

Yu-Liang Yang

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

6,279
citations

109137

35
h-index

71532

76
g-index

96
all docs

96
docs citations

96
times ranked

9149
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Potential Biocontrol Agent <i>Paenibacillus polymyxa</i> TP3 Produces Fusaricidin-Type Compounds Involved in the Antagonism Against Gray Mold Pathogen <i>Botrytis cinerea</i> . <i>Phytopathology</i> , 2022, 112, 775-783. | 1.1 | 9 |
| 2 | Rhizospheric plant-microbe synergistic interactions achieve efficient arsenic phytoextraction by <i>Pteris vittata</i> . <i>Journal of Hazardous Materials</i> , 2022, 434, 128870. | 6.5 | 24 |
| 3 | The brown root rot fungus <i>Phellinus noxius</i> affects microbial communities in different root-associated niches of <i>Ficus</i> trees. <i>Environmental Microbiology</i> , 2022, 24, 276-297. | 1.8 | 7 |
| 4 | Evaluation of the Antifungal Activities of <i>Photobacterium akhurstii</i> and Its Secondary Metabolites against Phytopathogenic <i>Colletotrichum gloeosporioides</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 403. | 1.5 | 4 |
| 5 | Integrated omics approach to unveil antifungal bacterial polyynes as acetyl-CoA acetyltransferase inhibitors. <i>Communications Biology</i> , 2022, 5, 454. | 2.0 | 8 |
| 6 | Untargeted LC-MS/MS-Based Multi-Informative Molecular Networking for Targeting the Antiproliferative Ingredients in <i>Tetradium ruticarpum</i> Fruit. <i>Molecules</i> , 2022, 27, 4462. | 1.7 | 4 |
| 7 | Visualizing vinca alkaloids in the petal of <i>Catharanthus roseus</i> using functionalized titanium oxide nanowire substrate for surface-assisted laser desorption/ionization imaging mass spectrometry. <i>Plant Journal</i> , 2021, 105, 1123-1133. | 2.8 | 21 |
| 8 | Natural alkaloid tryptanthrin exhibits novel anticryptococcal activity. <i>Medical Mycology</i> , 2021, 59, 545-556. | 0.3 | 6 |
| 9 | Specific inactivation of an antifungal bacterial siderophore by a fungal plant pathogen. <i>ISME Journal</i> , 2021, 15, 1858-1861. | 4.4 | 18 |
| 10 | Targeted Isolation of Xenicane Diterpenoids From Taiwanese Soft Coral <i>Asterospicularia laurae</i> . <i>Marine Drugs</i> , 2021, 19, 123. | 2.2 | 4 |
| 11 | Natural polyketide 6-pentyl-2-hydroxy-pyrone-2-one and its synthetic analogues efficiently prevent marine biofouling. <i>Biofouling</i> , 2021, 37, 257-266. | 0.8 | 6 |
| 12 | Integrated Omics Strategy Reveals Cyclic Lipopeptides Empedopeptins from <i>Massilia</i> sp. YMA4 and Their Biosynthetic Pathway. <i>Marine Drugs</i> , 2021, 19, 209. | 2.2 | 5 |
| 13 | Polyketides with Anti-neuroinflammatory Activity from <i>Theissenia cinerea</i> . <i>Journal of Natural Products</i> , 2021, 84, 1898-1903. | 1.5 | 9 |
| 14 | Whole Genome Sequencing and Tn5-Insertion Mutagenesis of <i>Pseudomonas taiwanensis</i> CMS to Probe Its Antagonistic Activity Against Rice Bacterial Blight Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8639. | 1.8 | 2 |
| 15 | Efficient identification of fungal antimicrobial principles by tandem MS and NMR database. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 860-868. | 0.9 | 7 |
| 16 | A piezo-ring-on-chip microfluidic device for simple and low-cost mass spectrometry interfacing. <i>Analyst</i> , 2018, 143, 981-988. | 1.7 | 8 |
| 17 | Chemistry and Biology of Salicyl-Capped Siderophores. <i>Studies in Natural Products Chemistry</i> , 2018, 59, 431-490. | 0.8 | 10 |
| 18 | Genome mining of <i>Streptomyces xinghaiensis</i> NRRL B-24674T for the discovery of the gene cluster involved in anticomplement activities and detection of novel xiamycin analogs. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9549-9562. | 1.7 | 8 |

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|----|--|-----|-----------|
| 19 | Anti-Lymphangiogenesis Components from Zoanthid <i>Palythoa tuberculosa</i> . <i>Marine Drugs</i> , 2018, 16, 47. | 2.2 | 10 |
| 20 | Biological control of potato common scab by <i>Bacillus amyloliquefaciens</i> Ba01. <i>PLoS ONE</i> , 2018, 13, e0196520. | 1.1 | 48 |
| 21 | A Polysaccharide Derived from a <i>Trichosporon</i> sp. Culture Strongly Primes Plant Resistance to Viruses. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 1257-1270. | 1.4 | 11 |
| 22 | Exploration of Fungal Metabolic Interactions Using Imaging Mass Spectrometry on Nanostructured Silicon. <i>Journal of Natural Products</i> , 2018, 81, 1527-1533. | 1.5 | 14 |
| 23 | Imaging mass spectrometry for metabolites: technical progress, multimodal imaging, and biological interactions. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2017, 9, e1387. | 6.6 | 42 |
| 24 | <i>Bacillus</i> Classification Based on Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry—Effects of Culture Conditions. <i>Scientific Reports</i> , 2017, 7, 15546. | 1.6 | 23 |
| 25 | Butyrolactones and Diketopiperazines from Marine Microbes: Inhibition Effects on Dengue Virus Type 2 Replication. <i>Planta Medica</i> , 2017, 83, 158-163. | 0.7 | 12 |
| 26 | Clarification of the Antagonistic Effect of the Lipopeptides Produced by <i>Bacillus amyloliquefaciens</i> BPD1 against <i>Pyricularia oryzae</i> via In Situ MALDI-TOF IMS Analysis. <i>Molecules</i> , 2016, 21, 1670. | 1.7 | 35 |
| 27 | Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837. | 9.4 | 2,802 |
| 28 | Involvement of type VI secretion system in secretion of iron chelator pyoverdine in <i>Pseudomonas taiwanensis</i> . <i>Scientific Reports</i> , 2016, 6, 32950. | 1.6 | 60 |
| 29 | Nanoscale silicon surface-assisted laser desorption/ionization mass spectrometry: environment stability and activation by simple vacuum oven desiccation. <i>Analyst</i> , 2016, 141, 4973-4981. | 1.7 | 14 |
| 30 | Genome mining reveals the biosynthetic potential of the marine-derived strain <i>Streptomyces marokkonensis</i> M10. <i>Synthetic and Systems Biotechnology</i> , 2016, 1, 56-65. | 1.8 | 18 |
| 31 | Vitroprocines, new antibiotics against <i>Acinetobacter baumannii</i> , discovered from marine <i>Vibrio</i> sp. QWI-06 using mass-spectrometry-based metabolomics approach. <i>Scientific Reports</i> , 2015, 5, 12856. | 1.6 | 33 |
| 32 | Rapid identification of haloarchaea and methanoarchaea using the matrix assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Scientific Reports</i> , 2015, 5, 16326. | 1.6 | 15 |
| 33 | New Meroterpenoids from <i>Aspergillus terreus</i> with Inhibition of Cyclooxygenase-2 Expression. <i>Organic Letters</i> , 2015, 17, 2330-2333. | 2.4 | 33 |
| 34 | Avenaciolides: Potential MurA-Targeted Inhibitors Against Peptidoglycan Biosynthesis in Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA). <i>Journal of the American Chemical Society</i> , 2015, 137, 267-275. | 6.6 | 34 |
| 35 | Analysis of the biosynthesis of antibacterial cyclic dipeptides in <i>Nocardiosis alba</i> . <i>Archives of Microbiology</i> , 2014, 196, 765-774. | 1.0 | 21 |
| 36 | Characterization of the flocculating agent from the spontaneously flocculating microalga <i>Chlorella vulgaris</i> JSC-7. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 29-33. | 1.1 | 107 |

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|----|--|-----|-----------|
| 37 | Bringing microbial interactions to light using imaging mass spectrometry. <i>Natural Product Reports</i> , 2014, 31, 739. | 5.2 | 52 |
| 38 | Microbiota of Healthy Corals Are Active against Fungi in a Light-Dependent Manner. <i>ACS Chemical Biology</i> , 2014, 9, 2300-2308. | 1.6 | 58 |
| 39 | Characterization of flocculating agent from the self-flocculating microalga <i>Scenedesmus obliquus</i> AS-6-1 for efficient biomass harvest. <i>Bioresource Technology</i> , 2013, 145, 285-289. | 4.8 | 114 |
| 40 | Generation of Reactive Oxygen Species by Polyenylpyrroles Derivatives Causes DNA Damage Leading to G2/M Arrest and Apoptosis in Human Oral Squamous Cell Carcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e67603. | 1.1 | 25 |
| 41 | Polyenylpyrrole Derivatives Inhibit NLRP3 Inflammasome Activation and Inflammatory Mediator Expression by Reducing Reactive Oxygen Species Production and Mitogen-Activated Protein Kinase Activation. <i>PLoS ONE</i> , 2013, 8, e76754. | 1.1 | 28 |
| 42 | Observing the invisible through imaging mass spectrometry, a window into the metabolic exchange patterns of microbes. <i>Journal of Proteomics</i> , 2012, 75, 5069-5076. | 1.2 | 39 |
| 43 | Asperjinone, a Nor-Neolignan, and Terrein, a Suppressor of ABCG2-Expressing Breast Cancer Cells, from Thermophilic <i>Aspergillus terreus</i> . <i>Journal of Natural Products</i> , 2012, 75, 630-635. | 1.5 | 103 |
| 44 | Oligosaccharide and Peptidoglycan of <i>Ganoderma lucidum</i> Activate the Immune Response in Human Mononuclear Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 2830-2837. | 2.4 | 28 |
| 45 | A mass spectrometry-guided genome mining approach for natural product peptidogenomics. <i>Nature Chemical Biology</i> , 2011, 7, 794-802. | 3.9 | 329 |
| 46 | Imaging Mass Spectrometry and Genome Mining via Short Sequence Tagging Identified the Anti-Infective Agent Arylomycin in <i>Streptomyces roseosporus</i> . <i>Journal of the American Chemical Society</i> , 2011, 133, 18010-18013. | 6.6 | 79 |
| 47 | Multiplex De Novo Sequencing of Peptide Antibiotics. <i>Journal of Computational Biology</i> , 2011, 18, 1371-1381. | 0.8 | 39 |
| 48 | Structure and Function of Glycolipids in Thermophilic Bacteria. <i>Advances in Experimental Medicine and Biology</i> , 2011, 705, 367-380. | 0.8 | 0 |
| 49 | Sequencing cyclic peptides by multistage mass spectrometry. <i>Proteomics</i> , 2011, 11, 3642-3650. | 1.3 | 37 |
| 50 | Connecting Chemotypes and Phenotypes of Cultured Marine Microbial Assemblages by Imaging Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5839-5842. | 7.2 | 53 |
| 51 | Cover Picture: Connecting Chemotypes and Phenotypes of Cultured Marine Microbial Assemblages by Imaging Mass Spectrometry (<i>Angew. Chem. Int. Ed.</i> 26/2011). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5773-5773. | 7.2 | 0 |
| 52 | A Novel Exopolysaccharide from the Biofilm of <i>Thermus aquaticus</i> YT-1 Induces the Immune Response through Toll-like Receptor 2. <i>Journal of Biological Chemistry</i> , 2011, 286, 17736-17745. | 1.6 | 60 |
| 53 | Structure and Immunological Characterization of the Capsular Polysaccharide of a Pyrogenic Liver Abscess Caused by <i>Klebsiella pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 21041-21051. | 1.6 | 62 |
| 54 | Multiplex De Novo Sequencing of Peptide Antibiotics. <i>Lecture Notes in Computer Science</i> , 2011, , 267-281. | 1.0 | 1 |

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|----|---|-----|-----------|
| 55 | Imaging mass spectrometry of intraspecies metabolic exchange revealed the cannibalistic factors of <i>Bacillus subtilis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16286-16290. | 3.3 | 179 |
| 56 | Acetogenin and Prenylated Flavonoids from <i>Helminthostachys zeylanica</i> with Inhibitory Activity on Superoxide Generation and Elastase Release by Neutrophils. Planta Medica, 2010, 76, 447-453. | 0.7 | 26 |
| 57 | Synthesis and Biological Evaluation of Polyenylpyrrole Derivatives as Anticancer Agents Acting through Caspases-Dependent Apoptosis. Journal of Medicinal Chemistry, 2010, 53, 7967-7978. | 2.9 | 59 |
| 58 | Structural variation of glycolipids from <i>Meiothermus taiwanensis</i> ATCC BAA-400 under different growth temperatures. Organic and Biomolecular Chemistry, 2010, 8, 4252. | 1.5 | 7 |
| 59 | Discovery of New Natural Products by Intact Cell Mass Spectrometry and LC-ESI-NMR: Malbranpyrroles, Novel Polyketides from Thermophilic Fungus <i>Malbranchea sulfurea</i> . Chemistry - A European Journal, 2009, 15, 11573-11580. | 1.7 | 43 |
| 60 | Translating metabolic exchange with imaging mass spectrometry. Nature Chemical Biology, 2009, 5, 885-887. | 3.9 | 220 |
| 61 | Marinopyrrole A Target Elucidation by Acyl Dye Transfer. Journal of the American Chemical Society, 2009, 131, 12094-12096. | 6.6 | 106 |
| 62 | Imaging mass spectrometry of natural products. Natural Product Reports, 2009, 26, 1521. | 5.2 | 127 |
| 63 | Anti-inflammatory Flavonoids from the Rhizomes of <i>Helminthostachys zeylanica</i> . Journal of Natural Products, 2009, 72, 1273-1278. | 1.5 | 47 |
| 64 | TLR-independent induction of human monocyte IL-1 by phosphoglycolipids from thermophilic bacteria. Glycoconjugate Journal, 2008, 25, 427-439. | 1.4 | 10 |
| 65 | Polysaccharides from <i>Dioscorea batatas</i> Induce Tumor Necrosis Factor- α Secretion via Toll-like Receptor 4-Mediated Protein Kinase Signaling Pathways. Journal of Agricultural and Food Chemistry, 2008, 56, 9892-9898. | 2.4 | 37 |
| 66 | Cyclopeptides with Anti-inflammatory Activity from Seeds of <i>Annona montana</i> . Journal of Natural Products, 2008, 71, 1365-1370. | 1.5 | 43 |
| 67 | Mono-tetrahydrofuran Annonaceous Acetogenins from <i>Annona squamosa</i> as Cytotoxic Agents and Calcium Ion Chelators. Journal of Natural Products, 2008, 71, 764-771. | 1.5 | 49 |
| 68 | New Cyclic Peptides from the Seeds of <i>Annona squamosa</i> L. and Their Anti-inflammatory Activities. Journal of Agricultural and Food Chemistry, 2008, 56, 386-392. | 2.4 | 37 |
| 69 | Synthesis of a Tetrasaccharide Glycosyl Glycerol. Precursor to Glycolipids of <i>Meiothermus taiwanensis</i> ATCC BAA-400. Journal of Organic Chemistry, 2007, 72, 5427-5430. | 1.7 | 20 |
| 70 | Cytotoxic Sesquiterpene Lactones from <i>Pseudoelephantopus spicatus</i> . Journal of Natural Products, 2007, 70, 1761-1765. | 1.5 | 14 |
| 71 | Cytotoxic Withanolides from <i>Tubocapsicum anomalum</i> . Journal of Natural Products, 2007, 70, 747-753. | 1.5 | 60 |
| 72 | Cytotoxic Polyketides Containing Tetramic Acid Moieties Isolated from the Fungus <i>Myceliophthora Thermophila</i> : Elucidation of the Relationship between Cytotoxicity and Stereoconfiguration. Chemistry - A European Journal, 2007, 13, 6985-6991. | 1.7 | 64 |

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|----|---|-----|-----------|
| 73 | The screening and characterization of 6-aminopurine-based xanthine oxidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3450-3456. | 1.4 | 31 |
| 74 | New Sesquiterpene Lactones from the Aerial Parts of <i>Pseudoelephantopus spicatus</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 1599-1601. | 0.6 | 12 |
| 75 | New Constituents from Stems of <i>Goniothalamus amuyon</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 1040-1043. | 0.6 | 27 |
| 76 | Anti-Inflammatory and Cytotoxic Diterpenes from Formosan <i>Polyalthia longifolia</i> var. <i>pendula</i> . <i>Planta Medica</i> , 2006, 72, 1344-1347. | 0.7 | 72 |
| 77 | Structural elucidation of phosphoglycolipids from strains of the bacterial thermophiles <i>Thermus</i> and <i>Meiothermus</i> . <i>Journal of Lipid Research</i> , 2006, 47, 1823-1832. | 2.0 | 43 |
| 78 | Squadinorlignoside: A Novel 7,9- Δ^2 -Dinorlignan from the Stems of <i>Annona squamosa</i> . <i>Helvetica Chimica Acta</i> , 2005, 88, 2731-2737. | 1.0 | 26 |
| 79 | An Anti-Inflammatory ent-Kaurane from the Stems of <i>Annona squamosa</i> that Inhibits Various Human Neutrophil Functions. <i>Planta Medica</i> , 2005, 71, 904-909. | 0.7 | 44 |
| 80 | Inhibitory Effects of ent-Kauranes from the Stems of <i>Annona squamosa</i> on Superoxide Anion Generation by Human Neutrophils. <i>Planta Medica</i> , 2004, 70, 256-258. | 0.7 | 11 |
| 81 | Annosqualine: a Novel Alkaloid from the Stems of <i>Annona squamosa</i> . <i>Helvetica Chimica Acta</i> , 2004, 87, 1392-1399. | 1.0 | 76 |
| 82 | Two Sesquiterpene-Coumarins from the Roots of <i>Ferula marmarica</i> . <i>Heterocycles</i> , 2004, 63, 2101. | 0.4 | 7 |
| 83 | Cytotoxic Styrylpyrones from <i>Goniothalamus amuyon</i> 1. <i>Journal of Natural Products</i> , 2003, 66, 487-490. | 1.5 | 65 |
| 84 | Total synthesis of 3,4-dihydrobenzo[h]quinazolin-4-one and structure elucidation of perlolidine and samoquasine A. <i>Tetrahedron Letters</i> , 2003, 44, 319-322. | 0.7 | 19 |
| 85 | Secoiridoid Glycoside and Alkaloid Constituents of <i>Hydrangea chinensis</i> . <i>Journal of Natural Products</i> , 2003, 66, 1245-1248. | 1.5 | 18 |
| 86 | New ent-Kaurane Diterpenoids with Anti-Platelet Aggregation Activity from <i>Annona squamosa</i> . <i>Journal of Natural Products</i> , 2002, 65, 1462-1467. | 1.5 | 71 |
| 87 | Microbial polyketides and their roles in insect virulence: from genomics to biological functions. <i>Natural Product Reports</i> , 0, , . | 5.2 | 2 |