

# Kou-San Ju

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,340  
citations

361296

20  
h-index

395590

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

3486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of Argolaphos Illuminates the Unusual Biochemical Origins of Aminomethylphosphonate and N <sup>μ</sup> -Hydroxyarginine Containing Natural Products. <i>Journal of the American Chemical Society</i> , 2022, 144, 9634-9644.	6.6	7
2	Genome Mining and Metabolomics Uncover a Rare d-Capreomycinidine Containing Natural Product and Its Biosynthetic Gene Cluster. <i>ACS Chemical Biology</i> , 2020, 15, 3013-3020.	1.6	9
3	Genome Mining Reveals the Phosphonoalamide Natural Products and a New Route in Phosphonic Acid Biosynthesis. <i>ACS Chemical Biology</i> , 2020, 15, 1921-1929.	1.6	24
4	Fosmidomycin biosynthesis diverges from related phosphonate natural products. <i>Nature Chemical Biology</i> , 2019, 15, 1049-1056.	3.9	23
5	Ent-homocyclopamine B, a Prenylated Indole Alkaloid of Biogenetic Interest from the Endophytic Fungus <i>Penicillium concentricum</i> . <i>Molecules</i> , 2019, 24, 218.	1.7	9
6	Discovery of the Tyrobetaine Natural Products and Their Biosynthetic Gene Cluster <i>via</i> Metabologenomics. <i>ACS Chemical Biology</i> , 2018, 13, 1029-1037.	1.6	38
7	PcxL and HpxL are flavin-dependent, oxime-forming N-oxidases in phosphonocystoximic acid biosynthesis in <i>Streptomyces</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 6859-6868.	1.6	9
8	New Kid on the Block: LmbU Expands the Repertoire of Specialized Metabolic Regulators in <i>Streptomyces</i> . <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	6
9	Discovery of a Phosphonoacetic Acid Derived Natural Product by Pathway Refactoring. <i>ACS Synthetic Biology</i> , 2017, 6, 217-223.	1.9	21
10	Metabolomic data suggest regulation of black howler monkey ( <i>Alouatta pigra</i> ) diet composition at the molecular level. <i>American Journal of Primatology</i> , 2017, 79, 1-10.	0.8	8
11	Phylogenetic relationships in the family Streptomycetaceae using multi-locus sequence analysis. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 563-583.	0.7	138
12	Structural basis for methylphosphonate biosynthesis. <i>Science</i> , 2017, 358, 1336-1339.	6.0	39
13	Elucidating the Rimosamide-Detoxin Natural Product Families and Their Biosynthesis Using Metabolite/Gene Cluster Correlations. <i>ACS Chemical Biology</i> , 2016, 11, 3452-3460.	1.6	42
14	Metabologenomics: Correlation of Microbial Gene Clusters with Metabolites Drives Discovery of a Nonribosomal Peptide with an Unusual Amino Acid Monomer. <i>ACS Central Science</i> , 2016, 2, 99-108.	5.3	99
15	Taxonomic evaluation of species in the <i>Streptomyces hirsutus</i> clade using multi-locus sequence analysis and proposals to reclassify several species in this clade. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2444-2450.	0.8	15
16	Selection for Growth on 3-Nitrotoluene by 2-Nitrotoluene-Utilizing <i>Acidovorax</i> sp. Strain JS42 Identifies Nitroarene Dioxygenases with Altered Specificities. <i>Applied and Environmental Microbiology</i> , 2015, 81, 309-319.	1.4	15
17	Discovery of phosphonic acid natural products by mining the genomes of 10,000 actinomycetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12175-12180.	3.3	168
18	Use of a Phosphonate Methyltransferase in the Identification of the Fosfazinomycin Biosynthetic Gene Cluster. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1334-1337.	7.2	40

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19	Genomics-enabled discovery of phosphonate natural products and their biosynthetic pathways. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 345-356.	1.4	53
20	A roadmap for natural product discovery based on large-scale genomics and metabolomics. <i>Nature Chemical Biology</i> , 2014, 10, 963-968.	3.9	416
21	Cyanohydrin Phosphonate Natural Product from <i>Streptomyces regensis</i> . <i>Journal of Natural Products</i> , 2014, 77, 243-249.	1.5	24
22	Discovery of the Antibiotic Phosacetamycin via a New Mass Spectrometry-Based Method for Phosphonic Acid Detection. <i>ACS Chemical Biology</i> , 2013, 8, 908-913.	1.6	30
23	Different Biosynthetic Pathways to Fosfomycin in <i>Pseudomonas syringae</i> and <i>Streptomyces</i> Species. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 4175-4183.	1.4	60
24	A Proteomic Survey of Nonribosomal Peptide and Polyketide Biosynthesis in Actinobacteria. <i>Journal of Proteome Research</i> , 2012, 11, 85-94.	1.8	38
25	Evolution of a new bacterial pathway for 4-nitrotoluene degradation. <i>Molecular Microbiology</i> , 2011, 82, 355-364.	1.2	26
26	Genome Sequences of Three Tunicamycin-Producing <i>Streptomyces</i> Strains, <i>S. chartreusis</i> NRRL 12338, <i>S. chartreusis</i> NRRL 3882, and <i>S. lysosuperificus</i> ATCC 31396. <i>Journal of Bacteriology</i> , 2011, 193, 7021-7022.	1.0	24
27	Mutation of bacterium <i>Vibrio gazogenes</i> for selective preparation of colorants. <i>Biotechnology Progress</i> , 2010, 26, 352-360.	1.3	18
28	Nitroaromatic Compounds, from Synthesis to Biodegradation. <i>Microbiology and Molecular Biology Reviews</i> , 2010, 74, 250-272.	2.9	674
29	Application of nitroarene dioxygenases in the design of novel strains that degrade chloronitrobenzenes. <i>Microbial Biotechnology</i> , 2009, 2, 241-252.	2.0	28
30	Reconstructing the evolutionary history of nitrotoluene detection in the transcriptional regulator NtdR. <i>Molecular Microbiology</i> , 2009, 74, 826-843.	1.2	34
31	Antibacterial Colorants: Characterization of Prodiginines and Their Applications on Textile Materials. <i>Biotechnology Progress</i> , 2008, 24, 742-747.	1.3	141
32	Control of Substrate Specificity by Active-Site Residues in Nitrobenzene Dioxygenase. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1817-1824.	1.4	53
33	Valinophos Reveals a New Route in Microbial Phosphonate Biosynthesis That Is Broadly Conserved in Nature. <i>Journal of the American Chemical Society</i> , 0, , .	6.6	6