 69, 1598-1606.	1.4	53
35	Synergistic transcriptional activation by one regulatory protein in response to two metabolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7693-7698.	3.3	84
36	X-ray Crystal Structure of Benzoate 1,2-Dioxygenase Reductase from <i>Acinetobacter</i> sp. Strain ADP1. <i>Journal of Molecular Biology</i> , 2002, 318, 261-272.	2.0	57

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37	The benPK operon, proposed to play a role in transport, is part of a regulon for benzoate catabolism in <i>Acinetobacter</i> sp. strain ADP1. <i>Microbiology (United Kingdom)</i> , 2002, 148, 1213-1223.	0.7	35
38	Cloning and Expression of the Benzoate Dioxygenase Genes from <i>Rhodococcus</i> sp. Strain 19070. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2507-2514.	1.4	39
39	Characterization and Evolution of Anthranilate 1,2-Dioxygenase from <i>Acinetobacter</i> sp. Strain ADP1. <i>Journal of Bacteriology</i> , 2001, 183, 109-118.	1.0	56
40	Diversity of the Ring-Cleaving Dioxygenase Gene <i>pcaH</i> in a Salt Marsh Bacterial Community. <i>Applied and Environmental Microbiology</i> , 2001, 67, 5801-5809.	1.4	58
41	Mutations in <i>catB</i> , the Gene Encoding Muconate Cycloisomerase, Activate Transcription of the Distalben Genes and Contribute to a Complex Regulatory Circuit in <i>Acinetobacter</i> sp. Strain ADP1. <i>Journal of Bacteriology</i> , 2000, 182, 7044-7052.	1.0	18
42	Key Aromatic-Ring-Cleaving Enzyme, Protocatechuate 3,4-Dioxygenase, in the Ecologically Important Marine <i>Roseobacter</i> Lineage. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4662-4672.	1.4	132
43	<i>areABC</i> Genes Determine the Catabolism of Aryl Esters in <i>Acinetobacter</i> sp. Strain ADP1. <i>Journal of Bacteriology</i> , 1999, 181, 4568-4575.	1.0	38
44	Similarities between the <i>antABC</i> -Encoded Anthranilate Dioxygenase and the <i>benABC</i> -Encoded Benzoate Dioxygenase of <i>Acinetobacter</i> sp. Strain ADP1. <i>Journal of Bacteriology</i> , 1998, 180, 4466-4474.	1.0	71
45	Regulation of Benzoate Degradation in <i>Acinetobacter</i> sp. Strain ADP1 by BenM, a LysR-Type Transcriptional Activator. <i>Journal of Bacteriology</i> , 1998, 180, 2493-2501.	1.0	125
46	Directed introduction of DNA cleavage sites to produce a high-resolution genetic and physical map of the <i>Acinetobacter</i> sp. strain ADP1 (BD413UE) chromosome. <i>Microbiology (United Kingdom)</i> , 1997, 143, 1345-1357.	0.7	55
47	Cis-diol dehydrogenases encoded by the TOL pWWO plasmid <i>xylL</i> gene and the <i>Acinetobacter calcoaceticus</i> chromosomal <i>benD</i> gene are members of the short-chain alcohol dehydrogenase superfamily. <i>FEBS Journal</i> , 1992, 204, 113-120.	0.2	96
48	[20] Catechol and chlorocatechol 1,2-Dioxygenases. <i>Methods in Enzymology</i> , 1990, 188, 122-126.	0.4	51