

# Jiguo Qiu

## List of Publications by Year in descending order

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89  
papers

1,381  
citations

331259

21  
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454577

30  
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92  
all docs

92  
docs citations

92  
times ranked

1189  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	7
2	Anaerobic biodegradation and detoxification of chloroacetamide herbicides by a novel <i>Proteiniclasticum sediminis</i> BAD-10T. <i>Environmental Research</i> , 2022, 209, 112859.	3.7	17
3	Genetic Foundations of Direct Ammonia Oxidation (Dirammox) to N <sub>2</sub> and MoxR-Like Transcriptional Regulator DnfR in <i>Alcaligenes faecalis</i> Strain JQ135. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0226121.	1.4	9
4	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.	3.7	3
5	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.	1.4	3
6	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.	1.4	5
7	<i>Pseudaminobacter soli</i> sp. nov., Isolated from Paddy Soil Contaminated with Heavy Metals. <i>Current Microbiology</i> , 2022, 79, 19.	1.0	1
8	Biodegradation of Quinoline by a Newly Isolated Salt-Tolerating Bacterium <i>Rhodococcus gordoniae</i> Strain JH145. <i>Microorganisms</i> , 2022, 10, 797.	1.6	6
9	Biodegradation of Quinolinic acid by a Newly Isolated Bacterium <i>Alcaligenes faecalis</i> Strain JQ191. <i>FEMS Microbiology Letters</i> , 2022, , .	0.7	1
10	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.	1.4	3
11	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, .	1.4	6
12	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, .	1.4	2
13	Substrate preference of carbamate hydrolase CehA reveals its environmental behavior. <i>Journal of Hazardous Materials</i> , 2021, 403, 123677.	6.5	12
14	Enhanced recovery of hexavalent chromium by remodeling extracellular polymeric substances through engineering <i>Agrobacterium tumefaciens</i> F2. <i>Journal of Cleaner Production</i> , 2021, 279, 123829.	4.6	26
15	Comparative genomic analysis of iprodione-degrading <i>Paenarthrobacter</i> strains reveals the iprodione catabolic molecular mechanism in <i>Paenarthrobacter</i> sp. strain <i>scpYJN</i> . <i>Environmental Microbiology</i> , 2021, 23, 1079-1095.	1.8	8
16	Identification and characterization of Nornicotine degrading strain <i>Arthrobacter</i> sp. NOR5. <i>Science of the Total Environment</i> , 2021, 764, 142894.	3.9	5
17	<i>Lysobacter gilvus</i> sp. nov., isolated from activated sludge. <i>Archives of Microbiology</i> , 2021, 203, 7-11.	1.0	3
18	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, .	1.4	13

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19	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.	1.8	6
20	Unveiling the CoA mediated salicylate catabolic mechanism in <i>Rhizobium</i> sp. X9. <i>Molecular Microbiology</i> , 2021, 116, 783-793.	1.2	4
21	Enhanced degradation of dicamba by an anaerobic sludge acclimated from river sediment. <i>Science of the Total Environment</i> , 2021, 777, 145931.	3.9	26
22	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.	1.4	9
23	<i>Sinanaerobacter chloroacetimidivorans</i> gen. nov., sp. nov., an obligate anaerobic bacterium isolated from anaerobic sludge. <i>Antonie Van Leeuwenhoek</i> , 2021, 114, 1609-1617.	0.7	1
24	<i>Rhodobacter kunshanensis</i> sp. nov., a Novel Bacterium Isolated from Activated Sludge. <i>Current Microbiology</i> , 2021, 78, 3791-3797.	1.0	2
25	Catabolic characterization of dipicolinic acid in <i>Alcaligenes faecalis</i> strain JQ135. <i>International Biodeterioration and Biodegradation</i> , 2021, 165, 105312.	1.9	5
26	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.	2.9	26
27	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.	3.9	7
28	Anaerobic biodegradation of acetochlor by acclimated sludge and its anaerobic catabolic pathway. <i>Science of the Total Environment</i> , 2020, 748, 141122.	3.9	31
29	<i>Crenobacter caeni</i> sp. nov. Isolated from Sludge. <i>Current Microbiology</i> , 2020, 77, 4180-4185.	1.0	1
30	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, .	1.4	11
31	<i>Caenimonas sedimenti</i> sp. nov., Isolated from Sediment of the Wastewater Outlet of an Agricultural Chemical Plant. <i>Current Microbiology</i> , 2020, 77, 3767-3772.	1.0	2
32	Roles of the Gentisate 1,2-Dioxygenases DsmD and GtdA in the Catabolism of the Herbicide Dicamba in <i>Rhizorhabdus dicambivorans</i> Ndbn-20. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9287-9298.	2.4	4
33	Applied microbiology and biotechnology uncovering the biosynthetic pathway of polysaccharide-based microbial flocculant in <i>Agrobacterium tumefaciens</i> F2. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 8479-8488.	1.7	7
34	<i>Pedobacter puniceum</i> sp. nov. Isolated from Sludge. <i>Current Microbiology</i> , 2020, 77, 4186-4191.	1.0	3
35	<i>Rudanella paleaurantiibacter</i> sp. nov., Isolated from Activated Sludge. <i>Current Microbiology</i> , 2020, 77, 2016-2022.	1.0	1
36	Bacterial catabolism of nicotine: Catabolic strains, pathways and modules. <i>Environmental Research</i> , 2020, 183, 109258.	3.7	24

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37	<i>Spingobacterium olei</i> sp. nov., isolated from oil-contaminated soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 1931-1939.	0.8	13
38	<i>Niastella caeni</i> sp. nov., isolated from activated sludge. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2261-2268.	0.8	6
39	Humidity Control Strategies for Solid-State Fermentation: Capillary Water Supply by Water-Retention Materials and Negative-Pressure Auto-controlled Irrigation. Frontiers in Bioengineering and Biotechnology, 2019, 7, 263.	2.0	27
40	Novel 3,6-Dihydroxypicolinic Acid Decarboxylase-Mediated Picolinic Acid Catabolism in <i>Alcaligenes faecalis</i> JQ135. Journal of Bacteriology, 2019, 201, .	1.0	8
41	Genome Analysis of Carbaryl-Degrading Strain <i>Pseudomonas putida</i> XWY-1. Current Microbiology, 2019, 76, 927-929.	1.0	24
42	The Properties of 5-Methyltetrahydrofolate Dehydrogenase (MetF1) and Its Role in the Tetrahydrofolate-Dependent Dicamba Demethylation System in <i>Rhizorhabdus dicambivorans</i> Ndbn-20. Journal of Bacteriology, 2019, 201, .	1.0	5
43	Identification and Characterization of a Novel <i>pic</i> Gene Cluster Responsible for Picolinic Acid Degradation in <i>Alcaligenes faecalis</i> JQ135. Journal of Bacteriology, 2019, 201, .	1.0	18
44	Comparative genome analysis reveals the evolution of chloroacetanilide herbicide mineralization in <i>Sphingomonas wittichii</i> DC-6. Archives of Microbiology, 2019, 201, 907-918.	1.0	10
45	Biodegradation of Picolinic Acid by <i>Rhodococcus</i> sp. PA18. Applied Sciences (Switzerland), 2019, 9, 1006.	1.3	4
46	Isolation and Characterization of the Pymetrozine-Degrading Strain <i>Pseudomonas</i> sp. BYT-1. Journal of Agricultural and Food Chemistry, 2019, 67, 4170-4176.	2.4	14
47	Complete Genome Sequence of <i>Alcaligenes faecalis</i> Strain JQ135, a Bacterium Capable of Efficiently Degrading Nicotinic Acid. Current Microbiology, 2018, 75, 1551-1554.	1.0	21
48	Biodegradation of Pendimethalin by <i>Paracoccus</i> sp. P13. Current Microbiology, 2018, 75, 1077-1083.	1.0	14
49	Isolation and characterization of the cotinine-degrading bacterium <i>Nocardioides</i> sp. Strain JQ2195. Journal of Hazardous Materials, 2018, 353, 158-165.	6.5	22
50	Identification and characterization of a new three-component nicotinic acid hydroxylase NahAB1B2 from <i>Pseudomonas</i> sp. strain T2. Letters in Applied Microbiology, 2018, 66, 321-328.	1.0	5
51	Cloning and expression of the carbaryl hydrolase gene <i>mcbA</i> and the identification of a key amino acid necessary for carbaryl hydrolysis. Journal of Hazardous Materials, 2018, 344, 1126-1135.	6.5	36
52	3,6-Dichlorosalicylate Catabolism Is Initiated by the DsmABC Cytochrome P450 Monooxygenase System in <i>Rhizorhabdus dicambivorans</i> Ndbn-20. Applied and Environmental Microbiology, 2018, 84, .	1.4	13
53	A Novel Degradation Mechanism for Pyridine Derivatives in <i>Alcaligenes faecalis</i> JQ135. Applied and Environmental Microbiology, 2018, 84, .	1.4	30
54	Roles of Two Glutathione-Dependent 3,6-Dichlorogentisate Dehalogenases in <i>Rhizorhabdus dicambivorans</i> Ndbn-20 in the Catabolism of the Herbicide Dicamba. Applied and Environmental Microbiology, 2018, 84, .	1.4	12

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55	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.	1.1	6
56	<i>Flavobacterium zaozhuangense</i> sp. nov., a new member of the family Flavobacteriaceae, isolated from metolachlor-contaminated soil. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1977-1984.	0.7	6
57	Stereoselective accumulations of hexachlorocyclohexanes (HCHs) are correlated with <i>Sphingomonas</i> spp. in agricultural soils across China. <i>Environmental Pollution</i> , 2018, 240, 27-33.	3.7	20
58	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, .	1.4	34
59	Hydrolase CehA and Monooxygenase CfdC Are Responsible for Carbofuran Degradation in <i>Sphingomonas</i> sp. Strain CDS-1. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	32
60	Complete Genome Sequence of <i>Sphingobium baderi</i> DE-13, an Alkyl-Substituted Aniline-Mineralizing Bacterium. <i>Current Microbiology</i> , 2018, 75, 27-31.	1.0	4
61	<i>Paenibacillus shunpengii</i> sp. nov., isolated from farmland soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 211-216.	0.8	6
62	Identification and characterization of a novel carboxylesterase (FpbH) that hydrolyzes aryloxyphenoxypropionate herbicides. <i>Biotechnology Letters</i> , 2017, 39, 553-560.	1.1	18
63	Degradation of Diphenyl Ether in <i>Sphingobium phenoxybenzoativorans</i> SC_3 Is Initiated by a Novel Ring Cleavage Dioxygenase. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	14
64	Biodegradation of Picolinic Acid by a Newly Isolated Bacterium <i>Alcaligenes faecalis</i> Strain JQ135. <i>Current Microbiology</i> , 2017, 74, 508-514.	1.0	28
65	Functional Characterization of a Novel Amidase Involved in Biotransformation of Triclocarban and its Dehalogenated Congeners in <i>Ochrobactrum</i> sp. TCC-2. <i>Environmental Science &amp; Technology</i> , 2017, 51, 291-300.	4.6	79
66	A Novel Aerobic Degradation Pathway for Thiobencarb Is Initiated by the TmoAB Two-Component Flavin Mononucleotide-Dependent Monooxygenase System in <i>Acidovorax</i> sp. Strain T1. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	14
67	Molecular Mechanism and Genetic Determinants of Buprofezin Degradation. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	14
68	Characterization and Genome Analysis of a Nicotine and Nicotinic Acid-Degrading Strain <i>Pseudomonas putida</i> JQ581 Isolated from Marine. <i>Marine Drugs</i> , 2017, 15, 156.	2.2	15
69	Characterization of a Novel Nicotine Degradation Gene Cluster <i>ndp</i> in <i>Sphingomonas melonis</i> TY and Its Evolutionary Analysis. <i>Frontiers in Microbiology</i> , 2017, 8, 337.	1.5	16
70	The Complete Genome Sequence of the Nicotine-Degrading Bacterium <i>Shinella</i> sp. HZN7. <i>Frontiers in Microbiology</i> , 2016, 7, 1348.	1.5	24
71	Isolation, identification, and acetochlor-degrading potential of a novel <i>Rhodococcus</i> sp. MZ-3. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 688-694.	0.7	4
72	Enantiomer signature and carbon isotope evidence for the migration and transformation of DDTs in arable soils across China. <i>Scientific Reports</i> , 2016, 6, 38475.	1.6	16

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73	Characterization of the novel dimethyl sulfide-degrading bacterium <i>Alcaligenes</i> sp. SY1 and its biochemical degradation pathway. <i>Journal of Hazardous Materials</i> , 2016, 304, 543-552.	6.5	23
74	Conversion of nornicotine to 6-hydroxy-nornicotine and 6-hydroxy-myosmine by <i>Shinella</i> sp. strain HZN7. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 10019-10029.	1.7	14
75	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.	1.4	16
76	Co-exposure of silver nanoparticles and chiral herbicide imazethapyr to <i>Arabidopsis thaliana</i> : Enantioselective effects. <i>Chemosphere</i> , 2016, 145, 207-214.	4.2	47
77	Biodegradation of nicotine by a novel strain <i>Pseudomonas</i> . <i>Research in Microbiology</i> , 2015, 166, 67-71.	1.0	19
78	Regulators essential for nicotine degradation in <i>Shinella</i> sp. HZN7. <i>Process Biochemistry</i> , 2015, 50, 1947-1950.	1.8	10
79	Are Nutrient Stresses Associated with Enantioselectivity of the Chiral Herbicide Imazethapyr in <i>Arabidopsis thaliana</i> ? <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10209-10217.	2.4	19
80	Isolation, transposon mutagenesis, and characterization of the novel nicotine-degrading strain <i>Shinella</i> sp. HZN7. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2625-2636.	1.7	45
81	A Novel ( <i>S</i> )-6-Hydroxynicotine Oxidase Gene from <i>Shinella</i> sp. Strain HZN7. <i>Applied and Environmental Microbiology</i> , 2014, 80, 5552-5560.	1.4	29
82	Biodegradation of beta-cypermethrin by a novel <i>Azoarcus indigens</i> strain HZ5. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 851-859.	0.7	19
83	Biodegradation of acetochlor by a newly isolated <i>Achromobacter</i> sp. strain D-12. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 960-966.	0.7	15
84	Cloning of a Novel Nicotine Oxidase Gene from <i>Pseudomonas</i> sp. Strain HZN6 Whose Product Nonenantioselectively Degrades Nicotine to Pseudooxynicotine. <i>Applied and Environmental Microbiology</i> , 2013, 79, 2164-2171.	1.4	31
85	Functional Identification of Two Novel Genes from <i>Pseudomonas</i> sp. Strain HZN6 Involved in the Catabolism of Nicotine. <i>Applied and Environmental Microbiology</i> , 2012, 78, 2154-2160.	1.4	49
86	A sirA-like gene, sirA2, is essential for 3-succinoyl-pyridine metabolism in the newly isolated nicotine-degrading <i>Pseudomonas</i> sp. HZN6 strain. <i>Applied Microbiology and Biotechnology</i> , 2011, 92, 1023-1032.	1.7	28
87	Hydrolytic Dechlorination of Chlorothalonil by <i>Ochrobactrum</i> sp. CTN-11 Isolated from a Chlorothalonil-Contaminated Soil. <i>Current Microbiology</i> , 2010, 61, 226-233.	1.0	39
88	Isolation, Identification and Characteristics of a Fluoroglyphofen-ethyl-degrading Bacterium YF1*. <i>Ying Yong Yu Huan Jing Sheng Wu Xue Bao = Chinese Journal of Applied and Environmental Biology</i> , 2010, 2009, 686-691.	0.1	1
89	Isolation and characterization of three <i>Sphingobium</i> sp. strains capable of degrading isoproturon and cloning of the catechol 1,2-dioxygenase gene from these strains. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 259-268.	1.7	43