

Shuang-Jiang Liu

List of Publications by Year in descending order

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198
papers

8,191
citations

53794

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209
all docs

209
docs citations

209
times ranked

7683
citing authors

#	ARTICLE	IF	CITATIONS
1	Parabacteroides distasonis Alleviates Obesity and Metabolic Dysfunctions via Production of Succinate and Secondary Bile Acids. Cell Reports, 2019, 26, 222-235.e5.	6.4	630
2	Enlightening the taxonomy darkness of human gut microbiomes with a cultured biobank. Microbiome, 2021, 9, 119.	11.1	479
3	Sodium butyrate attenuates high-fat diet-induced steatohepatitis in mice by improving gut microbiota and gastrointestinal barrier. World Journal of Gastroenterology, 2017, 23, 60.	3.3	288
4	Beneficial effect of butyrate-producing Lachnospiraceae on stress-induced visceral hypersensitivity in rats. Journal of Gastroenterology and Hepatology (Australia), 2019, 34, 1368-1376.	2.8	182
5	Intraspecific polymorphism of 16S rRNA genes in two halophilic archaeal genera, Haloarcula and Halomicrobium. Extremophiles, 2009, 13, 31-37.	2.3	149
6	Novel Partial Reductive Pathway for 4-Chloronitrobenzene and Nitrobenzene Degradation in Comamonas sp. Strain CNB-1. Applied and Environmental Microbiology, 2006, 72, 1759-1765.	3.1	145
7	Biosynthesis of novel thermoplastic polythioesters by engineered Escherichia coli. Nature Materials, 2002, 1, 236-240.	27.5	138
8	High-Throughput Single-Cell Cultivation on Microfluidic Streak Plates. Applied and Environmental Microbiology, 2016, 82, 2210-2218.	3.1	136
9	Novosphingobium taihuense sp. nov., a novel aromatic-compound-degrading bacterium isolated from Taihu Lake, China. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1229-1232.	1.7	123
10	Functional Identification of Novel Genes Involved in the Glutathione-Independent Gentisate Pathway in Corynebacterium glutamicum. Applied and Environmental Microbiology, 2005, 71, 3442-3452.	3.1	111
11	Degradation and assimilation of aromatic compounds by Corynebacterium glutamicum: another potential for applications for this bacterium?. Applied Microbiology and Biotechnology, 2012, 95, 77-89.	3.6	109
12	Plant-microbe association for rhizoremediation of chloronitroaromatic pollutants with Comamonas sp. strain CNB-1. Environmental Microbiology, 2007, 9, 465-473.	3.8	92
13	Halorubrum litoreum sp. nov., an extremely halophilic archaeon from a solar saltern. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2204-2206.	1.7	88
14	The Complete Genome of <i>Comamonas testosteroni</i> Reveals Its Genetic Adaptations to Changing Environments. Applied and Environmental Microbiology, 2009, 75, 6812-6819.	3.1	86
15	Diversity, Distribution and Co-occurrence Patterns of Bacterial Communities in a Karst Cave System. Frontiers in Microbiology, 2019, 10, 1726.	3.5	80
16	Ribosome binding site libraries and pathway modules for shikimic acid synthesis with Corynebacterium glutamicum. Microbial Cell Factories, 2015, 14, 71.	4.0	78
17	Alicyclobacillus ferrooxydans sp. nov., a ferrous-oxidizing bacterium from solfataric soil. International Journal of Systematic and Evolutionary Microbiology, 2008, 58, 2898-2903.	1.7	75
18	Rhodocista pekingensis sp. nov., a cyst-forming phototrophic bacterium from a municipal wastewater treatment plant. International Journal of Systematic and Evolutionary Microbiology, 2003, 53, 1111-1114.	1.7	74

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19	The Gene ncgl2918 Encodes a Novel Maleylpyruvate Isomerase That Needs Mycothiol as Cofactor and Links Mycothiol Biosynthesis and Gentsiate Assimilation in <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 10778-10785.	3.4	74
20	<i>Planomicrobium chinense</i> sp. nov., isolated from coastal sediment, and transfer of <i>Planococcus psychrophilus</i> and <i>Planococcus alkanoclasticus</i> to <i>Planomicrobium</i> as <i>Planomicrobium psychrophilum</i> comb. nov. and <i>Planomicrobium alkanoclasticum</i> comb. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 699-702.	1.7	72
21	gcMeta: a Global Catalogue of Metagenomics platform to support the archiving, standardization and analysis of microbiome data. <i>Nucleic Acids Research</i> , 2019, 47, D637-D648.	14.5	70
22	Microbial Interactions Drive the Complete Catabolism of the Antibiotic Sulfamethoxazole in Activated Sludge Microbiomes. <i>Environmental Science & Technology</i> , 2021, 55, 3270-3282.	10.0	70
23	A Novel Genetically Engineered Pathway for Synthesis of Poly(Hydroxyalkanoic Acids) in <i>Escherichia coli</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 739-743.	3.1	65
24	<i>Chryseobacterium taihuense</i> sp. nov., isolated from a eutrophic lake, and emended descriptions of the genus <i>Chryseobacterium</i> , <i>Chryseobacterium taiwanense</i> , <i>Chryseobacterium jejuense</i> and <i>Chryseobacterium indoltheticum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 913-919.	1.7	65
25	Activation of a Specific Gut Bacteroides-Folate-Liver Axis Benefits for the Alleviation of Nonalcoholic Hepatic Steatosis. <i>Cell Reports</i> , 2020, 32, 108005.	6.4	65
26	<i>Halorubrum alkaliphilum</i> sp. nov., a novel haloalkaliphile isolated from a soda lake in Xinjiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 149-152.	1.7	64
27	A novel 2-aminophenol 1,6-dioxygenase involved in the degradation of p-chloronitrobenzene by <i>Comamonas</i> strain CNB-1: purification, properties, genetic cloning and expression in <i>Escherichia coli</i> . <i>Archives of Microbiology</i> , 2005, 183, 1-8.	2.2	63
28	Genome-wide investigation of aromatic acid transporters in <i>Corynebacterium glutamicum</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 857-865.	1.8	63
29	<i>Comamonas testosteroni</i> uses a chemoreceptor for tricarboxylic acid cycle intermediates to trigger chemotactic responses towards aromatic compounds. <i>Molecular Microbiology</i> , 2013, 90, 813-823.	2.5	62
30	Unraveling the <i>Acidithiobacillus caldus</i> complete genome and its central metabolisms for carbon assimilation. <i>Journal of Genetics and Genomics</i> , 2011, 38, 243-252.	3.9	60
31	Abundance of Novel and Diverse <i>tfdA</i> -Like Genes, Encoding Putative Phenoxyalkanoic Acid Herbicide-Degrading Dioxygenases, in Soil. <i>Applied and Environmental Microbiology</i> , 2010, 76, 119-128.	3.1	57
32	Key Role of Cysteine Residues in Catalysis and Subcellular Localization of Sulfur Oxygenase-Reductase of <i>Acidianus tengchongensis</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 621-628.	3.1	56
33	Nucleotide Sequence of Plasmid pCNB1 from <i>Comamonas</i> Strain CNB-1 Reveals Novel Genetic Organization and Evolution for 4-Chloronitrobenzene Degradation. <i>Applied and Environmental Microbiology</i> , 2007, 73, 4477-4483.	3.1	56
34	Structural Modification of Natural Product Ganomycin I Leading to Discovery of a β -Glucosidase and HMG-CoA Reductase Dual Inhibitor Improving Obesity and Metabolic Dysfunction in Vivo. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3609-3625.	6.4	56
35	The Mouse Gut Microbial Biobank expands the coverage of cultured bacteria. <i>Nature Communications</i> , 2020, 11, 79.	12.8	55
36	<i>Flavobacterium saliperosum</i> sp. nov., isolated from freshwater lake sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 439-442.	1.7	54

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37	UV photolysis as an efficient pretreatment method for antibiotics decomposition and their antibacterial activity elimination. <i>Journal of Hazardous Materials</i> , 2020, 392, 122321.	12.4	54
38	<i>Natrinema altunense</i> sp. nov., an extremely halophilic archaeon isolated from a salt lake in Altun Mountain in Xinjiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1311-1314.	1.7	53
39	Thiosulfate Transfer Mediated by DsrE/TusA Homologs from Acidothermophilic Sulfur-oxidizing Archaeon <i>Metallosphaera cuprina</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 26949-26959.	3.4	53
40	<i>Halorubrum lipolyticum</i> sp. nov. and <i>Halorubrum aidingense</i> sp. nov., isolated from two salt lakes in Xin-Jiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1631-1634.	1.7	51
41	<i>Halorubrum xinjiangense</i> sp. nov., a novel halophile isolated from saline lakes in China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 1789-1791.	1.7	50
42	<i>Metallosphaera cuprina</i> sp. nov., an acidothermophilic, metal-mobilizing archaeon. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 2395-2400.	1.7	50
43	Cross Talk between Chemosensory Pathways That Modulate Chemotaxis and Biofilm Formation. <i>MBio</i> , 2019, 10, .	4.1	49
44	Identification and Characterization of \hat{I}^3 -Aminobutyric Acid Uptake System GabP _{Cg} (NCgl0464) in <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 2596-2601.	3.1	48
45	<i>Agrococcus terreus</i> sp. nov. and <i>Micrococcus terreus</i> sp. nov., isolated from forest soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 1897-1903.	1.7	47
46	Comparative proteomes of <i>Corynebacterium glutamicum</i> grown on aromatic compounds revealed novel proteins involved in aromatic degradation and a clear link between aromatic catabolism and gluconeogenesis via fructose-1,6-bisphosphatase. <i>Proteomics</i> , 2007, 7, 3775-3787.	2.2	46
47	Genomic Analysis and Identification of Catabolic Pathways for Aromatic Compounds in <i>Corynebacterium glutamicum</i> . <i>Microbes and Environments</i> , 2005, 20, 160-167.	1.6	45
48	New Intracellular Shikimic Acid Biosensor for Monitoring Shikimate Synthesis in <i>Corynebacterium glutamicum</i> . <i>ACS Synthetic Biology</i> , 2018, 7, 591-601.	3.8	45
49	<i>Pseudonocardia ammonioxydans</i> sp. nov., isolated from coastal sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 555-558.	1.7	44
50	<i>Paracoccus sulfuroxidans</i> sp. nov., a sulfur oxidizer from activated sludge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2693-2695.	1.7	44
51	Reconstruction of metabolic networks in a fluoranthene-degrading enrichments from polycyclic aromatic hydrocarbon polluted soil. <i>Journal of Hazardous Materials</i> , 2016, 318, 90-98.	12.4	44
52	Genetic Characterization of the Resorcinol Catabolic Pathway in <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2006, 72, 7238-7245.	3.1	43
53	<i>Cyclobacterium lianum</i> sp. nov., a marine bacterium isolated from sediment of an oilfield in the South China Sea, and emended description of the genus <i>Cyclobacterium</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2927-2930.	1.7	43
54	The earthworm <i>Aporrectodea caliginosa</i> stimulates abundance and activity of phenoxyalkanoic acid herbicide degraders. <i>ISME Journal</i> , 2011, 5, 473-485.	9.8	43

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55	NrdH Redoxin Enhances Resistance to Multiple Oxidative Stresses by Acting as a Peroxidase Cofactor in <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 1750-1762.	3.1	43
56	Functional characterization of a mycothiol peroxidase in <i>Corynebacterium glutamicum</i> that uses both mycoredoxin and thioredoxin reducing systems in the response to oxidative stress. <i>Biochemical Journal</i> , 2015, 469, 45-57.	3.7	43
57	<i>Saccharothrix xinjiangensis</i> sp. nov., a pyrene-degrading actinomycete isolated from Tianchi Lake, Xinjiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004, 54, 2091-2094.	1.7	42
58	Characterization of genes involved in the initial reactions of 4-chloronitrobenzene degradation in <i>Pseudomonasputida</i> ZWL73. <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 166-171.	3.6	42
59	<i>Corynebacterium glutamicum</i> Methionine Sulfoxide Reductase A Uses both Mycoredoxin and Thioredoxin for Regeneration and Oxidative Stress Resistance. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2781-2796.	3.1	42
60	<i>Alphaproteobacteria</i> dominate active 2-methyl-4-chlorophenoxyacetic acid herbicide degraders in agricultural soil and drilosphere. <i>Environmental Microbiology</i> , 2011, 13, 991-1009.	3.8	41
61	Novel Pathway for Chloramphenicol Catabolism in the Activated Sludge Bacterial Isolate <i>Sphingobium</i> sp. CAP-1. <i>Environmental Science & Technology</i> , 2020, 54, 7591-7600.	10.0	41
62	Responses to arsenate stress by <i>Comamonas</i> sp. strain CNB-1 at genetic and proteomic levels. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3713-3721.	1.8	39
63	Genetic and biochemical characterization of a 4-hydroxybenzoate hydroxylase from <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 78, 75-83.	3.6	39
64	Complete Genome Sequence of <i>Metallosphaera cuprina</i> , a Metal Sulfide-Oxidizing Archaeon from a Hot Spring. <i>Journal of Bacteriology</i> , 2011, 193, 3387-3388.	2.2	39
65	<i>Salegentibacter catena</i> sp. nov., isolated from sediment of the South China Sea, and emended description of the genus <i>Salegentibacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 219-222.	1.7	38
66	<i>Haloarcula amylolytica</i> sp. nov., an extremely halophilic archaeon isolated from Aibi salt lake in Xin-Jiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 103-106.	1.7	38
67	<i>Micrococcus flavus</i> sp. nov., isolated from activated sludge in a bioreactor. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 66-69.	1.7	38
68	Characterization of a Unique Pathway for 4-Cresol Catabolism Initiated by Phosphorylation in <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 6583-6594.	3.4	38
69	Multi-omics study reveals that statin therapy is associated with restoration of gut microbiota homeostasis and improvement in outcomes in patients with acute coronary syndrome. <i>Theranostics</i> , 2021, 11, 5778-5793.	10.0	38
70	Title is missing!. <i>Biotechnology Letters</i> , 1997, 19, 11-14.	2.2	37
71	<i>Haloterrigena saccharevitans</i> sp. nov., an extremely halophilic archaeon from Xin-Jiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 2539-2542.	1.7	37
72	<i>Sanguibacter marinus</i> sp. nov., isolated from coastal sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1755-1758.	1.7	37

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73	<i>Haloterrigena longa</i> sp. nov. and <i>Haloterrigena limicola</i> sp. nov., extremely halophilic archaea isolated from a salt lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1837-1840.	1.7	37
74	<i>Wenxinia marina</i> gen. nov., sp. nov., a novel member of the Roseobacter clade isolated from oilfield sediments of the South China Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 1711-1716.	1.7	37
75	Physiological adaptation of <i>Corynebacterium glutamicum</i> to benzoate as alternative carbon source – a membrane proteome-centric view. <i>Proteomics</i> , 2009, 9, 3635-3651.	2.2	37
76	<i>Deinococcus reticulitermitis</i> sp. nov., isolated from a termite gut. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 78-83.	1.7	36
77	Assimilation of aromatic compounds by <i>Comamonas testosteroni</i> : characterization and spreadability of protocatechuate 4,5-cleavage pathway in bacteria. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 6031-6041.	3.6	36
78	Automated Chemotactic Sorting and Single-cell Cultivation of Microbes using Droplet Microfluidics. <i>Scientific Reports</i> , 2016, 6, 24192.	3.3	36
79	<i>Yangia pacifica</i> gen. nov., sp. nov., a novel member of the Roseobacter clade from coastal sediment of the East China Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 529-533.	1.7	35
80	Genomic analysis of <i>Acidianus hospitalis</i> W1 a host for studying crenarchaeal virus and plasmid life cycles. <i>Extremophiles</i> , 2011, 15, 487-497.	2.3	35
81	Functional characterization of a gene cluster involved in gentisate catabolism in <i>Rhodococcus</i> sp. strain NCIMB 12038. <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 671-678.	3.6	35
82	Bacterial chemotaxis on SlipChip. <i>Lab on A Chip</i> , 2014, 14, 3074-3080.	6.0	35
83	The global catalogue of microorganisms 10K type strain sequencing project: closing the genomic gaps for the validly published prokaryotic and fungi species. <i>GigaScience</i> , 2018, 7, .	6.4	35
84	Changes to gut amino acid transporters and microbiome associated with increased E/I ratio in <i>Chd8</i> +/- mouse model of ASD-like behavior. <i>Nature Communications</i> , 2022, 13, 1151.	12.8	35
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91	<i>Zhouia amylolytica</i> gen. nov., sp. nov., a novel member of the family Flavobacteriaceae isolated from sediment of the South China Sea. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2825-2829.	1.7	33
92	Novel <i>Alcaligenes ammonioxydans</i> sp. nov. from wastewater treatment sludge oxidizes ammonia to N_2 with a previously unknown pathway. <i>Environmental Microbiology</i> , 2021, 23, 6965-6980.	3.8	33
93	Cloning and heterologous expression of a sulfur oxygenase/reductase gene from the thermoacidophilic archaeon <i>Acidianus</i> sp. S5 in <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2000, 193, 217-221.	1.8	32
94	Simultaneous biodegradation of nitrogen-containing aromatic compounds in a sequencing batch bioreactor. <i>Journal of Environmental Sciences</i> , 2007, 19, 530-535.	6.1	32
95	Phenylacetic Acid Catabolism and Its Transcriptional Regulation in <i>Corynebacterium glutamicum</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 5796-5804.	3.1	32
96	<i>Corynebacterium glutamicum</i> Contains 3-Deoxy- α -Arabino-Heptulosonate 7-Phosphate Synthases That Display Novel Biochemical Features. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5497-5503.	3.1	31
97	<i>Halobiforma lacisalsi</i> sp. nov., isolated from a salt lake in China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1949-1952.	1.7	30
98	<i>Natronorubrum aibiense</i> sp. nov., an extremely halophilic archaeon isolated from Aibi salt lake in Xin-Jiang, China, and emended description of the genus <i>Natronorubrum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1515-1517.	1.7	30
99	<i>pcaO</i> Positively Regulates <i>pcaHG</i> of the β -Ketoacid Pathway in <i>Corynebacterium glutamicum</i> . <i>Journal of Bacteriology</i> , 2010, 192, 1565-1572.	2.2	30
100	Resolution of carbon metabolism and sulfur-oxidation pathways of <i>Metallosphaera cuprina</i> Ar-4 via comparative proteomics. <i>Journal of Proteomics</i> , 2014, 109, 276-289.	2.4	30
101	Developing a Synthetic Biology Toolkit for <i>Comamonas testosteroni</i> , an Emerging Cellular Chassis for Bioremediation. <i>ACS Synthetic Biology</i> , 2018, 7, 1753-1762.	3.8	30
102	Purification and properties of the sulfur oxygenase/reductase from the acidothermophilic archaeon, <i>Acidianus</i> strain S5. <i>Extremophiles</i> , 2003, 7, 131-134.	2.3	29
103	A Novel Deaminase Involved in Chloronitrobenzene and Nitrobenzene Degradation with <i>Comamonas</i> sp. Strain CNB-1. <i>Journal of Bacteriology</i> , 2007, 189, 2677-2682.	2.2	29
104	Metabolic flux responses to genetic modification for shikimic acid production by <i>Bacillus subtilis</i> strains. <i>Microbial Cell Factories</i> , 2014, 13, 40.	4.0	29
105	<i>Natronorubrum sulfidifaciens</i> sp. nov., an extremely haloalkaliphilic archaeon isolated from Aiding salt lake in Xin-Jiang, China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 738-740.	1.7	28
106	Responses of soil microbiome to steel corrosion. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 6.	6.4	28
107	<i>Phycoccus cremeus</i> sp. nov., isolated from forest soil, and emended description of the genus <i>Phycoccus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 71-75.	1.7	27
108	<i>Parapedobacter pyrenivorans</i> sp. nov., isolated from a pyrene-degrading microbial enrichment, and emended description of the genus <i>Parapedobacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3994-3999.	1.7	27

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109	Benzoate Metabolism Intermediate Benzoyl Coenzyme A Affects Gentisate Pathway Regulation in <i>Comamonas testosteroni</i> . <i>Applied and Environmental Microbiology</i> , 2014, 80, 4051-4062.	3.1	27
110	Abundant Taxa and Favorable Pathways in the Microbiome of Soda-Saline Lakes in Inner Mongolia. <i>Frontiers in Microbiology</i> , 2020, 11, 1740.	3.5	27
111	A new subclass of intrinsic aminoglycoside nucleotidyltransferases, ANT(3 ^{II})-II, is horizontally transferred among <i>Acinetobacter</i> spp. by homologous recombination. <i>PLoS Genetics</i> , 2017, 13, e1006602.	3.5	27
112	Visualizing the invisible: class excursions to ignite children's enthusiasm for microbes. <i>Microbial Biotechnology</i> , 2020, 13, 844-887.	4.2	26
113	<i>Casimicrobium huifangae</i> gen. nov., sp. nov., a Ubiquitous "Most-Wanted" Core Bacterial Taxon from Municipal Wastewater Treatment Plants. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	26
114	Crystal Structures and Site-directed Mutagenesis of a Mycothiol-dependent Enzyme Reveal a Novel Folding and Molecular Basis for Mycothiol-mediated Maleylpyruvate Isomerization. <i>Journal of Biological Chemistry</i> , 2007, 282, 16288-16294.	3.4	25
115	A novel chemoreceptor MCP2983 from <i>Comamonas testosteroni</i> specifically binds to cis-aconitate and triggers chemotaxis towards diverse organic compounds. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2773-2781.	3.6	25
116	Environmental Adaptability and Quorum Sensing: Iron Uptake Regulation during Biofilm Formation by <i>Paracoccus denitrificans</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	25
117	<i>Clostridium algifaecis</i> sp. nov., an anaerobic bacterial species from decomposing algal scum. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3844-3848.	1.7	24
118	Biochemical and Molecular Characterization of the Gentisate Transporter GenK in <i>Corynebacterium glutamicum</i> . <i>PLoS ONE</i> , 2012, 7, e38701.	2.5	24
119	The ncg1108 (PheP Cg) gene encodes a new l-Phe transporter in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , 2011, 90, 2005-2013.	3.6	23
120	The TetR-Type Transcriptional Repressor RolR from <i>Corynebacterium glutamicum</i> Regulates Resorcinol Catabolism by Binding to a Unique Operator, <i>rolO</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 6009-6016.	3.1	22
121	A New Acyl-homoserine Lactone Molecule Generated by <i>Nitrobacter winogradskyi</i> . <i>Scientific Reports</i> , 2016, 6, 22903.	3.3	22
122	Chemotaxis Towards Aromatic Compounds: Insights from <i>Comamonas testosteroni</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2701.	4.1	22
123	<i>Roseburia hominis</i> Increases Intestinal Melatonin Level by Activating p-CREB-AANAT Pathway. <i>Nutrients</i> , 2022, 14, 117.	4.1	22
124	<i>Pseudomonas linyingensis</i> sp. nov.: A Novel Bacterium Isolated from Wheat Soil Subjected to Long-term Herbicides Application. <i>Current Microbiology</i> , 2012, 65, 595-600.	2.2	20
125	<i>Gryllotalpicola reticulitermitis</i> sp. nov., isolated from a termite gut. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 85-89.	1.7	20
126	Chemotactic screening of imidazolinone-degrading bacteria by microfluidic SlipChip. <i>Journal of Hazardous Materials</i> , 2019, 366, 512-519.	12.4	20

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127	<i>Paenibacillus taihuensis</i> sp. nov., isolated from an eutrophic lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 3652-3658.	1.7	19
128	Structures of aminophenol dioxygenase in complex with intermediate, product and inhibitor. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 32-43.	2.5	19
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