

Chih-Chuang Liaw

List of Publications by Year in descending order

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89
papers

4,953
citations

201674

27
h-index

102487

66
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91
all docs

91
docs citations

91
times ranked

7352
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	Historic Perspectives on Annonaceous Acetogenins from the Chemical Bench to Preclinical Trials. <i>Planta Medica</i> , 2010, 76, 1390-1404.	1.3	109
3	New Cytotoxic Monotetrahydrofuran Annonaceous Acetogenins from <i>Annonamuricata</i> . <i>Journal of Natural Products</i> , 2002, 65, 470-475.	3.0	96
4	Sinulochmodins A-C, Three Novel Terpenoids from the Soft Coral <i>Sinularia lochmodes</i> . <i>Organic Letters</i> , 2005, 7, 3813-3816.	4.6	82
5	Five novel norcembranoids from <i>Sinularia leptoclados</i> and <i>S. parva</i> . <i>Tetrahedron</i> , 2003, 59, 7337-7344.	1.9	81
6	Long Noncoding RNAs-Related Diseases, Cancers, and Drugs. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	2.1	68
7	New Adjacent Bis-Tetrahydrofuran Annonaceous Acetogenins from <i>Annona muricata</i> . <i>Planta Medica</i> , 2003, 69, 241-246.	1.3	62
8	Polyoxygenated Sterols from the Formosan Soft Coral <i>Sinularia gibberosa</i> . <i>Journal of Natural Products</i> , 2006, 69, 1275-1279.	3.0	59
9	Acetogenins as Selective Inhibitors of the Human Ovarian 1A9 Tumor Cell Line. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3185-3188.	6.4	52
10	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
11	Formaldehyde-Free Synthesis of Fully Bio-Based Multifunctional Bisbenzoxazine Resins from Natural Renewable Starting Materials. <i>Macromolecules</i> , 2022, 55, 3106-3115.	4.8	48
12	Anti-inflammatory Flavonoids from the Rhizomes of <i>Helminthostachys zeylanica</i> . <i>Journal of Natural Products</i> , 2009, 72, 1273-1278.	3.0	47
13	Acetogenins from Annonaceae. <i>Progress in the Chemistry of Organic Natural Products</i> , 2016, 101, 113-230.	1.1	47
14	Onion Peel Ethylacetate Fraction and Its Derived Constituent Quercetin 4-O-β-D Glucopyranoside Attenuates Quorum Sensing Regulated Virulence and Biofilm Formation. <i>Frontiers in Microbiology</i> , 2017, 8, 1675.	3.5	45
15	Oxygenated Cembranoids from a Formosan Soft Coral <i>Sinularia gibberosa</i> . <i>Journal of Natural Products</i> , 2008, 71, 179-185.	3.0	44
16	A C-3 Methylated Isocembranoid and 10-Oxocembranoids from a Formosan Soft Coral, <i>Sinularia grandilobata</i> . <i>Journal of Natural Products</i> , 2008, 71, 946-951.	3.0	40
17	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
18	Cyclooxygenase-2 facilitates dengue virus replication and serves as a potential target for developing antiviral agents. <i>Scientific Reports</i> , 2017, 7, 44701.	3.3	38

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19	Betulinic acid exerts anti-hepatitis C virus activity via the suppression of NF- κ B and MAPK/ERK1/2-mediated COX-2 expression. <i>British Journal of Pharmacology</i> , 2015, 172, 4481-4492.	3.4	37
20	A Novel Constituent from <i>Rollinia mucosa</i> , Rollicosin, and a New Approach to Develop Annonaceous Acetogenins as Potential Antitumor Agents. <i>Journal of Natural Products</i> , 2003, 66, 279-281.	3.0	35
21	Thymoquinone inhibits growth of human medulloblastoma cells by inducing oxidative stress and caspase-dependent apoptosis while suppressing NF- κ B signaling and IL-8 expression. <i>Molecular and Cellular Biochemistry</i> , 2016, 416, 141-155.	3.1	35
22	Sinugrandisterols A-D, trihydroxysteroids from the soft coral <i>Sinularia grandilobata</i> . <i>Steroids</i> , 2007, 72, 368-374.	1.8	34
23	Phillinopsides A and B, Two New Sulfated Triterpene Glycosides from the Sea Cucumber <i>Pentacta quadrangularis</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 54-63.	1.6	33
24	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
25	New Meroterpenoids from <i>Aspergillus terreus</i> with Inhibition of Cyclooxygenase-2 Expression. <i>Organic Letters</i> , 2015, 17, 2330-2333.	4.6	33
26	Novel cytotoxic monotetrahydrofuranic Annonaceous acetogenins from <i>Annona montana</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4767-4776.	3.0	30
27	Anti-inflammatory Lanostanoids and Lactone Derivatives from <i>Antrodia camphorata</i> . <i>Journal of Natural Products</i> , 2013, 76, 489-494.	3.0	30
28	Withanolide-Based Steroids from the Cultured Soft Coral <i>Sinularia brassica</i> . <i>Journal of Natural Products</i> , 2013, 76, 1902-1908.	3.0	29
29	A novel immunomodulatory effect of ugonin U in human neutrophils via stimulation of phospholipase C. <i>Free Radical Biology and Medicine</i> , 2014, 72, 222-231.	2.9	28
30	Reactive oxygen species mediate soft corals-derived sinuleptolide-induced antiproliferation and DNA damage in oral cancer cells. <i>OncoTargets and Therapy</i> , 2017, Volume 10, 3289-3297.	2.0	27
31	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
32	Sinularin induces oxidative stress-mediated G2/M arrest and apoptosis in oral cancer cells. <i>Environmental Toxicology</i> , 2017, 32, 2124-2132.	4.0	26
33	Ugonin U stimulates NLRP3 inflammasome activation and enhances inflammasome-mediated pathogen clearance. <i>Redox Biology</i> , 2017, 11, 263-274.	9.0	26
34	Sinuleptolide inhibits proliferation of oral cancer Ca9-22 cells involving apoptosis, oxidative stress, and DNA damage. <i>Archives of Oral Biology</i> , 2016, 66, 147-154.	1.8	24
35	Synthesis, anti-inflammatory and neuroprotective activity of pyrazole and pyrazolo[3,4-d]pyridazine bearing 3,4,5-trimethoxyphenyl. <i>Medicinal Chemistry Research</i> , 2017, 26, 1557-1566.	2.4	24
36	Nine New Cytotoxic Monotetrahydrofuranic Annonaceous Acetogenins from <i>Annona montana</i> . <i>Planta Medica</i> , 2004, 70, 948-959.	1.3	23

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37	Montacin and cis-Montacin, Two New Cytotoxic Monotetrahydrofuran Annonaceous Acetogenins from <i>Annonamontana</i> . <i>Journal of Natural Products</i> , 2004, 67, 1804-1808.	3.0	23
38	Isoprenoids from the Soft Coral <i>Sarcophyton glaucum</i> . <i>Marine Drugs</i> , 2017, 15, 202.	4.6	23
39	Anti-Inflammatory Polyoxygenated Steroids from the Soft Coral <i>Lobophytum michaelae</i> . <i>Marine Drugs</i> , 2018, 16, 93.	4.6	23
40	Three New Clerodane Diterpenes from <i>Polyalthia longifolia</i> var. <i>pendula</i> . <i>Molecules</i> , 2014, 19, 2049-2060.	3.8	22
41	Isolation and Structure Elucidation of Cembranoids from a Dongsha Atoll Soft Coral <i>Sarcophyton stellatum</i> . <i>Marine Drugs</i> , 2018, 16, 210.	4.6	22
42	Novel histone deacetylase inhibitor AR-42 exhibits antitumor activity in pancreatic cancer cells by affecting multiple biochemical pathways. <i>PLoS ONE</i> , 2017, 12, e0183368.	2.5	22
43	New Cembranoids and a Biscembranoid Peroxide from the Soft Coral <i>Sarcophyton cherbonnieri</i> . <i>Marine Drugs</i> , 2018, 16, 276.	4.6	21
44	Bioactive new withanolides from the cultured soft coral <i>Sinularia brassica</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 3267-3271.	2.2	20
45	Bioactive Steroids with Methyl Ester Group in the Side Chain from a Reef Soft Coral <i>Sinularia brassica</i> Cultured in a Tank. <i>Marine Drugs</i> , 2017, 15, 280.	4.6	20
46	New Annonaceous Acetogenins from <i>Rollinia mucosa</i> . <i>Journal of Natural Products</i> , 1999, 62, 1613-1617.	3.0	18
47	Stimulatory Effects of Squamocin, an Annonaceous Acetogenin, on Ca ²⁺ -Activated K ⁺ Current in Cultured Smooth Muscle Cells of Human Coronary Artery. <i>Chemical Research in Toxicology</i> , 2003, 16, 15-22.	3.3	18
48	Metabolites with Cytotoxic Activity from the Formosan Soft Coral <i>Cladiella Australis</i> . <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 489-494.	1.4	18
49	Extracts from <i>Cladiella australis</i> , <i>Clavularia viridis</i> and <i>Klyxum simplex</i> (Soft Corals) are Capable of Inhibiting the Growth of Human Oral Squamous Cell Carcinoma Cells. <i>Marine Drugs</i> , 2008, 6, 595-606.	4.6	18
50	Cyclohexylmethyl Flavonoids Suppress Propagation of Breast Cancer Stem Cells via Downregulation of NANOG. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-14.	1.2	18
51	New Inducible Nitric Oxide Synthase and Cyclooxygenase-2 Inhibitors, Nalidixic Acid Linked to Isatin Schiff Bases via Certain l-Amino Acid Bridges. <i>Molecules</i> , 2016, 21, 498.	3.8	18
52	Cytotoxic, Anti-inflammatory, and Antibacterial Sulfur-Containing Polybromoindoles from the Formosan Red Alga <i>Laurencia brongniartii</i> . <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1278-1280.	3.2	16
53	New Norcembranoids from the Soft Coral <i>Sinularia Lochmodes</i> . <i>Journal of the Chinese Chemical Society</i> , 2007, 54, 1041-1044.	1.4	15
54	Bioactive Capnosanes and Cembranes from the Soft Coral <i>Klyxum flaccidum</i> . <i>Marine Drugs</i> , 2019, 17, 461.	4.6	15

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55	The Calcium-Chelating Capability of Tetrahydrofuranic Moieties Modulates the Cytotoxicity of Annonaceous Acetogenins. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7885-7891.	13.8	14
56	Biochemical and Molecular Investigation of In Vitro Antioxidant and Anticancer Activity Spectrum of Crude Extracts of Willow Leaves <i>Salix safsaf</i> . <i>Plants</i> , 2020, 9, 1295.	3.5	14
57	Clerodane diterpenes from <i>Polyalthia longifolia</i> var. <i>pendula</i> protect SK-N-MC human neuroblastoma cells from β -amyloid insult. <i>RSC Advances</i> , 2014, 4, 23707-23712.	3.6	13
58	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
59	Klyflaccicembranols A–I, New Cembranoids from the Soft Coral <i>Klyxum flaccidum</i> . <i>Marine Drugs</i> , 2017, 15, 23.	4.6	12
60	Discovering a Racemate Polycyclic Prenylated Acylphloroglucinol with Unprecedented Skeleton by an ESI-LCMS Analytical Approach. <i>Organic Letters</i> , 2019, 21, 857-861.	4.6	12
61	Penipyranicins A–C: Antibacterial Methylpyran Polyketides from a Hydrothermal Spring Sediment <i>Penicillium</i> sp.. <i>Journal of Natural Products</i> , 2020, 83, 3591-3597.	3.0	12
62	Anti-Inflammatory Lobane and Prenyleudesmane Diterpenoids from the Soft Coral <i>Lobophytum varium</i> . <i>Marine Drugs</i> , 2017, 15, 300.	4.6	11
63	Isolation of Lobane and Prenyleudesmane Diterpenoids from the Soft Coral <i>Lobophytum varium</i> . <i>Marine Drugs</i> , 2020, 18, 223.	4.6	10
64	Two Polycyclic Geranylhydroquinone-Derived Metabolites from Roots of <i>Arnebia hispidissima</i> (Lehm.) DC.. <i>Molecules</i> , 2014, 19, 5940-5951.	3.8	9
65	Diterpenes from <i>Grangea maderaspatana</i> . <i>Phytochemistry</i> , 2016, 131, 124-129.	2.9	9
66	Evaluation of Antimycobacterial Activity of Higenamine Using <i>Galleria mellonella</i> as an In Vivo Infection Model. <i>Natural Products and Bioprospecting</i> , 2018, 8, 63-69.	4.3	9
67	The Phytochemical and Biological Investigation of <i>Jatropha pelargoniifolia</i> Root Native to the Kingdom of Saudi Arabia. <i>Molecules</i> , 2018, 23, 1892.	3.8	9
68	Anti-Inflammatory Cembranoids from a Formosa Soft Coral <i>Sarcophyton cherbonnieri</i> . <i>Marine Drugs</i> , 2020, 18, 573.	4.6	9
69	Asporychalsin, a bioactive cytochalasan with an unprecedented 6/6/11 skeleton from the Red Sea sediment <i>Aspergillus oryzae</i> . <i>Phytochemistry</i> , 2021, 192, 112952.	2.9	9
70	Hepatorenal protective effect of Antistax [®] against chemically-induced toxicity. <i>Pharmacognosy Magazine</i> , 2015, 11, 173.	0.6	7
71	Lobohedleolide suppresses hepatitis C virus replication via JNK/c-Jun-C/EBP-mediated down-regulation of cyclooxygenase-2 expression. <i>Scientific Reports</i> , 2018, 8, 8676.	3.3	7
72	Briarenones A–C, New Briarellin Diterpenoids from the Gorgonian <i>Briareum violaceum</i> . <i>Marine Drugs</i> , 2019, 17, 120.	4.6	7

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73	An Anti-Inflammatory 2,4-Cyclized-3,4-Secospongian Diterpenoid and Furanoterpene-Related Metabolites of a Marine Sponge <i>Spongia</i> sp. from the Red Sea. <i>Marine Drugs</i> , 2021, 19, 38.	4.6	7
74	Antiproliferative Illudalane Sesquiterpenes from the Marine Sediment Ascomycete <i>Aspergillus oryzae</i> . <i>Marine Drugs</i> , 2021, 19, 333.	4.6	7
75	A Major <i>Diplotaxis harra</i> -Derived Bioflavonoid Glycoside as a Protective Agent against Chemically Induced Neurotoxicity and Parkinson's Models; In Silico Target Prediction; and Biphasic HPTLC-Based Quantification. <i>Plants</i> , 2022, 11, 648.	3.5	7
76	Natural polyketide 6-pentyl-2-hydroxy-pyrone-2-one and its synthetic analogues efficiently prevent marine biofouling. <i>Biofouling</i> , 2021, 37, 257-266.	2.2	6
77	1,2,3,4,6-Penta-O-galloyl-d-glucose Interrupts the Early Adipocyte Lifecycle and Attenuates Adiposity and Hepatic Steatosis in Mice with Diet-Induced Obesity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4052.	4.1	6
78	Activation and Inhibition of ATM by Phytochemicals: Awakening and Sleeping the Guardian Angel Naturally. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2015, 63, 357-366.	2.3	5
79	Anti-Inflammatory Activity and Bioactive Constituents of Cultivated Fruiting Bodies of <i>Xylaria nigripes</i> (Ascomycetes), a Chinese Medicinal Fungus. <i>International Journal of Medicinal Mushrooms</i> , 2017, 19, 915-924.	1.5	5
80	A hepatonephro-protective phenolic-rich extract from red onion (<i>Allium cepa</i> L.) peels. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2017, 30, 1971-1979.	0.2	5
81	The Chemically Highly Diversified Metabolites from the Red Sea Marine Sponge <i>Spongia</i> sp.. <i>Marine Drugs</i> , 2022, 20, 241.	4.6	5
82	Suppressive activities and mechanisms of ugonin J on vascular smooth muscle cells and balloon angioplasty-induced neointimal hyperplasia. <i>Phytotherapy Research</i> , 2018, 32, 312-320.	5.8	4
83	Prostasin Impairs Epithelial Growth Factor Receptor Activation to Suppress Dengue Virus Propagation. <i>Journal of Infectious Diseases</i> , 2019, 219, 1377-1388.	4.0	4
84	Withanolides and 26-Hydroxylated Derivatives with Anti-Inflammatory Property from <i>Solanum Capsicoide</i> . <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 336-343.	3.2	4
85	Polar Constituent of the Endophytic Fungus <i>Ophiocordyceps sobolifera</i> . <i>Chemistry of Natural Compounds</i> , 2020, 56, 289-291.	0.8	4
86	Simultaneous quantification of two phenolic biomarkers by a validated high-performance thin-layer chromatographic method in antimicrobial and antioxidant active ethyl acetate fraction of <i>Allium cepa</i> L. (peel). <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 510-515.	1.2	2
87	Structural insights into the substrate selectivity of β -oxoamine synthases from marine <i>Vibrio</i> sp. QWI-06. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112224.	5.0	2
88	Polyoxygenated Klysimplexane- and Eunicellin-Based Diterpenoids from the Gorgonian <i>Briareum violaceum</i> . <i>Molecules</i> , 2021, 26, 3276.	3.8	0
89	Biosynthesis of Vitroprocines by β -Oxoamine Synthase and Oxidoreductase Identified from <i>Vibrio</i> sp. QWI-06. <i>Organic Letters</i> , 2022, 24, 3281-3285.	4.6	0