

Tsung-Lin Li

List of Publications by Year in descending order

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54
papers

1,305
citations

279487

23
h-index

360668

35
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56
all docs

56
docs citations

56
times ranked

2150
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Mechanistic Bases for StnK3 and Its Mutant-Mediated Lewis-Acid-Dependent Epimerization and Retro-Aldol Reactions. <i>ACS Catalysis</i> , 2022, 12, 1945-1956.	5.5	0
2	KasQ an Epimerase Primes the Biosynthesis of Aminoglycoside Antibiotic Kasugamycin and KasF/H Acetyltransferases Inactivate Its Activity. <i>Biomedicines</i> , 2022, 10, 212.	1.4	1
3	Dual-Mechanism Confers Self-Resistance to the Antituberculosis Antibiotic Capreomycin. <i>ACS Chemical Biology</i> , 2022, 17, 138-146.	1.6	5
4	Four cucurbitane glycosides taimordisins A–D with novel furopyranone skeletons isolated from the fruits of <i>Momordica charantia</i> . <i>Food Chemistry: X</i> , 2022, 14, 100286.	1.8	4
5	Immunomodulation and mechanisms of fucoidan from <i>Cladosiphon okamuranus</i> ameliorates atopic dermatitis symptoms. <i>International Journal of Biological Macromolecules</i> , 2021, 189, 537-543.	3.6	10
6	Topical application of fucoidan derived from <i>Cladosiphon okamuranus</i> alleviates atopic dermatitis symptoms through immunomodulation. <i>International Immunopharmacology</i> , 2021, 101, 108362.	1.7	5
7	Positive Effects of Preventive Nutrition Supplement on Anticancer Radiotherapy in Lung Cancer Bearing Mice. <i>Cancers</i> , 2020, 12, 2445.	1.7	3
8	Theoretical Study of Intermolecular Interactions between Critical Residues of Membrane Protein MrAY _{AA} and Promising Antibiotic Muraymycin D2. <i>ACS Omega</i> , 2020, 5, 22739-22749.	1.6	5
9	Structural and chemical trapping of flavin-oxide intermediates reveals substrate-directed reaction multiplicity. <i>Protein Science</i> , 2020, 29, 1655-1666.	3.1	4
10	Chemoenzymatic Synthesis and Biological Evaluation for Bioactive Molecules Derived from Bacterial Benzoyl Coenzyme A Ligase and Plant Type III Polyketide Synthase. <i>Biomolecules</i> , 2020, 10, 738.	1.8	4
11	The concurrent treatment of <i>Scutellaria baicalensis</i> Georgi enhances the therapeutic efficacy of cisplatin but also attenuates chemotherapy-induced cachexia and acute kidney injury. <i>Journal of Ethnopharmacology</i> , 2019, 243, 112075.	2.0	24
12	Antitumor, Inhibition of Metastasis and Radiosensitizing Effects of Total Nutrition Formula on Lewis Tumor-Bearing Mice. <i>Nutrients</i> , 2019, 11, 1944.	1.7	5
13	Teicoplanin Reprogrammed with the N-Acyl-Glucosamine Pharmacophore at the Penultimate Residue of Aglycone Acquires Broad-Spectrum Antimicrobial Activities Effectively Killing Gram-Positive and -Negative Pathogens. <i>ACS Infectious Diseases</i> , 2019, 5, 430-442.	1.8	5
14	Biochemical and structural explorations of α -hydroxyacid oxidases reveal a four-electron oxidative decarboxylation reaction. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 733-742.	1.1	6
15	The flavin mononucleotide cofactor in α -hydroxyacid oxidases exerts its electrophilic/nucleophilic duality in control of the substrate-oxidation level. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 918-929.	1.1	3
16	The Mesomeric Effect of Thiazolium on non-Kekulé Diradicals in <i>Pichia stipitis</i> Transketolase. <i>Angewandte Chemie</i> , 2018, 130, 1820-1825.	1.6	2
17	The Mesomeric Effect of Thiazolium on non-Kekulé Diradicals in <i>Pichia stipitis</i> Transketolase. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1802-1807.	7.2	4
18	Evidence of Diradicals Involved in the Yeast Transketolase Catalyzed Keto-Transferring Reactions. <i>ChemBioChem</i> , 2018, 19, 2395-2402.	1.3	4

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19	Nanodiamonds as Nucleating Agents for Protein Crystallization. <i>Langmuir</i> , 2017, 33, 6521-6527.	1.6	16
20	Peptides from hydrolysate of lantern fish (<i>Benthoosema pterotum</i>) proved neuroprotective in vitro and in vivo. <i>Journal of Functional Foods</i> , 2016, 24, 438-449.	1.6	49
21	Structural and biochemical interrogation on transketolase from <i>Pichia stipitis</i> for new functionality. <i>Protein Engineering, Design and Selection</i> , 2016, 29, 513-522.	1.0	5
22	Prophylactic Administration of Fucoidan Represses Cancer Metastasis by Inhibiting Vascular Endothelial Growth Factor (VEGF) and Matrix Metalloproteinases (MMPs) in Lewis Tumor-Bearing Mice. <i>Marine Drugs</i> , 2015, 13, 1882-1900.	2.2	85
23	<i>Antrodia cinnamomea</i> alleviates cisplatin-induced hepatotoxicity and enhances chemo-sensitivity of line-1 lung carcinoma xenografted in BALB/cByJ mice. <i>Oncotarget</i> , 2015, 6, 25741-25754.	0.8	20
24	Skeletal muscle atrophy is attenuated in tumor-bearing mice under chemotherapy by treatment with fish oil and selenium. <i>Oncotarget</i> , 2015, 6, 7758-7773.	0.8	31
25	Insights into the binding specificity and catalytic mechanism of <i>N</i> -acetylhexosamine 1-phosphate kinases through multiple reaction complexes. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1401-1410.	2.5	13
26	Structure and mechanism of a nonhaem-iron SAM-dependent <i>C</i> -methyltransferase and its engineering to a hydratase and an <i>O</i> -methyltransferase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 1549-1560.	2.5	30
27	Biosynthesis of Streptolidine Involved Two Unexpected Intermediates Produced by a Dihydroxylase and a Cyclase through Unusual Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1943-1948.	7.2	47
28	Multiple Complexes of Long Aliphatic <i>N</i> -Acyltransferases Lead to Synthesis of 2,6-Diacylated/2-Acyl-Substituted Glycopeptide Antibiotics, Effectively Killing Vancomycin-Resistant Enterococcus. <i>Journal of the American Chemical Society</i> , 2014, 136, 10989-10995.	6.6	20
29	Evaluation of lanternfish (<i>Benthoosema pterotum</i>) hydrolysates as antioxidants against hydrogen peroxide induced oxidative injury. <i>Food Research International</i> , 2013, 54, 1409-1418.	2.9	16
30	Reduction of Splenic Immunosuppressive Cells and Enhancement of Anti-Tumor Immunity by Synergy of Fish Oil and Selenium Yeast. <i>PLoS ONE</i> , 2013, 8, e52912.	1.1	23
31	Composition characterization of Myctophids (<i>Benthoosema pterotum</i>): Antioxidation and safety evaluations for Myctophids protein hydrolysates. <i>Food Research International</i> , 2012, 46, 118-126.	2.9	15
32	Engineering Transaldolase in <i>Pichia stipitis</i> to Improve Bioethanol Production. <i>ACS Chemical Biology</i> , 2012, 7, 481-486.	1.6	16
33	Chain Elongation and Cyclization in Type III PKS DpgA. <i>ChemBioChem</i> , 2012, 13, 862-871.	1.3	9
34	Inhibition of Japanese Encephalitis Virus Infection by the Sulfated Polysaccharide Extracts from <i>Ulva lactuca</i> . <i>Marine Biotechnology</i> , 2012, 14, 468-478.	1.1	68
35	Combining biocatalysis and chemoselective chemistries for glycopeptide antibiotics modification. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 170-178.	2.8	18
36	Prevention of human enterovirus 71 infection by kappa carrageenan. <i>Antiviral Research</i> , 2012, 95, 128-134.	1.9	68

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37	Amino Acid Substitutions of MagA in <i>Klebsiella pneumoniae</i> Affect the Biosynthesis of the Capsular Polysaccharide. <i>PLoS ONE</i> , 2012, 7, e46783.	1.1	36
38	Regioselective deacetylation based on teicoplanin-complexed Orf2* crystal structures. <i>Molecular BioSystems</i> , 2011, 7, 1224.	2.9	22
39	Passive immune-protection of small abalone against <i>Vibrio alginolyticus</i> infection by anti- <i>Vibrio</i> IgY-encapsulated feed. <i>Fish and Shellfish Immunology</i> , 2011, 30, 1042-1048.	1.6	36
40	Epigallocatechin-3-gallate effectively attenuates skeletal muscle atrophy caused by cancer cachexia. <i>Cancer Letters</i> , 2011, 305, 40-49.	3.2	67
41	Functions of Some Capsular Polysaccharide Biosynthetic Genes in <i>Klebsiella pneumoniae</i> NTUH K-2044. <i>PLoS ONE</i> , 2011, 6, e21664.	1.1	38
42	Interception of teicoplanin oxidation intermediates yields new antimicrobial scaffolds. <i>Nature Chemical Biology</i> , 2011, 7, 304-309.	3.9	58
43	Transcutaneous immunization by lipoplex-patch based DNA vaccines is effective vaccination against Japanese encephalitis virus infection. <i>Journal of Controlled Release</i> , 2009, 135, 242-249.	4.8	27
44	Identification of a Pentaketide Stilbene Produced by a Type III Polyketide Synthase from <i>Pinus sylvestris</i> and Characterisation of Free Coenzyme A Intermediates. <i>ChemBioChem</i> , 2009, 10, 896-901.	1.3	12
45	In vitro Characterization of Enzymes Involved in the Synthesis of Nonproteinogenic Residue (2 <i>S</i> ,3 <i>S</i>)-Methylphenylalanine in Glycopeptide Antibiotic Mannopectimycin. <i>ChemBioChem</i> , 2009, 10, 2480-2487.	1.3	38
46	Transdermal immunization with low-pressure-gene-gun mediated chitosan-based DNA vaccines against Japanese encephalitis virus. <i>Biomaterials</i> , 2009, 30, 6017-6025.	5.7	29
47	A Unique Flavin Mononucleotide-Linked Primary Alcohol Oxidase for Glycopeptide A40926 Maturation. <i>Journal of the American Chemical Society</i> , 2007, 129, 13384-13385.	6.6	26
48	Glycopeptide Biosynthesis: Dbv21/Orf2* from dbv/tcp Gene Clusters Are N-Ac-Glm Teicoplanin Pseudoaglycone Deacetylases and Orf15 from cep Gene Cluster Is a Glc-1-P Thymidyltransferase. <i>Journal of the American Chemical Society</i> , 2006, 128, 13694-13695.	6.6	24
49	The Gene Cluster for Fluorometabolite Biosynthesis in <i>Streptomyces cattleya</i> : A Thioesterase Confers Resistance to Fluoroacetyl-Coenzyme A. <i>Chemistry and Biology</i> , 2006, 13, 475-484.	6.2	58
50	Biosynthetic Gene Cluster of the Glycopeptide Antibiotic Teicoplanin. <i>Chemistry and Biology</i> , 2004, 11, 107-119.	6.2	59
51	Biosynthesis of the vancomycin group of antibiotics: characterisation of a type III polyketide synthase in the pathway to (S)-3,5-dihydroxyphenylglycine. <i>Chemical Communications</i> , 2001, , 2156-2157.	2.2	30
52	Characterisation of a hydroxymandelate oxidase involved in the biosynthesis of two unusual amino acids occurring in the vancomycin group of antibiotics. <i>Chemical Communications</i> , 2001, , 1752-1753.	2.2	25
53	QUENCHING MECHANISMS AND KINETICS OF CAROTENOIDS IN RIBOFLAVIN PHOTOSENSITIZED SINGLET OXYGEN OXIDATION OF VITAMIN D2. <i>Journal of Food Biochemistry</i> , 2000, 24, 477-492.	1.2	38
54	Stability and Photochemistry of Vitamin D2 in Model System. <i>Journal of Food Science</i> , 1998, 63, 413-417.	1.5	26