

Susan E Jensen

List of Publications by Year in descending order

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61
papers

3,065
citations

147726

31
h-index

161767

54
g-index

62
all docs

62
docs citations

62
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Engineering To Regulate Production of Secondary Metabolites in <i>Streptomyces clavuligerus</i> . , 2014, , 411-425.		0
2	Carboxyethylarginine Synthase Genes Show Complex Cross-Regulation in <i>Streptomyces clavuligerus</i> . Applied and Environmental Microbiology, 2013, 79, 240-249.	1.4	6
3	Origins of the β -lactam rings in natural products. Journal of Antibiotics, 2013, 66, 401-410.	1.0	61
4	5S Clavam Biosynthesis Is Controlled by an Atypical Two-Component Regulatory System in <i>Streptomyces clavuligerus</i> . Antimicrobial Agents and Chemotherapy, 2012, 56, 4845-4855.	1.4	4
5	Biosynthesis of clavam metabolites. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 1407-1419.	1.4	33
6	A comparison of the clavam biosynthetic gene clusters in <i>Streptomyces antibioticus</i> TÅ¼1718 and <i>Streptomyces clavuligerus</i> . Canadian Journal of Microbiology, 2012, 58, 413-425.	0.8	8
7	<i>Paenibacillus polymyxa</i> PKB1 Produces Variants of Polymyxin B-Type Antibiotics. Chemistry and Biology, 2011, 18, 1640-1648.	6.2	104
8	Clavulanic acid biosynthesis and genetic manipulation for its overproduction. Applied Microbiology and Biotechnology, 2010, 88, 659-669.	1.7	32
9	Draft Genome Sequence of <i>Streptomyces clavuligerus</i> NRRL 3585, a Producer of Diverse Secondary Metabolites. Journal of Bacteriology, 2010, 192, 6317-6318.	1.0	55
10	Crystal Structures of an Oligopeptide-Binding Protein from the Biosynthetic Pathway of the β -Lactamase Inhibitor Clavulanic Acid. Journal of Molecular Biology, 2010, 396, 332-344.	2.0	13
11	A gene located downstream of the clavulanic acid gene cluster in <i>Streptomyces clavuligerus</i> ATCC 27064 encodes a putative response regulator that affects clavulanic acid production. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 301-311.	1.4	17
12	Use of the native flp gene to generate in-frame unmarked mutations in <i>Streptomyces</i> spp.. Gene, 2009, 443, 48-54.	1.0	12
13	Insights into Positive and Negative Requirements for Protein-Protein Interactions by Crystallographic Analysis of the β -Lactamase Inhibitory Proteins BLIP, BLIP-I, and BLP. Journal of Molecular Biology, 2009, 389, 289-305.	2.0	35
14	Nonribosomal Biosynthesis of Fusaricidins by <i>Paenibacillus polymyxa</i> PKB1 Involves Direct Activation of a d-Amino Acid. Chemistry and Biology, 2008, 15, 118-127.	6.2	96
15	Alanylclavam Biosynthetic Genes Are Clustered Together with One Group of Clavulanic Acid Biosynthetic Genes in <i>Streptomyces clavuligerus</i> . Journal of Bacteriology, 2008, 190, 7957-7965.	1.0	31
16	Functional effects of increased copy number of the gene encoding proclavaminic amidino hydrolase on clavulanic acid production in <i>Streptomyces clavuligerus</i> ATCC 27064. Journal of Microbiology and Biotechnology, 2008, 18, 417-26.	0.9	9
17	pcd Mutants of <i>Streptomyces clavuligerus</i> Still Produce Cephamicin C. Journal of Bacteriology, 2007, 189, 5867-5874.	1.0	11
18	Use of PCR-Targeted Mutagenesis To Disrupt Production of Fusaricidin-Type Antifungal Antibiotics in <i>Paenibacillus polymyxa</i> . Applied and Environmental Microbiology, 2007, 73, 3480-3489.	1.4	56

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19	5S Clavam Biosynthetic Genes Are Located in Both the Clavam and Paralog Gene Clusters in <i>Streptomyces clavuligerus</i> . <i>Chemistry and Biology</i> , 2007, 14, 131-142.	6.2	32
20	Prediction and functional analysis of the replication origin of the linear plasmid pSCL2 in <i>Streptomyces clavuligerus</i> . <i>Canadian Journal of Microbiology</i> , 2006, 52, 293-300.	0.8	19
21	Expression of <i>ccaR</i> , Encoding the Positive Activator of Cephamycin C and Clavulanic Acid Production in <i>Streptomyces clavuligerus</i> , Is Dependent on <i>bldG</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 1529-1541.	1.4	52
22	Five Additional Genes Are Involved in Clavulanic Acid Biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 192-202.	1.4	48
23	The Paralogous Pairs of Genes Involved in Clavulanic Acid and Clavam Metabolite Biosynthesis Are Differently Regulated in <i>Streptomyces clavuligerus</i> . <i>Journal of Bacteriology</i> , 2004, 186, 6286-6297.	1.0	32
24	<i>Streptomyces clavuligerus</i> Has a Second Copy of the Proclavaminate Amidinohydrolase Gene. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 514-520.	1.4	23
25	Two Sets of Paralogous Genes Encode the Enzymes Involved in the Early Stages of Clavulanic Acid and Clavam Metabolite Biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 930-939.	1.4	49
26	Transcriptional and translational analysis of the <i>ccaR</i> gene from <i>Streptomyces clavuligerus</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 4137-4145.	0.7	20
27	Three unlinked gene clusters are involved in clavam metabolite biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Canadian Journal of Microbiology</i> , 2004, 50, 803-810.	0.8	29
28	Resistance to \hat{I}^2 -Lactamase Inhibitor Protein Does Not Parallel Resistance to Clavulanic Acid in TEM \hat{I}^2 -Lactamase Mutants. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3568-3573.	1.4	4
29	<i>Paenibacillus polymyxa</i> produces fusaricidin-type antifungal antibiotics active against <i>Leptosphaeria maculans</i> , the causative agent of blackleg disease of canola. <i>Canadian Journal of Microbiology</i> , 2002, 48, 159-169.	0.8	173
30	The positive activator of cephamycin C and clavulanic acid production in <i>Streptomyces clavuligerus</i> is mistranslated in a <i>bldA</i> mutant The GenBank accession number for the sequence reported in this paper is AF436078.. <i>Microbiology (United Kingdom)</i> , 2002, 148, 643-656.	0.7	41
31	Crystal structure and kinetic analysis of beta-lactamase inhibitor protein-II in complex with TEM-1 beta-lactamase. <i>Nature Structural Biology</i> , 2001, 8, 848-852.	9.7	82
32	Applications of Gene Replacement Technology to <i>Streptomyces clavuligerus</i> Strain Development for Clavulanic Acid Production. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2292-2297.	1.4	36
33	Construction and analysis of \hat{I}^2 -lactamase-inhibitory protein (BLIP) non-producer mutants of <i>Streptomyces clavuligerus</i> The GenBank accession number for the sequence determined in this work is M34538.. <i>Microbiology (United Kingdom)</i> , 2001, 147, 325-335.	0.7	17
34	Early Cephamycin Biosynthetic Genes Are Expressed from a Polycistronic Transcript in <i>Streptomyces clavuligerus</i> . <i>Journal of Bacteriology</i> , 2000, 182, 348-356.	1.0	15
35	Enzymes Catalyzing the Early Steps of Clavulanic Acid Biosynthesis Are Encoded by Two Sets of Paralogous Genes in <i>Streptomyces clavuligerus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 720-726.	1.4	40
36	Structure-Based Design Guides the Improved Efficacy of Deacylation Transition State Analogue Inhibitors of TEM-1 \hat{I}^2 -Lactamase. <i>Biochemistry</i> , 2000, 39, 5312-5321.	1.2	119

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37	Genes Specific for the Biosynthesis of Clavam Metabolites Antipodal to Clavulanic Acid Are Clustered with the Gene for Clavaminate Synthase 1 in <i>Streptomyces clavuligerus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1999, 43, 1215-1224.	1.4	50
38	Biosynthesis and molecular genetics of clavulanic acid. <i>Antonie Van Leeuwenhoek</i> , 1999, 75, 125-133.	0.7	73
39	A pathway-specific transcriptional activator regulates late steps of clavulanic acid biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Molecular Microbiology</i> , 1998, 27, 831-843.	1.2	71
40	β -Lactam synthetase: implications for β -lactamase evolution. <i>Chemical Communications</i> , 1998, , 2325-2326.	2.2	32
41	Investigation of the <i>Streptomyces clavuligerus</i> Cephamicin C Gene Cluster and Its Regulation by the CcaR Protein. <i>Journal of Bacteriology</i> , 1998, 180, 4068-4079.	1.0	82
42	Two small linear plasmids of <i>Streptomyces jumonjinensis</i> . <i>Canadian Journal of Microbiology</i> , 1997, 43, 633-638.	0.8	0
43	Transcriptional analysis and regulation of carnobacteriocin production in <i>Carnobacterium piscicola</i> LV17. <i>Gene</i> , 1997, 188, 271-277.	1.0	25
44	Comparative Genetics and Molecular Biology of β -Lactam Biosynthesis. <i>Drugs and the Pharmaceutical Sciences</i> , 1997, , 241-277.	0.1	9
45	A potent new mode of β -lactamase inhibition revealed by the 1.7 Å... X-ray crystallographic structure of the TEM-1-BLIP complex. <i>Nature Structural Biology</i> , 1996, 3, 290-297.	9.7	130
46	Giant linear plasmids of β -lactam antibiotic producing <i>Streptomyces</i> . <i>FEMS Microbiology Letters</i> , 1995, 131, 27-34.	0.7	22
47	Structural and kinetic characterization of a β -lactamase-inhibitor protein. <i>Nature</i> , 1994, 368, 657-660.	13.7	128
48	Cloning, sequencing and disruption of a gene from <i>Streptomyces clavuligerus</i> involved in clavulanic acid biosynthesis. <i>Gene</i> , 1994, 147, 41-46.	1.0	73
49	Transcriptional mapping of the genes encoding the early enzymes of the cephamycin biosynthetic pathway of <i>Streptomyces clavuligerus</i> . <i>Gene</i> , 1994, 142, 41-48.	1.0	26
50	Transcriptional analysis and heterologous expression of the gene encoding β -lactamase inhibitor protein (BLIP) from <i>Streptomyces clavuligerus</i> . <i>Gene</i> , 1994, 144, 31-36.	1.0	11
51	Transcriptional analysis of the isopenicillin N synthase-encoding gene of <i>Streptomyces clavuligerus</i> . <i>Gene</i> , 1992, 111, 77-84.	1.0	18
52	Molecular structure of the acyl-enzyme intermediate in β -lactam hydrolysis at 1.7 Å... resolution. <i>Nature</i> , 1992, 359, 700-705.	13.7	614
53	Production of <i>Streptomyces clavuligerus</i> isopenicillin N synthase in <i>Escherichia coli</i> using two-cistron expression systems. <i>Journal of Industrial Microbiology</i> , 1990, 5, 197-206.	0.9	29
54	Regulation of antibiotic production by iron and oxygen during defined medium fermentations of <i>Streptomyces clavuligerus</i> . <i>Applied Microbiology and Biotechnology</i> , 1989, 31, 390.	1.7	8

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55	Synthesis of the penicillin precursor, γ -(L- β -aminoadipyl)-L-cysteinyl-D-valine (ACV), by an immobilized enzyme preparation. <i>Applied Microbiology and Biotechnology</i> , 1989, 30, 111.	1.7	9
56	Production of the penicillin precursor γ -(L- β -aminoadipyl)-L-cysteinyl-D-valine (ACV) by cell-free extracts from <i>Streptomyces clavuligerus</i> . <i>FEMS Microbiology Letters</i> , 1988, 49, 213-218.	0.7	36
57	Biosynthesis of Cephalosporins. <i>Critical Reviews in Biotechnology</i> , 1985, 3, 277-301.	5.1	36
58	Prevention of phosphate inhibition of cephalosporin synthetases by ferrous ion. <i>FEMS Microbiology Letters</i> , 1984, 25, 75-79.	0.7	18
59	Production of penicillins and cephalosporins in an immobilized enzyme reactor. <i>Applied Microbiology and Biotechnology</i> , 1984, 20, 155-160.	1.7	21
60	Cephalosporin formation by cell-free extracts from <i>Streptomyces clavuligerus</i> . <i>Journal of Antibiotics</i> , 1982, 35, 1351-1360.	1.0	49
61	Cyclization of γ -(L- β -aminoadipyl)-L-cysteinyl-D-valine to penicillins by cell-free extracts of <i>Streptomyces clavuligerus</i> . <i>Journal of Antibiotics</i> , 1982, 35, 483-490.	1.0	79