

# Shuang-Jun Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,185  
citations

430874

18  
h-index

454955

30  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regiospecific Chlorination of ( <i>S</i> )- $\beta$ -Tyrosyl- <i>S</i> -Carrier Protein Catalyzed by SgcC3 in the Biosynthesis of the Eneidine Antitumor Antibiotic C-1027. <i>Journal of the American Chemical Society</i> , 2007, 129, 12432-12438.	13.7	87
2	Functional Genome Mining Reveals a Class V Lanthipeptide Containing a <i>d</i> -Amino Acid Introduced by an F <sub>420</sub> H <sub>2</sub> -Dependent Reductase. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18029-18035.	13.8	84
3	A free-standing condensation enzyme catalyzing ester bond formation in C-1027 biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4183-4188.	7.1	80
4	Functional Genome Mining for Metabolites Encoded by Large Gene Clusters through Heterologous Expression of a Whole-Genome Bacterial Artificial Chromosome Library in <i>Streptomyces</i> spp. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5795-5805.	3.1	65
5	Identification and Characterization of the Pyridomycin Biosynthetic Gene Cluster of <i>Streptomyces pyridomyceticus</i> NRRL B-2517. <i>Journal of Biological Chemistry</i> , 2011, 286, 20648-20657.	3.4	50
6	Intramolecular chaperone-mediated secretion of an Rhs effector toxin by a type VI secretion system. <i>Nature Communications</i> , 2020, 11, 1865.	12.8	46
7	Identification and characterization of the biosynthetic gene cluster of polyoxypeptin A, a potent apoptosis inducer. <i>BMC Microbiology</i> , 2014, 14, 30.	3.3	45
8	Characterization of Streptonigrin Biosynthesis Reveals a Cryptic Carboxyl Methylation and an Unusual Oxidative Cleavage of a N-C Bond. <i>Journal of the American Chemical Society</i> , 2013, 135, 1739-1748.	13.7	39
9	Stereospecific Biosynthesis of $\beta$ -Methyltryptophan from <i>L</i> -Tryptophan Features a Stereochemical Switch. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12951-12955.	13.8	39
10	Operon for Biosynthesis of Lipstatin, the Beta-Lactone Inhibitor of Human Pancreatic Lipase. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7473-7483.	3.1	34
11	Characterization of 2-Oxindole Forming Heme Enzyme MarE, Expanding the Functional Diversity of the Tryptophan Dioxygenase Superfamily. <i>Journal of the American Chemical Society</i> , 2017, 139, 11887-11894.	13.7	30
12	Characterization of an efficient estrogen-degrading bacterium <i>Stenotrophomonas maltophilia</i> SJTH1 in saline-, alkaline-, heavy metal-contained environments or solid soil and identification of four 17 $\beta$ -estradiol-oxidizing dehydrogenases. <i>Journal of Hazardous Materials</i> , 2020, 385, 121616.	12.4	30
13	A <i>Trans</i> -Acting Ketoreductase in Biosynthesis of a Symmetric Polyketide Dimer SIA7248. <i>ChemBioChem</i> , 2013, 14, 679-683.	2.6	27
14	Design and Biosynthesis of Dimeric Alboflavusins with Biaryl Linkages via Regiospecific C-C Bond Coupling. <i>Journal of the American Chemical Society</i> , 2018, 140, 18009-18015.	13.7	26
15	Biosynthesis of the pyrrolidine protein synthesis inhibitor anisomycin involves novel gene ensemble and cryptic biosynthetic steps. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4135-4140.	7.1	25
16	Formation of an Angular Aromatic Polyketide from a Linear Anthrene Precursor via Oxidative Rearrangement. <i>Cell Chemical Biology</i> , 2017, 24, 881-891.e4.	5.2	21
17	Enzymatic Pyran Formation Involved in Xiamenmycin Biosynthesis. <i>ACS Catalysis</i> , 2019, 9, 5391-5399.	11.2	20
18	Divergent biosynthesis of indole alkaloids FR900452 and spiro-maremycins. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5446-5451.	2.8	19

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19	A novel streptonigrin type alkaloid from the <i>Streptomyces flocculus</i> CGMCC 4.1223 mutant $\Gamma^{\text{stnA/Q2}}$ . <i>Natural Product Research</i> , 2020, , 1-9.	1.8	19
20	A new glutarimide derivative from marine sponge-derived <i>Streptomyces anulatus</i> S71. <i>Natural Product Research</i> , 2014, 28, 1602-1606.	1.8	18
21	Biosynthesis of Tropolones in <i>Streptomyces</i> spp.: Interweaving Biosynthesis and Degradation of Phenylacetic Acid and Hydroxylations on the Tropone Ring. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	18
22	Chirality-influenced antibacterial activity of methylthiazole- and thiadiazole-based supramolecular biocompatible hydrogels. <i>Acta Biomaterialia</i> , 2022, 141, 59-69.	8.3	18
23	Probing Indole Diketopiperazine-Based Hybrids as Environmental-Induced Products from <i>Aspergillus</i> sp. EGF 15-0-3. <i>Organic Letters</i> , 2022, 24, 158-163.	4.6	18
24	Indole methylation protects diketopiperazine configuration in the maremycin biosynthetic pathway. <i>Science China Chemistry</i> , 2016, 59, 1224-1228.	8.2	17
25	Naphthoquinone-Based Meroterpenoids from Marine-Derived <i>Streptomyces</i> sp. B9173. <i>Biomolecules</i> , 2020, 10, 1187.	4.0	16
26	One-Pot Asymmetric Synthesis of an Aminodiol Intermediate of Florfenicol Using Engineered Transketolase and Transaminase. <i>ACS Catalysis</i> , 2021, 11, 7477-7488.	11.2	16
27	Tailoring Enzymes Acting on Carrier Protein-Tethered Substrates in Natural Product Biosynthesis. <i>Methods in Enzymology</i> , 2012, 516, 321-343.	1.0	15
28	Identification of (2S,3S)- $\beta^2$ -Methyltryptophan as the Real Biosynthetic Intermediate of Antitumor Agent Streptonigrin. <i>Scientific Reports</i> , 2016, 6, 20273.	3.3	15
29	StnK2 catalysing a Pictet-Spengler reaction involved in the biosynthesis of the antitumor reagent streptonigrin. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 9124-9128.	2.8	15
30	NRPS Protein MarQ Catalyzes Flexible Adenylation and Specific S-Methylation. <i>ACS Chemical Biology</i> , 2018, 13, 2387-2391.	3.4	15
31	Characterization of an $\beta^2$ -estradiol-degrading bacterium <i>Stenotrophomonas maltophilia</i> SJTL3 tolerant to adverse environmental factors. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1291-1305.	3.6	15
32	Functional Genome Mining Reveals a Class V Lanthipeptide Containing $\alpha$ -Amino Acid Introduced by an F420H2-Dependent Reductase. <i>Angewandte Chemie</i> , 2020, 132, 18185-18191.	2.0	15
33	The molecular basis for the intramolecular migration (NIH shift) of the carboxyl group during <i>para</i> -hydroxybenzoate catabolism. <i>Molecular Microbiology</i> , 2018, 110, 411-424.	2.5	14
34	FIGNL1 is overexpressed in small cell lung cancer patients and enhances NCI-H446 cell resistance to cisplatin and etoposide. <i>Oncology Reports</i> , 2017, 37, 1935-1942.	2.6	13
35	Substrate-bound structures of a ketoreductase from amphotericin modular polyketide synthase. <i>Journal of Structural Biology</i> , 2018, 203, 135-141.	2.8	13
36	Characterization of the Phenanthrene-Degrading <i>Sphingobium yanoikuyae</i> SJTF8 in Heavy Metal Co-Existing Liquid Medium and Analysis of Its Metabolic Pathway. <i>Microorganisms</i> , 2020, 8, 946.	3.6	13

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37	Transformation of Streptonigrin to Streptonigrone: Flavin Reductase-Mediated Flavin-Catalyzed Concomitant Oxidative Decarboxylation of Picolinic Acid Derivatives. <i>ACS Catalysis</i> , 2016, 6, 2831-2835.	11.2	11
38	Biosynthetic access to the rare antiarose sugar <i>via</i> an unusual reductase-epimerase. <i>Chemical Science</i> , 2020, 11, 3959-3964.	7.4	11
39	Antimicrobial Activity with Enhanced Mechanical Properties in Phenylalanine-Based Chiral Coassembled Hydrogels: The Influence of Pyridine Hydrazone Derivatives. <i>ACS Applied Bio Materials</i> , 2020, 3, 2295-2304.	4.6	11
40	Characterization of Lysozyme-Like Effector TseP Reveals the Dependence of Type VI Secretion System (T6SS) Secretion on Effectors in <i>Aeromonas dhakensis</i> Strain SSU. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0043521.	3.1	11
41	Xantholin B produced by the <i>stnR</i> inactivation mutant <i>Streptomyces flocculus</i> CGMCC 4.1223 WJN-1. <i>Journal of Antibiotics</i> , 2017, 70, 90-95.	2.0	10
42	Oxidative Indole Dearomatization for Asymmetric Furoindoline Synthesis by a Flavin-Dependent Monooxygenase Involved in the Biosynthesis of Bicyclic Thiopeptide Thiostrepton. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8401-8405.	13.8	9
43	Aryl C-H iodination: are there actual flavin-dependent iodinases in nature?. <i>Science China Chemistry</i> , 2021, 64, 1730-1735.	8.2	9
44	Metabolism analysis of 17 $\beta$ -ethynylestradiol by <i>Pseudomonas citronellolis</i> SJTE-3 and identification of the functional genes. <i>Journal of Hazardous Materials</i> , 2022, 423, 127045.	12.4	8
45	Characterization of the Tellurite-Resistance Properties and Identification of the Core Function Genes for Tellurite Resistance in <i>Pseudomonas citronellolis</i> SJTE-3. <i>Microorganisms</i> , 2022, 10, 95.	3.6	7
46	Functional Characterization of PyrG, an Unusual Nonribosomal Peptide Synthetase Module from the Pyridomycin Biosynthetic Pathway. <i>ChemBioChem</i> , 2016, 17, 1421-1425.	2.6	6
47	Structural basis of the mechanism of $\beta^2$ -methyl epimerization by enzyme MarH. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9605-9614.	2.8	6
48	A Validamycin Shunt Pathway for Valienamine Synthesis in Engineered <i>Streptomyces hygrosopicus</i> 5008. <i>ACS Synthetic Biology</i> , 2020, 9, 294-303.	3.8	6
49	Structural Insight into the Tetramerization of an Iterative Ketoreductase SiaM through Aromatic Residues in the Interfaces. <i>PLoS ONE</i> , 2014, 9, e97996.	2.5	4
50	The <i>Streptomyces viridochromogenes</i> product template domain represents an evolutionary intermediate between dehydratase and aldol cyclase of type I polyketide synthases. <i>Communications Biology</i> , 2022, 5, .	4.4	3
51	Draft Genome Sequence of <i>Streptomyces</i> sp. B9173, a Producer of Indole Diketopiperazine Maremycins. <i>Genome Announcements</i> , 2017, 5, .	0.8	2
52	Synthesis, antimycobacterial activity and influence on mycobacterial InhA and PknB of 12-membered cyclopeptide. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3166-3190.	3.0	2
53	Tryptophan-Derived Microbial Alkaloids. , 2020, , 393-445.		2
54	Characterization of Pyridomycin B Reveals the Formation of Functional Groups in Antimycobacterial Pyridomycin. <i>Applied and Environmental Microbiology</i> , 2022, 88, AEM0203521.	3.1	2

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55	The resolution of aglinin A epimers and their NMR assignments. <i>Journal of Asian Natural Products Research</i> , 2013, 15, 89-93.	1.4	1
56	An Acyl Transfer Reaction Catalyzed by an Epimerase MarH. <i>ACS Catalysis</i> , 2016, 6, 788-792.	11.2	1
57	RedH and PigC Catalyze the Biosynthesis of Hybrubins via Phosphorylation of 4-Methoxy-2,2-Bipyrrole-5-Carbaldehyde. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	1
58	The 3-oxoacyl-(acyl-carrier-protein) reductase HSD-X1 of <i>Pseudomonas citronellolis</i> SJTE-3 catalyzes the conversion of 17 $\beta$ -estradiol to estrone. <i>Protein and Peptide Letters</i> , 2022, 29, .	0.9	1
59	Spot 42 RNA regulates putrescine catabolism in <i>Escherichia coli</i> by controlling the expression of puuE at the post-transcription level. <i>Journal of Microbiology</i> , 2021, 59, 175-185.	2.8	0
60	Oxidative Indole Dearomatization for Asymmetric Furoindoline Synthesis by a Flavin-Dependent Monooxygenase Involved in the Biosynthesis of Bicyclic Thiopeptide Thiostrepton. <i>Angewandte Chemie</i> , 2021, 133, 8482-8486.	2.0	0
61	An N-N linked dimeric indole alkaloid from the marine sponge-associated rare actinomycetes <i>Kocuria</i> sp. S42. <i>Natural Product Research</i> , 0, , 1-7.	1.8	0