

# 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	The rice wound-inducible transcription factor RERJ1 sharing same signal transduction pathway with OsMYC2 is necessary for defense response to herbivory and bacterial blight. <i>Plant Molecular Biology</i> , 2022, 109, 651-666.	3.9	19
2	A toxin-antitoxin system confers stability to the IncP-7 plasmid pCAR1. <i>Gene</i> , 2022, 812, 146068.	2.2	4
3	Precise classification of antimicrobial resistance-associated IncP-2 megaplasmids for molecular epidemiological studies on <i>Pseudomonas</i> species. <i>Journal of Antimicrobial Chemotherapy</i> , 2022, 77, 1202-1204.	3.0	4
4	Rhizospheric plant-microbe synergistic interactions achieve efficient arsenic phytoextraction by <i>Pteris vittata</i> . <i>Journal of Hazardous Materials</i> , 2022, 434, 128870.	12.4	24
5	The $\alpha$ - and $\beta$ -Subunit Boundary at the Stem of the Mushroom-Like $\alpha_3\beta_3$ -Type Oxygenase Component of Rieske Non-Heme Iron Oxygenases Is the Rieske-Type Ferredoxin-Binding Site. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	3
6	Genome-wide screening of genes associated with momilactone B sensitivity in the fission yeast <i>Schizosaccharomyces pombe</i> . <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	2
7	A Novel Gene Cluster Is Involved in the Degradation of Lignin-Derived Monoaromatics in <i>Thermus oshimai</i> JL-2. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	4
8	Effects of environmental factors and coexisting substrates on PAH degradation and transcriptomic responses of the defined bacterial consortium OPK. <i>Environmental Pollution</i> , 2021, 277, 116769.	7.5	36
9	Azoxystrobin amine: A novel azoxystrobin degradation product from <i>Bacillus licheniformis</i> strain TAB7. <i>Chemosphere</i> , 2021, 273, 129663.	8.2	3
10	Crystal structure of the ferredoxin reductase component of carbazole 1,9a-dioxygenase from <i>Janthinobacterium</i> sp. J3. <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 921-932.	2.3	1
11	<i>Fluviispira sanaruensis</i> sp., nov., Isolated from a Brackish Lake in Hamamatsu, Japan. <i>Current Microbiology</i> , 2021, 78, 3268-3276.	2.2	7
12	Oxygen concentration affects frequency and range of transconjugants for the incompatibility (Inc) P-1 and P-7 plasmids pBP136 and pCAR1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 1005-1015.	1.3	1
13	Deciphering OPDA Signaling Components in the Momilactone-Producing Moss. <i>Frontiers in Plant Science</i> , 2021, 12, 688565.	3.6	1
14	Incorporation of Plasmid DNA Into Bacterial Membrane Vesicles by Peptidoglycan Defects in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 747606.	3.5	13
15	Biotransformation of Monocyclic Phenolic Compounds by <i>Bacillus licheniformis</i> TAB7. <i>Microorganisms</i> , 2020, 8, 26.	3.6	6
16	Light Response of <i>Pseudomonas putida</i> KT2440 Mediated by Class II LitR, a Photosensor Homolog. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	11
17	H-NS Family Proteins Drastically Change Their Targets in Response to the Horizontal Transfer of the Catabolic Plasmid pCAR1. <i>Frontiers in Microbiology</i> , 2020, 11, 1099.	3.5	4
18	Genomic evidence for convergent evolution of gene clusters for momilactone biosynthesis in land plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12472-12480.	7.1	73

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19	A Novel Small RNA on the <i>Pseudomonas putida</i> KT2440 Chromosome Is Involved in the Fitness Cost Imposed by IncP-1 Plasmid RP4. <i>Frontiers in Microbiology</i> , 2020, 11, 1328.	3.5	5
20	Complete Genome Sequence of <i>Thalassococcus</i> sp. Strain S3, a Marine <i>Roseobacter</i> Clade Member Capable of Degrading Carbazole. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	5
21	Complete Genome Sequence of <i>Bacillus licheniformis</i> TAB7, a Compost-Deodorizing Strain with Potential for Plant Growth Promotion. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	4
22	Complete Genome Sequence of an Anaerobic Benzene-Degrading Bacterium, <i>Azoarcus</i> sp. Strain DN11. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	7
23	Ecological impact assessment of a bioaugmentation site on remediation of chlorinated ethylenes by multi-omics analysis. <i>Journal of General and Applied Microbiology</i> , 2019, 65, 225-233.	0.7	6
24	Proteome and acylome analyses of the functional interaction network between the carbazole-degradative plasmid pCAR1 and host <i>Pseudomonas putida</i> KT2440. <i>Environmental Microbiology Reports</i> , 2018, 10, 299-309.	2.4	8
25	Characterization of bacterial community structure in a hydrocarbon-contaminated tropical African soil. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 939-951.	2.2	24
26	Synergistic degradation of pyrene by five culturable bacteria in a mangrove sediment-derived bacterial consortium. <i>Journal of Hazardous Materials</i> , 2018, 342, 561-570.	12.4	120
27	<i>In planta</i> functions of cytochrome P450 monooxygenase genes in the phytocassane biosynthetic gene cluster on rice chromosome 2. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1021-1030.	1.3	14
28	Conjugative Selectivity of Plasmids Is Affected by Coexisting Recipient Candidates. <i>MSphere</i> , 2018, 3, .	2.9	7
29	Complete Genome Sequence of the Marine Carbazole-Degrading Bacterium <i>Erythrobacter</i> sp. Strain KY5. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	5
30	Differential protein-protein binding affinities of H-NS family proteins encoded on the chromosome of <i>Pseudomonas putida</i> KT2440 and IncP-7 plasmid pCAR1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1640-1646.	1.3	6
31	Divalent cations increase the conjugation efficiency of the incompatibility P-7 group plasmid pCAR1 among different <i>Pseudomonas</i> hosts. <i>Microbiology (United Kingdom)</i> , 2018, 164, 20-27.	1.8	9
32	Thermophilic bacteria are potential sources of novel Rieske non-heme iron oxygenases. <i>AMB Express</i> , 2017, 7, 17.	3.0	5
33	OsMYC2, an essential factor for JA-inductive sakuranetin production in rice, interacts with MYC2-like proteins that enhance its transactivation ability. <i>Scientific Reports</i> , 2017, 7, 40175.	3.3	55
34	Biochemical synthesis of uniformly <sup>13</sup> C-labeled diterpene hydrocarbons and their bioconversion to diterpenoid phytoalexins in planta. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017, 81, 1176-1184.	1.3	5
35	OsMYC2 mediates numerous defence-related transcriptional changes via jasmonic acid signalling in rice. <i>Biochemical and Biophysical Research Communications</i> , 2017, 486, 796-803.	2.1	28
36	OsTGAP1 is responsible for JA-inducible diterpenoid phytoalexin biosynthesis in rice roots with biological impacts on allelopathic interaction. <i>Physiologia Plantarum</i> , 2017, 161, 532-544.	5.2	23

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37	Growth phase-dependent expression profiles of three vital H-NS family proteins encoded on the chromosome of <i>Pseudomonas putida</i> KT2440 and on the pCAR1 plasmid. <i>BMC Microbiology</i> , 2017, 17, 188.	3.3	11
38	Effects of carbazole-degradative plasmid pCAR1 on biofilm morphology in <i>Pseudomonas putida</i> KT2440. <i>Environmental Microbiology Reports</i> , 2016, 8, 261-271.	2.4	6
39	HpDTC1, a Stress-Inducible Bifunctional Diterpene Cyclase Involved in Momilactone Biosynthesis, Functions in Chemical Defence in the Moss <i>Hypnum plumaforme</i> . <i>Scientific Reports</i> , 2016, 6, 25316.	3.3	31
40	Structural similarities and differences in H-NS family proteins revealed by the N-terminal structure of TurB in <i>Pseudomonas putida</i> KT2440. <i>FEBS Letters</i> , 2016, 590, 3583-3594.	2.8	12
41	Evolutionary trajectory of phytoalexin biosynthetic gene clusters in rice. <i>Plant Journal</i> , 2016, 87, 293-304.	5.7	76
42	Purification and partial characterization of the extradiol dioxygenase, 2-carboxy-2,3-dihydroxybiphenyl 1,2-dioxygenase, in the fluorene degradation pathway from <i>Rhodococcus</i> sp. strain DFA3. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 719-725.	1.3	8
43	Comparisons of the transferability of plasmids pCAR1, pB10, R388, and NAH7 among <i>Pseudomonas putida</i> at different cell densities. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 1020-1023.	1.3	7
44	MvaT Family Proteins Encoded on IncP-7 Plasmid pCAR1 and the Host Chromosome Regulate the Host Transcriptome Cooperatively but Differently. <i>Applied and Environmental Microbiology</i> , 2016, 82, 832-842.	3.1	23
45	A Basic Introduction to Aerobic Biodegradation of Petroleum Aromatic Compounds. , 2015, , 5.1.5-1-5.1.5-18.		0
46	Effects of Three Different Nucleoid-Associated Proteins Encoded on IncP-7 Plasmid pCAR1 on Host <i>Pseudomonas putida</i> KT2440. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2869-2880.	3.1	20
47	Nucleoid-associated proteins encoded on plasmids: Occurrence and mode of function. <i>Plasmid</i> , 2015, 80, 32-44.	1.4	48
48	Transcriptional mechanisms for differential expression of outer membrane cytochrome genes <i>omcA</i> and <i>mtrC</i> in <i>Shewanella oneidensis</i> MR-1. <i>BMC Microbiology</i> , 2015, 15, 68.	3.3	40
49	Inhibition of <i>Pseudomonas aeruginosa</i> Swarming Motility by 1-Naphthol and Other Bicyclic Compounds Bearing Hydroxyl Groups. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2808-2818.	3.1	32
50	Modulation of primary cell function of host <i>Pseudomonas</i> bacteria by the conjugative plasmid pCAR1. <i>Environmental Microbiology</i> , 2015, 17, 134-155.	3.8	38
51	Overexpression of the bZIP transcription factor OsbZIP79 suppresses the production of diterpenoid phytoalexin in rice cells. <i>Journal of Plant Physiology</i> , 2015, 173, 19-27.	3.5	70
52	Identification of Target Genes of the bZIP Transcription Factor OsTGAP1, Whose Overexpression Causes Elicitor-Induced Hyperaccumulation of Diterpenoid Phytoalexins in Rice Cells. <i>PLoS ONE</i> , 2014, 9, e105823.	2.5	33
53	Complete Genome Sequence of a Dimethyl Sulfide-Utilizing Bacterium, <i>Acinetobacter guillouiae</i> Strain 20B (NBRC 110550). <i>Genome Announcements</i> , 2014, 2, .	0.8	5
54	Structural Basis of the Divergent Oxygenation Reactions Catalyzed by the Rieske Nonheme Iron Oxygenase Carbazole 1,9a-Dioxygenase. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2821-2832.	3.1	12

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55	Crystallization and preliminary X-ray diffraction analyses of the redox-controlled complex of terminal oxygenase and ferredoxin components in the Rieske nonhaem iron oxygenase carbazole 1,9a-dioxygenase. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1406-1409.	0.8	0
56	Single-Cell Analyses Revealed Transfer Ranges of IncP-1, IncP-7, and IncP-9 Plasmids in a Soil Bacterial Community. <i>Applied and Environmental Microbiology</i> , 2014, 80, 138-145.	3.1	87
57	Conjugative Elements: Host Chromosome Function Modifiers. , 2014, , 129-152.		2
58	Overexpression of Phosphomimic Mutated OsWRKY53 Leads to Enhanced Blast Resistance in Rice. <i>PLoS ONE</i> , 2014, 9, e98737.	2.5	94
59	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. <i>PLoS ONE</i> , 2014, 9, e105656.	2.5	12
60	Cloning of <i>dfdA</i> genes from <i>Terrabacter</i> sp. strain DBF63 encoding dibenzofuran 4,4a-dioxygenase and heterologous expression in <i>Streptomyces lividans</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 4485-4498.	3.6	13
61	Impact of catabolic plasmids on host cell physiology. <i>Current Opinion in Biotechnology</i> , 2013, 24, 423-430.	6.6	30
62	Stress-induced expression of the transcription factor RERJ1 is tightly regulated in response to jasmonic acid accumulation in rice. <i>Protoplasma</i> , 2013, 250, 241-249.	2.1	24
63	Mobile Genetic Elements (MGEs) Carrying Catabolic Genes. , 2013, , 167-214.		10
64	Complete Genome Sequence of the Carbazole Degradar <i>Pseudomonas resinovorans</i> Strain CA10 (NBRC) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	12
65	Crystallization and preliminary X-ray diffraction studies of the reduced form of the terminal oxygenase component of the Rieske nonhaem iron oxygenase system carbazole 1,9a-dioxygenase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1284-1287.	0.7	1
66	OsJAR1 Contributes Mainly to Biosynthesis of the Stress-Induced Jasmonoyl-Isoleucine Involved in Defense Responses in Rice. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013, 77, 1556-1564.	1.3	59
67	Structural and Molecular Genetic Analyses of the Bacterial Carbazole Degradation System. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 1-18.	1.3	59
68	<sc>Par</sc>, an orphan <sc>ParA</sc> family protein from <i><sc>P</sc></i>seudomonas putida</i>â€™s specific genomic island, interferes with the partition system of <sc>IncP</sc> plasmids. <i>Environmental Microbiology</i> , 2012, 14, 2946-2959.	3.8	18
69	Identification of an E-box motif responsible for the expression of jasmonic acid-induced chitinase gene OsChia4a in rice. <i>Journal of Plant Physiology</i> , 2012, 169, 621-627.	3.5	39
70	Structural insight into the substrate- and dioxygen-binding manner in the catalytic cycle of rieske nonheme iron oxygenase system, carbazole 1,9a-dioxygenase. <i>BMC Structural Biology</i> , 2012, 12, 15.	2.3	41
71	Alterations of RNA maps of IncP-7 plasmid pCAR1 in various <i>Pseudomonas</i> bacteria. <i>Plasmid</i> , 2011, 66, 85-92.	1.4	17
72	Oligomerization and DNA-Binding Capacity of Pmr, a Histone-Like Protein H1 (H-NS) Family Protein Encoded on IncP-7 Carbazole-Degradative Plasmid pCAR1. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 711-717.	1.3	12

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73	Evolution of the IncP-7 carbazole-degradative plasmid pCAR1 improves survival of its host <i>Pseudomonas fluorescens</i> Pf0-1 in artificial water microcosms. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2276-2286.	1.8	22
74	DNA rearrangement has occurred in the carbazole-degradative plasmid pCAR1 and the chromosome of its unsuitable host, <i>Pseudomonas fluorescens</i> Pf0-1. <i>Microbiology (United Kingdom)</i> , 2011, 157, 3405-3416.	1.8	9
75	Distribution of Genes Encoding Nucleoid-Associated Protein Homologs in Plasmids. <i>International Journal of Evolutionary Biology</i> , 2011, 2011, 1-30.	1.0	43
76	Response of the <i>Pseudomonas</i> host chromosomal transcriptome to carriage of the IncP-7 plasmid pCAR1. <i>Environmental Microbiology</i> , 2010, 12, 1413-1426.	3.8	62
77	The Behavior and Significance of Degradative Plasmids Belonging to Inc Groups in <i>Pseudomonas</i> ; within Natural Environments and Microcosms. <i>Microbes and Environments</i> , 2010, 25, 253-265.	1.6	39
78	Crystallization and preliminary X-ray diffraction studies of a ferredoxin reductase component of carbazole 1,9a-dioxygenase from <i>Novosphingobium</i> sp. KA1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 712-714.	0.7	4
79	Crystallization and preliminary X-ray diffraction studies of a terminal oxygenase of carbazole 1,9a-dioxygenase from <i>Novosphingobium</i> sp. KA1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 1480-1483.	0.7	3
80	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. <i>Journal of Bacteriology</i> , 2010, 192, 4720-4731.	2.2	53
81	Effects of cytokinin on production of diterpenoid phytoalexins in rice. <i>Journal of Pesticide Sciences</i> , 2010, 35, 412-418.	1.4	23
82	Behavior of Various Hosts of the IncP-7 Carbazole-Degradative Plasmid pCAR1 in Artificial Microcosms. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 343-349.	1.3	20
83	Suppressive effect of abscisic acid on systemic acquired resistance in tobacco plants. <i>Journal of General Plant Pathology</i> , 2010, 76, 161-167.	1.0	43
84	The Complete Nucleotide Sequence of pCAR2: pCAR2 and pCAR1 Were Structurally Identical IncP-7 Carbazole Degradative Plasmids. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 744-746.	1.3	32
85	OsTGAP1, a bZIP Transcription Factor, Coordinately Regulates the Inductive Production of Diterpenoid Phytoalexins in Rice. <i>Journal of Biological Chemistry</i> , 2009, 284, 26510-26518.	3.4	140
86	High-resolution mapping of plasmid transcriptomes in different host bacteria. <i>BMC Genomics</i> , 2009, 10, 12.	2.8	31
87	Specific Interactions between the Ferredoxin and Terminal Oxygenase Components of a Class IIB Rieske Nonheme Iron Oxygenase, Carbazole 1,9a-Dioxygenase. <i>Journal of Molecular Biology</i> , 2009, 392, 436-451.	4.2	28
88	Carbazole-Degradative IncP-7 Plasmid pCAR1.2 Is Structurally Unstable in <i>Pseudomonas fluorescens</i> Pf0-1, Which Accumulates Catechol, the Intermediate of the Carbazole Degradation Pathway. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3920-3929.	3.1	22
89	Catabolic Plasmids Involved in the Degradation of Polycyclic Aromatic Hydrocarbons and Heteroaromatic Compounds. <i>Microbiology Monographs</i> , 2009, , 55-87.	0.6	5
90	Behavior of the IncP-7 carbazole-degradative plasmid pCAR1 in artificial environmental samples. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 485-97.	3.6	16

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91	Crystallization and preliminary X-ray diffraction studies of a novel ferredoxin involved in the dioxygenation of carbazole by <i>Novosphingobium</i> sp. KA1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2008, 64, 632-635.	0.7	5
92	Effects of a bile acid elicitor, cholic acid, on the biosynthesis of diterpenoid phytoalexins in suspension-cultured rice cells. <i>Phytochemistry</i> , 2008, 69, 973-981.	2.9	66
93	Alteration of the Substrate Specificity of the Angular Dioxygenase Carbazole 1,9a-Dioxygenase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 3237-3248.	1.3	9
94	Transcription Factors CysB and SfnR Constitute the Hierarchical Regulatory System for the Sulfate Starvation Response in <i>Pseudomonas putida</i> . <i>Journal of Bacteriology</i> , 2008, 190, 4521-4531.	2.2	21
95	1P-023 Crystal structure of the ferredoxin reductase component in the Rieske non-heme iron oxygenase system, carbazole 1, 9a-dioxygenase (The 46th Annual Meeting of the Biophysical Society of Tj ETQq1 10017843140rgBT /O		
96	The <i>Sphingomonas</i> Plasmid pCAR3 Is Involved in Complete Mineralization of Carbazole. <i>Journal of Bacteriology</i> , 2007, 189, 2007-2020.	2.2	55
97	Transcriptional regulation of the sulfate-starvation-induced gene <i>sfnA</i> by a $\sigma^{54}$ -dependent activator of <i>Pseudomonas putida</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 3091-3098.	1.8	15
98	Transcriptome Analysis of <i>Pseudomonas putida</i> KT2440 Harboring the Completely Sequenced IncP-7 Plasmid pCAR1. <i>Journal of Bacteriology</i> , 2007, 189, 6849-6860.	2.2	58
99	Identification of a Biosynthetic Gene Cluster in Rice for Momilactones. <i>Journal of Biological Chemistry</i> , 2007, 282, 34013-34018.	3.4	258
100	Crystallization and preliminary X-ray diffraction studies of the ferredoxin reductase component in the Rieske nonhaem iron oxygenase system carbazole 1,9a-dioxygenase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 499-502.	0.7	9
101	Crystallization and preliminary crystallographic analysis of the ferredoxin component of carbazole 1,9a-dioxygenase from <i>Nocardioides aromaticivorans</i> IC177. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 855-857.	0.7	5
102	The <i>ptsP</i> gene encoding the PTS family protein $\text{E1}^{\text{Ntr}}$ is essential for dimethyl sulfone utilization by <i>Pseudomonas putida</i> . <i>FEMS Microbiology Letters</i> , 2007, 275, 175-181.	1.8	11
103	Involvement of the elicitor-induced gene <i>OsWRKY53</i> in the expression of defense-related genes in rice. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2007, 1769, 497-505.	2.4	136
104	Elicitor induced activation of the methylerythritol phosphate pathway toward phytoalexins biosynthesis in rice. <i>Plant Molecular Biology</i> , 2007, 65, 177-187.	3.9	136
105	Conjugative transfer of the IncP-7 carbazole degradative plasmid, pCAR1, in river water samples. <i>Biotechnology Letters</i> , 2007, 30, 117-122.	2.2	36
106	Carbazole Metabolism by <i>Pseudomonads</i> . , 2007, , 107-145.		13
107	Detection of a Bacterial Group within the Phylum Chloroflexi and Reductive-Dehalogenase-Homologous Genes in Pentachlorobenzene-Dechlorinating Estuarine Sediment from the Arakawa River, Japan. <i>Microbes and Environments</i> , 2006, 21, 154-162.	1.6	3
108	Crystallization and preliminary X-ray diffraction studies of the terminal oxygenase component of carbazole 1,9a-dioxygenase from <i>Nocardioides aromaticivorans</i> IC177. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 1212-1214.	0.7	6

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109	Cloning and characterization of genes encoding an enzyme which oxidizes dimethyl sulfide in <i>Acinetobacter</i> sp. strain 20B. <i>FEMS Microbiology Letters</i> , 2006, 155, 99-105.	1.8	64
110	Electron Transfer Complex Formation between Oxygenase and Ferredoxin Components in Rieske Nonheme Iron Oxygenase System. <i>Structure</i> , 2006, 14, 1779-1789.	3.3	65
111	Plasmid pCAR3 Contains Multiple Gene Sets Involved in the Conversion of Carbazole to Anthranilate. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3198-3205.	3.1	42
112	Characterization of Novel Carbazole Catabolism Genes from Gram-Positive Carbazole Degradator <i>Nocardioides aromaticivorans</i> IC177. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3321-3329.	3.1	58
113	Characterization of the Replication, Maintenance, and Transfer Features of the IncP-7 Plasmid pCAR1, Which Carries Genes Involved in Carbazole and Dioxin Degradation. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3206-3216.	3.1	80
114	Differentiation of Carbazole Catabolic Operons by Replacement of the Regulated Promoter via Transposition of an Insertion Sequence*. <i>Journal of Biological Chemistry</i> , 2006, 281, 8450-8457.	3.4	22
115	Functional and transcriptional analyses of the initial oxygenase genes for acenaphthene degradation from <i>Sphingomonas</i> sp. strain A4. <i>Microbiology (United Kingdom)</i> , 2006, 152, 2455-2467.	1.8	14
116	Diversity of carbazole-degrading bacteria having the <i>car</i> gene cluster: Isolation of a novel gram-positive carbazole-degrading bacterium. <i>FEMS Microbiology Letters</i> , 2005, 245, 145-153.	1.8	56
117	Large plasmid pCAR2 and class II transposon Tn4676 are functional mobile genetic elements to distribute the carbazole/dioxin-degradative <i>car</i> gene cluster in different bacteria. <i>Applied Microbiology and Biotechnology</i> , 2005, 67, 370-382.	3.6	45
118	Characterization of [3Fe-4S] ferredoxin DbfA3, which functions in the angular dioxygenase system of <i>Terrabacter</i> sp. strain DBF63. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 336-345.	3.6	13
119	Recipient Range of IncP-7 Conjugative Plasmid pCAR2 from <i>Pseudomonas putida</i> HS01 is Broader than from Other <i>Pseudomonas</i> Strains. <i>Biotechnology Letters</i> , 2005, 27, 1847-1853.	2.2	57
120	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. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 577-580.	0.7	17
121	Crystal structure of the ferredoxin component of carbazole 1,9a-dioxygenase of <i>Pseudomonas resinovorans</i> strain CA10, a novel Rieske non-heme iron oxygenase system. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 58, 779-789.	2.6	40
122	Crystal Structure of the Terminal Oxygenase Component of Cumene Dioxygenase from <i>Pseudomonas fluorescens</i> IP01. <i>Journal of Bacteriology</i> , 2005, 187, 2483-2490.	2.2	85
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