

Qing Hong

List of Publications by Year in descending order

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papers

1,467
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279798

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1291
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#	ARTICLE	IF	CITATIONS
1	Microbial catabolism of chemical herbicides: Microbial resources, metabolic pathways and catabolic genes. <i>Pesticide Biochemistry and Physiology</i> , 2017, 143, 272-297.	3.6	109
2	Isolation and characterization of a carbofuran-degrading strain <i>Novosphingobium</i> sp. FND-3. <i>FEMS Microbiology Letters</i> , 2007, 271, 207-213.	1.8	84
3	<i>Rhizobium petrolearium</i> sp. nov., isolated from oil-contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1871-1876.	1.7	54
4	SulE, a Sulfonylurea Herbicide De-Esterification Esterase from <i>Hansschlegelia zhuhuaiae</i> S113. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1962-1968.	3.1	46
5	Comparative genomic analysis of isoproturon- ϵ -mineralizing sphingomonads reveals the isoproturon catabolic mechanism. <i>Environmental Microbiology</i> , 2016, 18, 4888-4906.	3.8	39
6	<i>Rhodococcus jialingiae</i> sp. nov., an actinobacterium isolated from sludge of a carbendazim wastewater treatment facility. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 378-381.	1.7	37
7	Characterisation of the phenanthrene degradation-related genes and degrading ability of a newly isolated copper-tolerant bacterium. <i>Environmental Pollution</i> , 2017, 220, 1059-1067.	7.5	36
8	Cloning and expression of the carbaryl hydrolase gene <i>mcbA</i> and the identification of a key amino acid necessary for carbaryl hydrolysis. <i>Journal of Hazardous Materials</i> , 2018, 344, 1126-1135.	12.4	36
9	<i>Sphingobium qiguonii</i> sp. nov., a carbaryl-degrading bacterium isolated from a wastewater treatment system. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 2724-2728.	1.7	35
10	An Amidase Gene, <i>ipaH</i> , Is Responsible for the Initial Step in the Iprodione Degradation Pathway of <i>Paenarthrobacter</i> sp. Strain YJN-5. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	34
11	Hydrolase <i>CehA</i> and Monooxygenase <i>CfdC</i> Are Responsible for Carbofuran Degradation in <i>Sphingomonas</i> sp. Strain CDS-1. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	32
12	Degradation of dibutyl phthalate (DBP) by a bacterial consortium and characterization of two novel esterases capable of hydrolyzing PAEs sequentially. <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110517.	6.0	32
13	<i>Burkholderia zhejiangensis</i> sp. nov., a methyl-parathion-degrading bacterium isolated from a wastewater-treatment system. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 1337-1341.	1.7	30
14	A Novel Angular Dioxygenase Gene Cluster Encoding 3-Phenoxybenzoate 1 ϵ ,2 ϵ -Dioxygenase in <i>Sphingobium wenxiniae</i> JZ-1. <i>Applied and Environmental Microbiology</i> , 2014, 80, 3811-3818.	3.1	30
15	Identification of the key amino acid sites of the carbendazim hydrolase (<i>MheI</i>) from a novel carbendazim-degrading strain <i>Mycobacterium</i> sp. SD-4. <i>Journal of Hazardous Materials</i> , 2017, 331, 55-62.	12.4	30
16	A Novel Degradation Mechanism for Pyridine Derivatives in <i>Alcaligenes faecalis</i> JQ135. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	30
17	Potential effects of <i>Rhodococcus qingshengii</i> strain djl-6 on the bioremediation of carbendazim-contaminated soil and the assembly of its microbiome. <i>Journal of Hazardous Materials</i> , 2021, 414, 125496.	12.4	30
18	<i>Nocardioides soli</i> sp. nov., a carbendazim-degrading bacterium isolated from soil under the long-term application of carbendazim. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2047-2052.	1.7	28

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19	Biodegradation of Picolinic Acid by a Newly Isolated Bacterium <i>Alcaligenes faecalis</i> Strain JQ135. <i>Current Microbiology</i> , 2017, 74, 508-514.	2.2	28
20	Pendimethalin Nitroreductase Is Responsible for the Initial Pendimethalin Degradation Step in <i>Bacillus subtilis</i> Y3. <i>Applied and Environmental Microbiology</i> , 2016, 82, 7052-7062.	3.1	26
21	Characterization of Cu(II) and Cd(II) resistance mechanisms in <i>Sphingobium</i> sp. PHE-SPH and <i>Ochrobactrum</i> sp. PHE-OCH and their potential application in the bioremediation of heavy metal-phenanthrene co-contaminated sites. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6861-6872.	5.3	26
22	Identification of the key amino acid sites of the carbofuran hydrolase CehA from a newly isolated carbofuran-degrading strain <i>Sphingium</i> sp. CFD-1. <i>Ecotoxicology and Environmental Safety</i> , 2020, 189, 109938.	6.0	26
23	Genome Analysis of Carbaryl-Degrading Strain <i>Pseudomonas putida</i> XWY-1. <i>Current Microbiology</i> , 2019, 76, 927-929.	2.2	24
24	Bacterial catabolism of nicotine: Catabolic strains, pathways and modules. <i>Environmental Research</i> , 2020, 183, 109258.	7.5	24
25	Isolation of an aryloxyphenoxy propanoate (AOPP) herbicide-degrading strain <i>Rhodococcus ruber</i> JPL-2 and the cloning of a novel carboxylesterase gene (<i>feh</i>). <i>Brazilian Journal of Microbiology</i> , 2015, 46, 425-432.	2.0	23
26	The Two-Component Monooxygenase MeaXY Initiates the Downstream Pathway of Chloroacetanilide Herbicide Catabolism in Sphingomonads. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	23
27	Isolation and characterization of the cotinine-degrading bacterium <i>Nocardioides</i> sp. Strain JQ2195. <i>Journal of Hazardous Materials</i> , 2018, 353, 158-165.	12.4	22
28	<i>Luteimonas soli</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 4809-4815.	1.7	21
29	<i>Nocardioides agrisoli</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3722-3727.	1.7	20
30	<i>Chryseobacterium shandongense</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 1860-1865.	1.7	19
31	<i>Terrimonas soli</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 819-823.	1.7	19
32	Colonization on Cucumber Root and Enhancement of Chlorimuron-ethyl Degradation in the Rhizosphere by <i>Hansschlegelia zhihuaiae</i> S113 and Root Exudates. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4584-4591.	5.2	18
33	Identification and Characterization of a Novel <i>pic</i> Gene Cluster Responsible for Picolinic Acid Degradation in <i>Alcaligenes faecalis</i> JQ135. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	18
34	A Tetrahydrofolate-Dependent Methyltransferase Catalyzing the Demethylation of Dicamba in <i>Sphingomonas</i> sp. Strain Ndbn-20. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5621-5630.	3.1	16
35	<i>Hansschlegelia zhihuaiae</i> sp. nov., isolated from a polluted farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 1114-1117.	1.7	15
36	Detoxification Esterase StrH Initiates Strobilurin Fungicide Degradation in <i>Hyphomicrobium</i> sp. Strain DY-1. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	15

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37	<i>Pedobacter nanyangensis</i> sp. nov., isolated from herbicide-contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 3517-3521.	1.7	15
38	Molecular Mechanism and Genetic Determinants of Buprofezin Degradation. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	14
39	Isolation and Characterization of the Pymetrozine-Degrading Strain <i>Pseudomonas</i> sp. BYT-1. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4170-4176.	5.2	14
40	<i>Sphingobacterium changzhouense</i> sp. nov., a bacterium isolated from a rice field. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 4515-4518.	1.7	13
41	McbG, a LysR Family Transcriptional Regulator, Activates the <i>mcbBCDEF</i> Gene Cluster Involved in the Upstream Pathway of Carbaryl Degradation in <i>Pseudomonas</i> sp. Strain XWY-1. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	13
42	<i>Sphingobacterium chuzhouense</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4968-4974.	1.7	13
43	Degradation of monocrotophos by <i>Starkeya novella</i> YW6 isolated from paddy soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3727-3735.	5.3	12
44	Substrate preference of carbamate hydrolase CehA reveals its environmental behavior. <i>Journal of Hazardous Materials</i> , 2021, 403, 123677.	12.4	12
45	<i>Mangrovibacter yixingensis</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2447-2452.	1.7	11
46	Hydrolase CehA and a Novel Two-Component 1-Naphthol Hydroxylase CehC1C2 are Responsible for the Two Initial Steps of Carbaryl Degradation in <i>Rhizobium</i> sp. X9. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14739-14747.	5.2	11
47	Carbamate C-N Hydrolase Gene <i>ameH</i> Responsible for the Detoxification Step of Methomyl Degradation in <i>Aminobacter aminovorans</i> Strain MDW-2. <i>Applied and Environmental Microbiology</i> , 2020, 87, .	3.1	11
48	The enhanced mechanisms of <i>Hansschlegelia zhihuaiae</i> S113 degrading bensulfuron-methyl in maize rhizosphere by three organic acids in root exudates. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112622.	6.0	11
49	<i>Flavobacterium yanchengense</i> sp. nov., isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2848-2852.	1.7	10
50	<i>Flavobacterium lutivivi</i> sp. nov., isolated from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1394-1400.	1.7	10
51	pheSAG Based Rapid and Efficient Markerless Mutagenesis in <i>Methylophilum</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 441.	3.5	9
52	Cotinine Hydroxylase CotA Initiates Biodegradation of Wastewater Micropollutant Cotinine in <i>Nocardioideis</i> sp. Strain JQ2195. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0092321.	3.1	9
53	<i>Ornithinococcus soli</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1793-1799.	1.7	9
54	Genetic Foundations of Direct Ammonia Oxidation (Dirammox) to N ₂ and MocR-Like Transcriptional Regulator DnfR in <i>Alcaligenes faecalis</i> Strain JQ135. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0226121.	3.1	9

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55	Novel 3,6-Dihydroxypicolinic Acid Decarboxylase-Mediated Picolinic Acid Catabolism in <i>Alcaligenes faecalis</i> JQ135. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	8
56	Comparative genomic analysis of iprodione-degrading <i>Paenarthrobacter</i> strains reveals the iprodione catabolic molecular mechanism in <i>Paenarthrobacter</i> sp. strain <i>YJN</i> . <i>Environmental Microbiology</i> , 2021, 23, 1079-1095.	3.8	8
57	Identification and Evaluation of Strain B37 of <i>Bacillus subtilis</i> Antagonistic to Sapstain Fungi on Poplar Wood. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	2.1	7
58	Cloning, expression and mutation of a triazophos hydrolase gene from <i>Burkholderia</i> sp. SZL-1. <i>FEMS Microbiology Letters</i> , 2016, 363, fnw108.	1.8	7
59	An angular dioxygenase gene cluster responsible for the initial phenazine-1-carboxylic acid degradation step in <i>Rhodococcus</i> sp. WH99 can protect sensitive organisms from toxicity. <i>Science of the Total Environment</i> , 2020, 706, 135726.	8.0	7
60	Effect of pesticide residues on simulated beer brewing and its inhibition elimination by pesticide-degrading enzyme. <i>Journal of Bioscience and Bioengineering</i> , 2020, 130, 496-502.	2.2	7
61	Heterologous expression and exploration of the enzymatic properties of the carbaryl hydrolase CarH from a newly isolated carbaryl-degrading strain. <i>Ecotoxicology and Environmental Safety</i> , 2021, 224, 112666.	6.0	7
62	Characterization of a new heterotrophic nitrification bacterium <i>Pseudomonas</i> sp. strain JQ170 and functional identification of <i>nap</i> gene in nitrite production. <i>Science of the Total Environment</i> , 2022, 806, 150556.	8.0	7
63	<i>Pedobacter agrisoli</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 886-891.	1.7	7
64	Production of chlorothalonil hydrolytic dehalogenase from agro-industrial wastewater and its application in raw food cleaning. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2582-2587.	3.5	6
65	Optimization of fed-batch fermentation and direct spray drying in the preparation of microbial inoculant of acetochlor-degrading strain <i>Sphingomonas</i> sp. DC-6. <i>3 Biotech</i> , 2018, 8, 294.	2.2	6
66	A novel hydrolase <i>PyzH</i> catalyses the cleavage of C=N double bond for pymetrozine degradation in <i>Pseudomonas</i> sp. <i>BYT</i> . <i>Environmental Microbiology</i> , 2021, 23, 3265-3273.	3.8	6
67	Biodegradation of Quinoline by a Newly Isolated Salt-Tolerating Bacterium <i>Rhodococcus gordoniae</i> Strain JH145. <i>Microorganisms</i> , 2022, 10, 797.	3.6	6
68	PicR as a MarR Family Transcriptional Repressor Multiply Controls the Transcription of Picolinic Acid Degradation Gene Cluster <i>pic</i> in <i>Alcaligenes faecalis</i> JQ135. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	6
69	Catabolic characterization of dipicolinic acid in <i>Alcaligenes faecalis</i> strain JQ135. <i>International Biodeterioration and Biodegradation</i> , 2021, 165, 105312.	3.9	5
70	<i>Cumulibacter soli</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1152-1157.	1.7	5
71	Two LysR Family Transcriptional Regulators, McbH and McbN, Activate the Operons Responsible for the Midstream and Downstream Pathways, Respectively, of Carbaryl Degradation in <i>Pseudomonas</i> sp. Strain XWY-1. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0206021.	3.1	5
72	Unveiling the CoA mediated salicylate catabolic mechanism in <i>Rhizobium</i> sp. X9. <i>Molecular Microbiology</i> , 2021, 116, 783-793.	2.5	4

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73	Degradation of dimethachlon by a newly isolated bacterium <i>Paenarthrobacter</i> sp. strain JH-1 relieves its toxicity against <i>Chlorella ellipsoidea</i> . <i>Environmental Research</i> , 2022, 208, 112706.	7.5	3
74	The TetR Family Repressor HpaR Negatively Regulates the Catabolism of 5-Hydroxypicolinic Acid in <i>Alcaligenes faecalis</i> JQ135 by Binding to Two Unique DNA Sequences in the Promoter of <i>Hpa</i> Operon. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0239021.	3.1	3
75	The Novel Amidase PcnH Initiates the Degradation of Phenazine-1-Carboxamide in <i>Sphingomonas histidinilytica</i> DS-9. <i>Applied and Environmental Microbiology</i> , 2022, 88, e0054322.	3.1	3
76	The Novel Monooxygenase Gene <i>dipD</i> in the <i>dip</i> Gene Cluster of <i>Alcaligenes faecalis</i> JQ135 Is Essential for the Initial Catabolism of Dipicolinic Acid. <i>Applied and Environmental Microbiology</i> , 2022, 88, .	3.1	2
77	Biodegradation of Quinolinic acid by a Newly Isolated Bacterium <i>Alcaligenes faecalis</i> Strain JQ191. <i>FEMS Microbiology Letters</i> , 2022, , .	1.8	1