Hideaki Nojiri

List of Publications by Year
in descending order

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163 papers	5,641 citations	61984 43 h-index	98798 67 g-index
164 all docs	164 docs citations	164 times ranked	4495 citing authors

#	Article	IF	Citations
1	Identification of a Biosynthetic Gene Cluster in Rice for Momilactones. Journal of Biological Chemistry, 2007, 282, 34013-34018.	3.4	258
2	Complete Nucleotide Sequence of Carbazole/Dioxin-degrading Plasmid pCAR1 in Pseudomonas resinovorans Strain CA10 Indicates its Mosaicity and the Presence of Large Catabolic Transposon Tn4676. Journal of Molecular Biology, 2003, 326, 21-33.	4.2	153
3	Diverse Oxygenations Catalyzed by Carbazole 1,9a-Dioxygenase from Pseudomonas sp. Strain CA10. Journal of Bacteriology, 1999, 181, 3105-3113.	2.2	143
4	OsTGAP1, a bZIP Transcription Factor, Coordinately Regulates the Inductive Production of Diterpenoid Phytoalexins in Rice. Journal of Biological Chemistry, 2009, 284, 26510-26518.	3.4	140
5	Involvement of the elicitor-induced gene OsWRKY53 in the expression of defense-related genes in rice. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2007, 1769, 497-505.	2.4	136
6	Elicitor induced activation of the methylerythritol phosphate pathway toward phytoalexins biosynthesis in rice. Plant Molecular Biology, 2007, 65, 177-187.	3.9	136
7	Identification of novel metabolites in the degradation of phenanthrene bySphingomonassp. strain P2. FEMS Microbiology Letters, 2000, 191, 115-121.	1.8	126
8	Synergistic degradation of pyrene by five culturable bacteria in a mangrove sediment-derived bacterial consortium. Journal of Hazardous Materials, 2018, 342, 561-570.	12.4	120
9	Degradation of Chlorinated Dibenzofurans and Dibenzo- p -Dioxins by Two Types of Bacteria Having Angular Dioxygenases with Different Features. Applied and Environmental Microbiology, 2001, 67, 3610-3617.	3.1	107
10	Genetic Characterization and Evolutionary Implications of a car Gene Cluster in the Carbazole Degrader Pseudomonas sp. Strain CA10. Journal of Bacteriology, 2001, 183, 3663-3679.	2.2	103
11	Molecular cloning and characterization of a cDNA encodingent-cassa-12,15-diene synthase, a putative diterpenoid phytoalexin biosynthetic enzyme, from suspension-cultured rice cells treated with a chitin elicitor. Plant Journal, 2004, 37, 1-8.	5.7	103
12	Overexpression of Phosphomimic Mutated OsWRKY53 Leads to Enhanced Blast Resistance in Rice. PLoS ONE, 2014, 9, e98737.	2.5	94
13	Single-Cell Analyses Revealed Transfer Ranges of IncP-1, IncP-7, and IncP-9 Plasmids in a Soil Bacterial Community. Applied and Environmental Microbiology, 2014, 80, 138-145.	3.1	87
14	Molecular Bases of Aerobic Bacterial Degradation of Dioxins: Involvement of Angular Dioxygenation. Bioscience, Biotechnology and Biochemistry, 2002, 66, 2001-2016.	1.3	86
15	Involvement of the Basic Helix-Loop-Helix Transcription Factor RERJ1 in Wounding and Drought Stress Responses in Rice Plants. Bioscience, Biotechnology and Biochemistry, 2005, 69, 1042-1044.	1.3	86
16	Structure of the Terminal Oxygenase Component of Angular Dioxygenase, Carbazole 1,9a-Dioxygenase. Journal of Molecular Biology, 2005, 351, 355-370.	4.2	86
17	Crystal Structure of the Terminal Oxygenase Component of Cumene Dioxygenase from Pseudomonas fluorescens IP01. Journal of Bacteriology, 2005, 187, 2483-2490.	2.2	85
18	Sphingomonassp. strain KA1, carrying a carbazole dioxygenase gene homologue, degrades chlorinated dibenzo-p-dioxins in soil. FEMS Microbiology Letters, 2002, 211, 43-49.	1.8	83

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19	Characterization of the Replication, Maintenance, and Transfer Features of the IncP-7 Plasmid pCAR1, Which Carries Genes Involved in Carbazole and Dioxin Degradation. Applied and Environmental Microbiology, 2006, 72, 3206-3216.	3.1	80
20	Isolation and Characterization of the Genes Encoding a Novel Oxygenase Component of Angular Dioxygenase from the Gram-Positive Dibenzofuran-Degrader Terrabacter sp. Strain DBF63. Biochemical and Biophysical Research Communications, 2001, 283, 195-204.	2.1	79
21	Purification and Characterization of Carbazole 1,9a-Dioxygenase, a Three-Component Dioxygenase System of Pseudomonas resinovorans Strain CA10. Applied and Environmental Microbiology, 2002, 68, 5882-5890.	3.1	76
22	Evolutionary trajectory of phytoalexin biosynthetic gene clusters in rice. Plant Journal, 2016, 87, 293-304.	5.7	76
23	Genomic evidence for convergent evolution of gene clusters for momilactone biosynthesis in land plants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12472-12480.	7.1	73
24	Overexpression of the bZIP transcription factor OsbZIP79 suppresses the production of diterpenoid phytoalexin in rice cells. Journal of Plant Physiology, 2015, 173, 19-27.	3.5	70
25	Bacterial degradation of aromatic compounds via angular dioxygenation.. Journal of General and Applied Microbiology, 2001, 47, 279-305.	0.7	66
26	Transcriptional Regulation of the ant Operon, Encoding Two-Component Anthranilate 1,2-Dioxygenase, on the Carbazole-Degradative Plasmid pCAR1 of Pseudomonas resinovorans Strain CA10. Journal of Bacteriology, 2004, 186, 6815-6823.	2.2	66
27	Effects of a bile acid elicitor, cholic acid, on the biosynthesis of diterpenoid phytoalexins in suspension-cultured rice cells. Phytochemistry, 2008, 69, 973-981.	2.9	66
28	Electron Transfer Complex Formation between Oxygenase and Ferredoxin Components in Rieske Nonheme Iron Oxygenase System. Structure, 2006, 14, 1779-1789.	3.3	65
29	Cloning and characterization of genes encoding an enzyme which oxidizes dimethyl sulfide in Acinetobacter sp. strain 20B. FEMS Microbiology Letters, 2006, 155, 99-105.	1.8	64
30	Response of the Pseudomonas host chromosomal transcriptome to carriage of the IncPâ€7 plasmid pCAR1. Environmental Microbiology, 2010, 12, 1413-1426.	3.8	62
31	RERJ1, a jasmonic acid-responsive gene from rice, encodes a basic helixâ€“loopâ€“helix protein. Biochemical and Biophysical Research Communications, 2004, 325, 857-863.	2.1	60
32	Structural and Molecular Genetic Analyses of the Bacterial Carbazole Degradation System. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1-18.	1.3	59
33	OsJAR1 Contributes Mainly to Biosynthesis of the Stress-Induced Jasmonoyl-Isoleucine Involved in Defense Responses in Rice. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1556-1564.	1.3	59
34	Characterization of Novel Carbazole Catabolism Genes from Gram-Positive Carbazole Degrader Nocardioides aromaticivorans IC177. Applied and Environmental Microbiology, 2006, 72, 3321-3329.	3.1	58
35	Transcriptome Analysis ofPseudomonas putidaKT2440 Harboring the Completely Sequenced IncP-7 Plasmid pCAR1. Journal of Bacteriology, 2007, 189, 6849-6860.	2.2	58
36	Recipient Range of IncP-7 Conjugative Plasmid pCAR2 from Pseudomonas putida HS01 is Broader than from Other Pseudomonas Strains. Biotechnology Letters, 2005, 27, 1847-1853.	2.2	57

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37	Diversity of carbazole-degrading bacteria having thecargene cluster: Isolation of a novel gram-positive carbazole-degrading bacterium. FEMS Microbiology Letters, 2005, 245, 145-153.	1.8	56
38	The Sphingomonas Plasmid pCAR3 Is Involved in Complete Mineralization of Carbazole. Journal of Bacteriology, 2007, 189, 2007-2020.	2.2	55
39	OsMYC2, an essential factor for JA-inductive sakuranetin production in rice, interacts with MYC2-like proteins that enhance its transactivation ability. Scientific Reports, 2017, 7, 40175.	3.3	55
40	Pmr, a Histone-Like Protein H1 (H-NS) Family Protein Encoded by the IncP-7 Plasmid pCAR1, Is a Key Global Regulator That Alters Host Function. Journal of Bacteriology, 2010, 192, 4720-4731.	2.2	53
41	Genes involved in the synthesis of the exopolysaccharide methanolan by the obligate methylotroph Methylobacillus sp. strain 12S. Microbiology (United Kingdom), 2003, 149, 431-444.	1.8	49
42	Divergent Structures of Carbazole DegradativecarOperons Isolated from Gram-negative Bacteria. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1467-1480.	1.3	48
43	Nucleoid-associated proteins encoded on plasmids: Occurrence and mode of function. Plasmid, 2015, 80, 32-44.	1.4	48
44	Large plasmid pCAR2 and class II transposon Tn4676 are functional mobile genetic elements to distribute the carbazole/dioxin-degradative car gene cluster in different bacteria. Applied Microbiology and Biotechnology, 2005, 67, 370-382.	3.6	45
45	Suppressive effect of abscisic acid on systemic acquired resistance in tobacco plants. Journal of General Plant Pathology, 2010, 76, 161-167.	1.0	43
46	Distribution of Genes Encoding Nucleoid-Associated Protein Homologs in Plasmids. International Journal of Evolutionary Biology, 2011, 2011, 1-30.	1.0	43
47	Characterization of the Upper Pathway Genes for Fluorene Metabolism in Terrabacter sp. Strain DBF63. Journal of Bacteriology, 2004, 186, 5938-5944.	2.2	42
48	Plasmid pCAR3 Contains Multiple Gene Sets Involved in the Conversion of Carbazole to Anthranilate. Applied and Environmental Microbiology, 2006, 72, 3198-3205.	3.1	42
49	Structural insight into the substrate- and dioxygen-binding manner in the catalytic cycle of rieske nonheme iron oxygenase system, carbazole 1,9a-dioxygenase. BMC Structural Biology, 2012, 12, 15.	2.3	41
50	Crystal structure of the ferredoxin component of carbazole 1,9a-dioxygenase of Pseudomonas resinovorans strain CA10, a novel Rieske non-heme iron oxygenase system. Proteins: Structure, Function and Bioinformatics, 2005, 58, 779-789.	2.6	40
51	Transcriptional mechanisms for differential expression of outer membrane cytochrome genes omcA and mtrC in Shewanella oneidensis MR-1. BMC Microbiology, 2015, 15, 68.	3.3	40
52	The Behavior and Significance of Degradative Plasmids Belonging to Inc Groups in <i>Pseudomonas</i> within Natural Environments and Microcosms. Microbes and Environments, 2010, 25, 253-265.	1.6	39
53	Identification of an E-box motif responsible for the expression of jasmonic acid-induced chitinase gene OsChia4a in rice. Journal of Plant Physiology, 2012, 169, 621-627.	3.5	39
54	Modulation of primary cell function of host <scp>P</scp>seudomonas bacteria by the conjugative plasmid <scp>pCAR</scp>1. Environmental Microbiology, 2015, 17, 134-155.	3.8	38

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55	Dioxin catabolic genes are dispersed on the Terrabacter sp. DBF63 genome. Biochemical and Biophysical Research Communications, 2002, 296, 233-240.	2.1	37
56	Isolation and characterization of genes encoding polycyclic aromatic hydrocarbon dioxygenase from acenaphthene and acenaphthylene degradingSphingomonassp. strain A4. FEMS Microbiology Letters, 2004, 238, 297-305.	1.8	37
57	Conjugative transfer of the IncP-7 carbazole degradative plasmid, pCAR1, in river water samples. Biotechnology Letters, 2007, 30, 117-122.	2.2	36
58	Effects of environmental factors and coexisting substrates on PAH degradation and transcriptomic responses of the defined bacterial consortium OPK. Environmental Pollution, 2021, 277, 116769.	7.5	36
59	Crystal structure of a histidine-tagged serine hydrolase involved in the carbazole degradation (CarC) Tj ETQq1 1 0.784314 rgBT /Overlo	2.1	34
60	A CysB-regulated and Ïƒ54-dependent regulator, SfnR, is essential for dimethyl sulfone metabolism of Pseudomonas putida strain DS1. Microbiology (United Kingdom), 2003, 149, 991-1000.	1.8	34
61	Organization and Transcriptional Characterization of Catechol Degradation Genes Involved in Carbazole Degradation byPseudomonas resinovoransStrain CA10. Bioscience, Biotechnology and Biochemistry, 2002, 66, 897-901.	1.3	33
62	Preparation and Biological Activity of Molecular Probes to Identify and Analyze Jasmonic Acid-binding Proteins. Bioscience, Biotechnology and Biochemistry, 2004, 68, 1461-1466.	1.3	33
63	The fluorene catabolic linear plasmid in Terrabacter sp. strain DBF63 carries the Î²-ketoadipate pathway genes, pcaRHGBDCFIJ, also found in proteobacteria. Microbiology (United Kingdom), 2005, 151, 3713-3722.	1.8	33
64	Identification of Target Genes of the bZIP Transcription Factor OsTGAP1, Whose Overexpression Causes Elicitor-Induced Hyperaccumulation of Diterpenoid Phytoalexins in Rice Cells. PLoS ONE, 2014, 9, e105823.	2.5	33
65	Title is missing!. Biotechnology Letters, 2002, 24, 2099-2106.	2.2	32
66	The Complete Nucleotide Sequence of pCAR2: pCAR2 and pCAR1 Were Structurally Identical IncP-7 Carbazole Degradative Plasmids. Bioscience, Biotechnology and Biochemistry, 2009, 73, 744-746.	1.3	32
67	Inhibition of Pseudomonas aeruginosa Swarming Motility by 1-Naphthol and Other Bicyclic Compounds Bearing Hydroxyl Groups. Applied and Environmental Microbiology, 2015, 81, 2808-2818.	3.1	32
68	High-resolution mapping of plasmid transcriptomes in different host bacteria. BMC Genomics, 2009, 10, 12.	2.8	31
69	HpDTC1, a Stress-Inducible Bifunctional Diterpene Cyclase Involved in Momilactone Biosynthesis, Functions in Chemical Defence in the Moss Hypnum plumaeforme. Scientific Reports, 2016, 6, 25316.	3.3	31
70	Impact of catabolic plasmids on host cell physiology. Current Opinion in Biotechnology, 2013, 24, 423-430.	6.6	30
71	Specific Interactions between the Ferredoxin and Terminal Oxygenase Components of a Class IIB Rieske Nonheme Iron Oxygenase, Carbazole 1,9a-Dioxygenase. Journal of Molecular Biology, 2009, 392, 436-451.	4.2	28
72	OsMYC2 mediates numerous defence-related transcriptional changes via jasmonic acid signalling in rice. Biochemical and Biophysical Research Communications, 2017, 486, 796-803.	2.1	28

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73	Stress-induced expression of the transcription factor RERJ1 is tightly regulated in response to jasmonic acid accumulation in rice. Protoplasma, 2013, 250, 241-249.	2.1	24
74	Characterization of bacterial community structure in a hydrocarbon-contaminated tropical African soil. Environmental Technology (United Kingdom), 2018, 39, 939-951.	2.2	24
75	Rhizospheric plant-microbe synergistic interactions achieve efficient arsenic phytoextraction by Pteris vittata. Journal of Hazardous Materials, 2022, 434, 128870.	12.4	24
76	Effects of cytokinin on production of diterpenoid phytoalexins in rice. Journal of Pesticide Sciences, 2010, 35, 412-418.	1.4	23
77	MvaT Family Proteins Encoded on IncP-7 Plasmid pCAR1 and the Host Chromosome Regulate the Host Transcriptome Cooperatively but Differently. Applied and Environmental Microbiology, 2016, 82, 832-842.	3.1	23
78	OsTGAP1 is responsible for JAâ€inducible diterpenoid phytoalexin biosynthesis in rice roots with biological impacts on allelopathic interaction. Physiologia Plantarum, 2017, 161, 532-544.	5.2	23
79	Differentiation of Carbazole Catabolic Operons by Replacement of the Regulated Promoter via Transposition of an Insertion Sequence*. Journal of Biological Chemistry, 2006, 281, 8450-8457.	3.4	22
80	Carbazole-Degradative IncP-7 Plasmid pCAR1.2 Is Structurally Unstable in Pseudomonas fluorescens Pf0-1, Which Accumulates Catechol, the Intermediate of the Carbazole Degradation Pathway. Applied and Environmental Microbiology, 2009, 75, 3920-3929.	3.1	22
81	Evolution of the IncP-7 carbazole-degradative plasmid pCAR1 improves survival of its host Pseudomonas fluorescens Pf0-1 in artificial water microcosms. Microbiology (United Kingdom), 2011, 157, 2276-2286.	1.8	22
82	The Ïƒ54-dependent transcriptional activator SfnR regulates the expression of the Pseudomonas putida sfnFG operon responsible for dimethyl sulphone utilization. Molecular Microbiology, 2004, 55, 897-911.	2.5	21
83	Transcription Factors CysB and SfnR Constitute the Hierarchical Regulatory System for the Sulfate Starvation Response inPseudomonas putida. Journal of Bacteriology, 2008, 190, 4521-4531.	2.2	21
84	Purification and Characterization ofmeta-Cleavage Compound Hydrolase from a Carbazole DegraderPseudomonas resinovoransStrain CA10. Bioscience, Biotechnology and Biochemistry, 2003, 67, 36-45.	1.3	20
85	Behavior of Various Hosts of the IncP-7 Carbazole-Degradative Plasmid pCAR1 in Artificial Microcosms. Bioscience, Biotechnology and Biochemistry, 2010, 74, 343-349.	1.3	20
86	Effects of Three Different Nucleoid-Associated Proteins Encoded on IncP-7 Plasmid pCAR1 on Host Pseudomonas putida KT2440. Applied and Environmental Microbiology, 2015, 81, 2869-2880.	3.1	20
87	Expression, Purification, and Characterization of 2â€²-Aminobiphenyl-2,3-diol 1,2-dioxygenase from Carbazole-degraderPseudomonas resinovoransStrain CA10. Bioscience, Biotechnology and Biochemistry, 2003, 67, 300-307.	1.3	19
88	The rice wound-inducible transcription factor RERJ1 sharing same signal transduction pathway with OsMYC2 is necessary for defense response to herbivory and bacterial blight. Plant Molecular Biology, 2022, 109, 651-666.	3.9	19
89	<scp>ParI</scp>, an orphan <scp>ParA</scp> family protein from <scp>P</scp>seudomonas putidaâ€…<scp>KT</scp>2440â€specific genomic island, interferes with the partition system of <scp>IncP</scp>â€7 plasmids. Environmental Microbiology, 2012, 14, 2946-2959.	3.8	18
90	Crystallization and preliminary X-ray diffraction analysis of the electron-transfer complex between the terminal oxygenase component and ferredoxin in the Rieske non-haem iron oxygenase system carbazole 1,9a-dioxygenase. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 577-580.	0.7	17

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91	Alterations of RNA maps of IncP-7 plasmid pCAR1 in various Pseudomonas bacteria. Plasmid, 2011, 66, 85-92.	1.4	17
92	Behavior of the IncP-7 carbazole-degradative plasmid pCAR1 in artificial environmental samples. Applied Microbiology and Biotechnology, 2008, 80, 485-97.	3.6	16
93	Transcriptional regulation of the sulfate-starvation-induced gene sfnA by a Ïƒ 54-dependent activator of Pseudomonas putida. Microbiology (United Kingdom), 2007, 153, 3091-3098.	1.8	15
94	Carbazole/dioxin-degrading car gene cluster is located on the chromosome of Pseudomonas stutzeri strain OM1 in a form different from the simple transposition of Tn4676. Biotechnology Letters, 2003, 25, 1255-1261.	2.2	14
95	Marinobacterium sp. strain DMS-S1 uses dimethyl sulphide as a sulphur source after light-dependent transformation by excreted flavins. Environmental Microbiology, 2003, 5, 503-509.	3.8	14
96	Functional and transcriptional analyses of the initial oxygenase genes for acenaphthene degradation from Sphingomonas sp. strain A4. Microbiology (United Kingdom), 2006, 152, 2455-2467.	1.8	14
97	In planta functions of cytochrome P450 monooxygenase genes in the phytocassane biosynthetic gene cluster on rice chromosome 2. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1021-1030.	1.3	14
98	Characterization of [3Fe-4S] ferredoxin DbfA3, which functions in the angular dioxygenase system of Terrabacter sp. strain DBF63. Applied Microbiology and Biotechnology, 2005, 68, 336-345.	3.6	13
99	Cloning of dfdA genes from Terrabacter sp. strain DBF63 encoding dibenzofuran 4,4a-dioxygenase and heterologous expression in Streptomyces lividans. Applied Microbiology and Biotechnology, 2013, 97, 4485-4498.	3.6	13
100	Carbazole Metabolism by Pseudomonads. , 2007, , 107-145.		13
101	Incorporation of Plasmid DNA Into Bacterial Membrane Vesicles by Peptidoglycan Defects in Escherichia coli. Frontiers in Microbiology, 2021, 12, 747606.	3.5	13
102	Oxidation of dimethyl sulfide by various aromatic compound oxygenases from bacteria. Biotechnology Letters, 1999, 21, 929-933.	2.2	12
103	Genetic characterization of the dibenzofuran-degrading Actinobacteria carrying thedbfA1A2gene homologues isolated from activated sludge. FEMS Microbiology Letters, 2004, 239, 147-155.	1.8	12
104	Oligomerization and DNA-Binding Capacity of Pmr, a Histone-Like Protein H1 (H-NS) Family Protein Encoded on IncP-7 Carbazole-Degradative Plasmid pCAR1. Bioscience, Biotechnology and Biochemistry, 2011, 75, 711-717.	1.3	12
105	Complete Genome Sequence of the Carbazole Degrader Pseudomonas resinovorans Strain CA10 (NBRC) Tj ETQq1 1 0.784314 rgBT /Ov	0.8	12
106	Structural Basis of the Divergent Oxygenation Reactions Catalyzed by the Rieske Nonheme Iron Oxygenase Carbazole 1,9a-Dioxygenase. Applied and Environmental Microbiology, 2014, 80, 2821-2832.	3.1	12
107	Structural similarities and differences in Hâ€<scp>NS</scp> family proteins revealed by the Nâ€terminal structure of TurB in Pseudomonas putida <scp>KT</scp>2440. FEBS Letters, 2016, 590, 3583-3594.	2.8	12
108	Oligomerization Mechanisms of an H-NS Family Protein, Pmr, Encoded on the Plasmid pCAR1 Provide a Molecular Basis for Functions of H-NS Family Members. PLoS ONE, 2014, 9, e105656.	2.5	12

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109	Title is missing!. Biotechnology Letters, 1999, 21, 259-264.	2.2	11
110	TheptsPgene encoding the PTS family protein EI^{Ntr}is essential for dimethyl sulfone utilization byPseudomonas putida. FEMS Microbiology Letters, 2007, 275, 175-181.	1.8	11
111	Growth phase-dependent expression profiles of three vital H-NS family proteins encoded on the chromosome of Pseudomonas putida KT2440 and on the pCAR1 plasmid. BMC Microbiology, 2017, 17, 188.	3.3	11
112	Light Response of Pseudomonas putida KT2440 Mediated by Class II LitR, a Photosensor Homolog. Journal of Bacteriology, 2020, 202, .	2.2	11
113	Polypeptide Requirement of Multicomponent Monooxygenase DsoABCDEF for Dimethyl Sulfide Oxidizing Activity. Bioscience, Biotechnology and Biochemistry, 1999, 63, 1765-1771.	1.3	10
114	Mobile Genetic Elements (MGEs) Carrying Catabolic Genes. , 2013, , 167-214.		10
115	Crystallization and preliminary X-ray diffraction studies of the ferredoxin reductase component in the Rieske nonhaem iron oxygenase system carbazole 1,9a-dioxygenase. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 499-502.	0.7	9
116	Alteration of the Substrate Specificity of the Angular Dioxygenase Carbazole 1,9a-Dioxygenase. Bioscience, Biotechnology and Biochemistry, 2008, 72, 3237-3248.	1.3	9
117	DNA rearrangement has occurred in the carbazole-degradative plasmid pCAR1 and the chromosome of its unsuitable host, Pseudomonas fluorescens Pf0-1. Microbiology (United Kingdom), 2011, 157, 3405-3416.	1.8	9
118	Divalent cations increase the conjugation efficiency of the incompatibility P-7 group plasmid pCAR1 among different Pseudomonas hosts. Microbiology (United Kingdom), 2018, 164, 20-27.	1.8	9
119	Crystallization and preliminary crystallographic analysis of the terminal oxygenase component of carbazole 1,9a-dioxygenase of Pseudomonas resinovorans strain CA10. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1350-1352.	2.5	8
120	Purification and partial characterization of the extradiol dioxygenase, 2â€²-carboxy-2,3-dihydroxybiphenyl 1,2-dioxygenase, in the fluorene degradation pathway from Rhodococcus sp. strain DFA3. Bioscience, Biotechnology and Biochemistry, 2016, 80, 719-725.	1.3	8
121	Proteome and acylome analyses of the functional interaction network between the carbazoleâ€degradative plasmid pCAR1 and host Pseudomonas putida KT2440. Environmental Microbiology Reports, 2018, 10, 299-309.	2.4	8
122	Comparisons of the transferability of plasmids pCAR1, pB10, R388, and NAH7 among Pseudomonas putida at different cell densities. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1020-1023.	1.3	7
123	Conjugative Selectivity of Plasmids Is Affected by Coexisting Recipient Candidates. MSphere, 2018, 3, .	2.9	7
124	Complete Genome Sequence of an Anaerobic Benzene-Degrading Bacterium, Azoarcus sp. Strain DN11. Microbiology Resource Announcements, 2019, 8, .	0.6	7
125	Fluviispira sanaruensis sp., nov., Isolated from a Brackish Lake in Hamamatsu, Japan. Current Microbiology, 2021, 78, 3268-3276.	2.2	7
126	Removal of polycyclic aromatic hydrocarbons from oil-contaminated Kuwaiti soil. Biotechnology Letters, 2000, 22, 687-691.	2.2	6

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127	Crystallization and preliminary X-ray diffraction studies of the terminal oxygenase component of carbazole 1,9a-dioxygenase fromNocardioides aromaticivoransIC177. Acta Crystallographica Section F: Structural Biology Communications, 2006, 62, 1212-1214.	0.7	6
128	Effects of carbazoleâ€degradative plasmid <scp>pCAR1</scp> on biofilm morphology in Pseudomonas putidaâ€...<scp>KT</scp>2440. Environmental Microbiology Reports, 2016, 8, 261-271.	2.4	6
129	Differential protein-protein binding affinities of H-NS family proteins encoded on the chromosome of Pseudomonas putida KT2440 and IncP-7 plasmid pCAR1. Bioscience, Biotechnology and Biochemistry, 2018, 82, 1640-1646.	1.3	6
130	Ecological impact assessment of a bioaugmentation site on remediation of chlorinated ethylenes by multi-omics analysis. Journal of General and Applied Microbiology, 2019, 65, 225-233.	0.7	6
131	Biotransformation of Monocyclic Phenolic Compounds by Bacillus licheniformis TAB7. Microorganisms, 2020, 8, 26.	3.6	6
132	Crystallization and preliminary crystallographic analysis of the ferredoxin component of carbazole 1,9a-dioxygenase fromNocardioides aromaticivoransIC177. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 855-857.	0.7	5
133	Crystallization and preliminary X-ray diffraction studies of a novel ferredoxin involved in the dioxygenation of carbazole byNovosphingobiumsp. KA1. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 632-635.	0.7	5
134	Complete Genome Sequence of a Dimethyl Sulfide-Utilizing Bacterium, Acinetobacter guillouiae Strain 20B (NBRC 110550). Genome Announcements, 2014, 2, .	0.8	5
135	Thermophilic bacteria are potential sources of novel Rieske non-heme iron oxygenases. AMB Express, 2017, 7, 17.	3.0	5
136	Biochemical synthesis of uniformly 13C-labeled diterpene hydrocarbons and their bioconversion to diterpenoid phytoalexins in planta. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1176-1184.	1.3	5
137	Complete Genome Sequence of the Marine Carbazole-Degrading Bacterium Erythrobacter sp. Strain KY5. Microbiology Resource Announcements, 2018, 7, .	0.6	5
138	Complete Genome Sequence of Thalassococcus sp. Strain S3, a Marine Roseobacter Clade Member Capable of Degrading Carbazole. Microbiology Resource Announcements, 2019, 8, .	0.6	5
139	A Novel Small RNA on the Pseudomonas putida KT2440 Chromosome Is Involved in the Fitness Cost Imposed by IncP-1 Plasmid RP4. Frontiers in Microbiology, 2020, 11, 1328.	3.5	5
140	Catabolic Plasmids Involved in the Degradation of Polycyclic Aromatic Hydrocarbons and Heteroaromatic Compounds. Microbiology Monographs, 2009, , 55-87.	0.6	5
141	Identification of novel metabolites in the degradation of phenanthrene by Sphingomonas sp. strain P2. FEMS Microbiology Letters, 2000, 191, 115-121.	1.8	5
142	Crystallization and preliminary X-ray diffraction studies of a ferredoxin reductase component of carbazole 1,9a-dioxygenase fromNovosphingobiumsp. KA1. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 712-714.	0.7	4
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