Kou-San Ju

List of Publications by Year
in descending order

33 papers	2,340 citations	361045 20 h-index	395343 33 g-index
34 all docs	34 docs citations	34 times ranked	3486 citing authors

#	Article	IF	Citations
1	Nitroaromatic Compounds, from Synthesis to Biodegradation. Microbiology and Molecular Biology Reviews, 2010, 74, 250-272.	2.9	674
2	A roadmap for natural product discovery based on large-scale genomics and metabolomics. Nature Chemical Biology, 2014, 10, 963-968.	3.9	416
3	Discovery of phosphonic acid natural products by mining the genomes of 10,000 actinomycetes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12175-12180.	3.3	168
4	Antibacterial Colorants: Characterization of Prodiginines and Their Applications on Textile Materials. Biotechnology Progress, 2008, 24, 742-747.	1.3	141
5	Phylogenetic relationships in the family Streptomycetaceae using multi-locus sequence analysis. Antonie Van Leeuwenhoek, 2017, 110, 563-583.	0.7	138
6	Metabologenomics: Correlation of Microbial Gene Clusters with Metabolites Drives Discovery of a Nonribosomal Peptide with an Unusual Amino Acid Monomer. ACS Central Science, 2016, 2, 99-108.	5.3	99
7	Different Biosynthetic Pathways to Fosfomycin in Pseudomonas syringae and Streptomyces Species. Antimicrobial Agents and Chemotherapy, 2012, 56, 4175-4183.	1.4	60
8	Control of Substrate Specificity by Active-Site Residues in Nitrobenzene Dioxygenase. Applied and Environmental Microbiology, 2006, 72, 1817-1824.	1.4	53
9	Genomics-enabled discovery of phosphonate natural products and their biosynthetic pathways. Journal of Industrial Microbiology and Biotechnology, 2014, 41, 345-356.	1.4	53
10	Elucidating the Rimosamide-Detoxin Natural Product Families and Their Biosynthesis Using Metabolite/Gene Cluster Correlations. ACS Chemical Biology, 2016, 11, 3452-3460.	1.6	42
11	Use of a Phosphonate Methyltransferase in the Identification of the Fosfazinomycin Biosynthetic Gene Cluster. Angewandte Chemie - International Edition, 2014, 53, 1334-1337.	7.2	40
12	Structural basis for methylphosphonate biosynthesis. Science, 2017, 358, 1336-1339.	6.0	39
13	A Proteomic Survey of Nonribosomal Peptide and Polyketide Biosynthesis in Actinobacteria. Journal of Proteome Research, 2012, 11, 85-94.	1.8	38
14	Discovery of the Tyrobetaine Natural Products and Their Biosynthetic Gene Cluster via Metabologenomics. ACS Chemical Biology, 2018, 13, 1029-1037.	1.6	38
15	Reconstructing the evolutionary history of nitrotoluene detection in the transcriptional regulator NtdR. Molecular Microbiology, 2009, 74, 826-843.	1.2	34
16	Discovery of the Antibiotic Phosacetamycin via a New Mass Spectrometry-Based Method for Phosphonic Acid Detection. ACS Chemical Biology, 2013, 8, 908-913.	1.6	30
17	Application of nitroarene dioxygenases in the design of novel strains that degrade chloronitrobenzenes. Microbial Biotechnology, 2009, 2, 241-252.	2.0	28
18	Evolution of a new bacterial pathway for 4-nitrotoluene degradation. Molecular Microbiology, 2011, 82, 355-364.	1.2	26

#	Article	IF	Citations
19	Genome Sequences of Three Tunicamycin-Producing Streptomyces Strains, S. chartreusis NRRL 12338, S. chartreusis NRRL 3882, and S. lysosuperificus ATCC 31396. Journal of Bacteriology, 2011, 193, 7021-7022.	1.0	24
20	Cyanohydrin Phosphonate Natural Product from Streptomyces regensis. Journal of Natural Products, 2014, 77, 243-249.	1.5	24
21	Genome Mining Reveals the Phosphonoalamide Natural Products and a New Route in Phosphonic Acid Biosynthesis. ACS Chemical Biology, 2020, 15, 1921-1929.	1.6	24
22	Fosmidomycin biosynthesis diverges from related phosphonate natural products. Nature Chemical Biology, 2019, 15, 1049-1056.	3.9	23
23	Discovery of a Phosphonoacetic Acid Derived Natural Product by Pathway Refactoring. ACS Synthetic Biology, 2017, 6, 217-223.	1.9	21
24	Mutation of bacterium Vibrio gazogenes for selective preparation of colorants. Biotechnology Progress, 2010, 26, 352-360.	1.3	18
25	Selection for Growth on 3-Nitrotoluene by 2-Nitrotoluene-Utilizing Acidovorax sp. Strain JS42 Identifies Nitroarene Dioxygenases with Altered Specificities. Applied and Environmental Microbiology, 2015, 81, 309-319.	1.4	15
26	Taxonomic evaluation of species in the Streptomyces hirsutus clade using multi-locus sequence analysis and proposals to reclassify several species in this clade. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 2444-2450.	0.8	15
27	PcxL and HpxL are flavin-dependent, oxime-forming N-oxidases in phosphonocystoximic acid biosynthesis in Streptomyces. Journal of Biological Chemistry, 2018, 293, 6859-6868.	1.6	9
28	Ent-homocyclopiamine B, a Prenylated Indole Alkaloid of Biogenetic Interest from the Endophytic Fungus Penicillium concentricum. Molecules, 2019, 24, 218.	1.7	9
29	Genome Mining and Metabolomics Uncover a Rare d-Capreomycidine Containing Natural Product and Its Biosynthetic Gene Cluster. ACS Chemical Biology, 2020, 15, 3013-3020.	1.6	9
30	Metabolomic data suggest regulation of black howler monkey (Alouatta pigra) diet composition at the molecular level. American Journal of Primatology, 2017, 79, 1-10.	0.8	8
31	Biosynthesis of Argolaphos Illuminates the Unusual Biochemical Origins of Aminomethylphosphonate and N^{Îµ}-Hydroxyarginine Containing Natural Products. Journal of the American Chemical Society, 2022, 144, 9634-9644.	6.6	7
32	New Kid on the Block: LmbU Expands the Repertoire of Specialized Metabolic Regulators in Streptomyces. Journal of Bacteriology, 2018, 200, .	1.0	6
33	Valinophos Reveals a New Route in Microbial Phosphonate Biosynthesis That Is Broadly Conserved in Nature. Journal of the American Chemical Society, 0, , .	6.6	6