

Yu-Liang Yang

List of Publications by Year in descending order

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87
papers

6,279
citations

109321

35
h-index

71685

76
g-index

96
all docs

96
docs citations

96
times ranked

9149
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802
2	A mass spectrometry-guided genome mining approach for natural product peptidogenomics. <i>Nature Chemical Biology</i> , 2011, 7, 794-802.	8.0	329
3	Translating metabolic exchange with imaging mass spectrometry. <i>Nature Chemical Biology</i> , 2009, 5, 885-887.	8.0	220
4	Imaging mass spectrometry of intraspecies metabolic exchange revealed the cannibalistic factors of <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16286-16290.	7.1	179
5	Imaging mass spectrometry of natural products. <i>Natural Product Reports</i> , 2009, 26, 1521.	10.3	127
6	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.	9.6	114
7	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.	2.2	107
8	Marinopyrrole A Target Elucidation by Acyl Dye Transfer. <i>Journal of the American Chemical Society</i> , 2009, 131, 12094-12096.	13.7	106
9	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.	3.0	103
10	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.	13.7	79
11	Annosqualine: a Novel Alkaloid from the Stems of <i>Annona squamosa</i> . <i>Helvetica Chimica Acta</i> , 2004, 87, 1392-1399.	1.6	76
12	Anti-Inflammatory and Cytotoxic Diterpenes from Formosan <i>Polyalthia longifolia</i> var. <i>pendula</i> . <i>Planta Medica</i> , 2006, 72, 1344-1347.	1.3	72
13	New ent-Kaurane Diterpenoids with Anti-Platelet Aggregation Activity from <i>Annona squamosa</i> . <i>Journal of Natural Products</i> , 2002, 65, 1462-1467.	3.0	71
14	Cytotoxic Styrylpyrones from <i>Goniothalamus amuyon</i> 1. <i>Journal of Natural Products</i> , 2003, 66, 487-490.	3.0	65
15	Cytotoxic Polyketides Containing Tetramic Acid Moieties Isolated from the Fungus <i>Myceliophthora thermophila</i> : Elucidation of the Relationship between Cytotoxicity and Stereoconfiguration. <i>Chemistry - A European Journal</i> , 2007, 13, 6985-6991.	3.3	64
16	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.	3.4	62
17	Cytotoxic Withanolides from <i>Tubocapsicum anomalum</i> . <i>Journal of Natural Products</i> , 2007, 70, 747-753.	3.0	60
18	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.	3.4	60

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19	Involvement of type VI secretion system in secretion of iron chelator pyoverdine in <i>Pseudomonas taiwanensis</i> . <i>Scientific Reports</i> , 2016, 6, 32950.	3.3	60
20	Synthesis and Biological Evaluation of Polyenylpyrrole Derivatives as Anticancer Agents Acting through Caspases-Dependent Apoptosis. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7967-7978.	6.4	59
21	Microbiota of Healthy Corals Are Active against Fungi in a Light-Dependent Manner. <i>ACS Chemical Biology</i> , 2014, 9, 2300-2308.	3.4	58
22	Connecting Chemotypes and Phenotypes of Cultured Marine Microbial Assemblages by Imaging Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5839-5842.	13.8	53
23	Bringing microbial interactions to light using imaging mass spectrometry. <i>Natural Product Reports</i> , 2014, 31, 739.	10.3	52
24	Mono-tetrahydrofuran Annonaceous Acetogenins from <i>Annona squamosa</i> as Cytotoxic Agents and Calcium Ion Chelators. <i>Journal of Natural Products</i> , 2008, 71, 764-771.	3.0	49
25	Biological control of potato common scab by <i>Bacillus amyloliquefaciens</i> Ba01. <i>PLoS ONE</i> , 2018, 13, e0196520.	2.5	48
26	Anti-inflammatory Flavonoids from the Rhizomes of <i>Helminthostachys zeylanica</i> . <i>Journal of Natural Products</i> , 2009, 72, 1273-1278.	3.0	47
27	An Anti-Inflammatoryent-Kaurane from the Stems of <i>Annona squamosa</i> that Inhibits Various Human Neutrophil Functions. <i>Planta Medica</i> , 2005, 71, 904-909.	1.3	44
28	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.	4.2	43
29	Cyclopeptides with Anti-inflammatory Activity from Seeds of <i>Annona montana</i> . <i>Journal of Natural Products</i> , 2008, 71, 1365-1370.	3.0	43
30	Discovery of New Natural Products by Intact Cell Mass Spectrometry and LC-ESI-MS/MS: Malbranpyrroles, Novel Polyketides from Thermophilic Fungus <i>Malbranchea sulfurea</i> . <i>Chemistry - A European Journal</i> , 2009, 15, 11573-11580.	3.3	43
31	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
32	Multiplex De Novo Sequencing of Peptide Antibiotics. <i>Journal of Computational Biology</i> , 2011, 18, 1371-1381.	1.6	39
33	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.	2.4	39
34	Polysaccharides from <i>Dioscorea batatas</i> Induce Tumor Necrosis Factor- α Secretion via Toll-like Receptor 4-Mediated Protein Kinase Signaling Pathways. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 9892-9898.	5.2	37
35	New Cyclic Peptides from the Seeds of <i>Annona squamosa</i> L. and Their Anti-inflammatory Activities. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 386-392.	5.2	37
36	Sequencing cyclic peptides by multistage mass spectrometry. <i>Proteomics</i> , 2011, 11, 3642-3650.	2.2	37

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37	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.	3.8	35
38	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.	13.7	34
39	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.	3.3	33
40	New Meroterpenoids from <i>Aspergillus terreus</i> with Inhibition of Cyclooxygenase-2 Expression. <i>Organic Letters</i> , 2015, 17, 2330-2333.	4.6	33
41	The screening and characterization of 6-aminopurine-based xanthine oxidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3450-3456.	3.0	31
42	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.	5.2	28
43	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.	2.5	28
44	New Constituents from Stems of <i>Goniothalamus amuyon</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 1040-1043.	1.3	27
45	Squadinorlignoside: A Novel 7,9-Dinorlignan from the Stems of <i>Annona squamosa</i> . <i>Helvetica Chimica Acta</i> , 2005, 88, 2731-2737.	1.6	26
46	Acetogenin and Prenylated Flavonoids from <i>Helminthostachys zeylanica</i> with Inhibitory Activity on Superoxide Generation and Elastase Release by Neutrophils. <i>Planta Medica</i> , 2010, 76, 447-453.	1.3	26
47	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.	2.5	25
48	Rhizospheric plant-microbe synergistic interactions achieve efficient arsenic phytoextraction by <i>Pteris vittata</i> . <i>Journal of Hazardous Materials</i> , 2022, 434, 128870.	12.4	24
49	<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.	3.3	23
50	Analysis of the biosynthesis of antibacterial cyclic dipeptides in <i>Nocardiopsis alba</i> . <i>Archives of Microbiology</i> , 2014, 196, 765-774.	2.2	21
51	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.	5.7	21
52	Synthesis of a Tetrasaccharide Glycosyl Glycerol. Precursor to Glycolipids of <i>Meiothermus taiwanensis</i> ATCC BAA-400. <i>Journal of Organic Chemistry</i> , 2007, 72, 5427-5430.	3.2	20
53	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.	1.4	19
54	Secoiridoid Glycoside and Alkaloid Constituents of <i>Hydrangea chinensis</i> . <i>Journal of Natural Products</i> , 2003, 66, 1245-1248.	3.0	18

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55	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.	3.7	18
56	Specific inactivation of an antifungal bacterial siderophore by a fungal plant pathogen. <i>ISME Journal</i> , 2021, 15, 1858-1861.	9.8	18
57	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.	3.3	15
58	Cytotoxic Sesquiterpene Lactones from <i>Pseudoelephantopus spicatus</i> . <i>Journal of Natural Products</i> , 2007, 70, 1761-1765.	3.0	14
59	Nanoscale silicon surface-assisted laser desorption/ionization mass spectrometry: environment stability and activation by simple vacuum oven desiccation. <i>Analyst, The</i> , 2016, 141, 4973-4981.	3.5	14
60	Exploration of Fungal Metabolic Interactions Using Imaging Mass Spectrometry on Nanostructured Silicon. <i>Journal of Natural Products</i> , 2018, 81, 1527-1533.	3.0	14
61	New Sesquiterpene Lactones from the Aerial Parts of <i>Pseudoelephantopus spicatus</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 1599-1601.	1.3	12
62	Butyrolactones and Diketopiperazines from Marine Microbes: Inhibition Effects on Dengue Virus Type 2 Replication. <i>Planta Medica</i> , 2017, 83, 158-163.	1.3	12
63	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.	1.3	11
64	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.	2.6	11
65	TLR-independent induction of human monocyte IL-1 by phosphoglycolipids from thermophilic bacteria. <i>Glycoconjugate Journal</i> , 2008, 25, 427-439.	2.7	10
66	Chemistry and Biology of Salicyl-Capped Siderophores. <i>Studies in Natural Products Chemistry</i> , 2018, 59, 431-490.	1.8	10
67	Anti-Lymphangiogenesis Components from Zoanthid <i>Palythoa tuberculosa</i> . <i>Marine Drugs</i> , 2018, 16, 47.	4.6	10
68	Polyketides with Anti-neuroinflammatory Activity from <i>Theissenia cinerea</i> . <i>Journal of Natural Products</i> , 2021, 84, 1898-1903.	3.0	9
69	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.	2.2	9
70	A piezo-ring-on-chip microfluidic device for simple and low-cost mass spectrometry interfacing. <i>Analyst, The</i> , 2018, 143, 981-988.	3.5	8
71	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.	3.6	8
72	Integrated omics approach to unveil antifungal bacterial polyynes as acetyl-CoA acetyltransferase inhibitors. <i>Communications Biology</i> , 2022, 5, 454.	4.4	8

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73	Two Sesquiterpene-Coumarins from the Roots of <i>Ferula marmarica</i> . <i>Heterocycles</i> , 2004, 63, 2101.	0.7	7
74	Structural variation of glycolipids from <i>Meiothermus taiwanensis</i> ATCC BAA-400 under different growth temperatures. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4252.	2.8	7
75	Efficient identification of fungal antimicrobial principles by tandem MS and NMR database. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 860-868.	1.9	7
76	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.	3.8	7
77	Natural alkaloid tryptanthrin exhibits novel anticryptococcal activity. <i>Medical Mycology</i> , 2021, 59, 545-556.	0.7	6
78	Natural polyketide 6-pentyl-2H-pyrone-2-one and its synthetic analogues efficiently prevent marine biofouling. <i>Biofouling</i> , 2021, 37, 257-266.	2.2	6
79	Integrated Omics Strategy Reveals Cyclic Lipopeptides Empedopeptins from <i>Massilia</i> sp. YMA4 and Their Biosynthetic Pathway. <i>Marine Drugs</i> , 2021, 19, 209.	4.6	5
80	Targeted Isolation of Xenicane Diterpenoids From Taiwanese Soft Coral <i>Asterospicularia laurae</i> . <i>Marine Drugs</i> , 2021, 19, 123.	4.6	4
81	Evaluation of the Antifungal Activities of <i>Photorhabdus akhurstii</i> and Its Secondary Metabolites against Phytopathogenic <i>Colletotrichum gloeosporioides</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 403.	3.5	4
82	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.	3.8	4
83	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.	4.1	2
84	Microbial polyketides and their roles in insect virulence: from genomics to biological functions. <i>Natural Product Reports</i> , 0, , .	10.3	2
85	Multiplex De Novo Sequencing of Peptide Antibiotics. <i>Lecture Notes in Computer Science</i> , 2011, , 267-281.	1.3	1
86	Structure and Function of Glycolipids in Thermophilic Bacteria. <i>Advances in Experimental Medicine and Biology</i> , 2011, 705, 367-380.	1.6	0
87	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.	13.8	0