

# Hui Hong

## List of Publications by Year in descending order

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45  
papers

1,936  
citations

172457

29  
h-index

254184

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1714  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction and Manipulation of the Stereochemistry of Enoylreduction in Modular Polyketide Synthases. <i>Chemistry and Biology</i> , 2008, 15, 1231-1240.	6.0	118
2	Insights into Polyether Biosynthesis from Analysis of the Nigericin Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. DSM4137. <i>Chemistry and Biology</i> , 2007, 14, 703-714.	6.0	103
3	Mycolactones: immunosuppressive and cytotoxic polyketides produced by aquatic mycobacteria. <i>Natural Product Reports</i> , 2008, 25, 447.	10.3	101
4	Mycolactone Diffuses from <i>Mycobacterium ulcerans</i> Infected Tissues and Targets Mononuclear Cells in Peripheral Blood and Lymphoid Organs. <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e325.	3.0	80
5	Mycolactone activation of Wiskott-Aldrich syndrome proteins underpins Buruli ulcer formation. <i>Journal of Clinical Investigation</i> , 2013, 123, 1501-1512.	8.2	79
6	Common Evolutionary Origin for the Unstable Virulence Plasmid pMUM Found in Geographically Diverse Strains of <i>Mycobacterium ulcerans</i> . <i>Journal of Bacteriology</i> , 2005, 187, 1668-1676.	2.2	74
7	Analysis of the Tetroneycin Gene Cluster: Insights into the Biosynthesis of a Polyether Tetrone Antibiotic. <i>ChemBioChem</i> , 2008, 9, 1136-1145.	2.6	72
8	Glycerol Acyl Carrier Protein as an Intermediate in the Biosynthesis of Tetrone Antibiotics. <i>ChemBioChem</i> , 2008, 9, 150-156.	2.6	66
9	Identification of a Phosphotransferase for Erythromycin Biosynthesis in <i>Saccharopolyspora erythraea</i> . <i>ChemBioChem</i> , 2004, 5, 116-125.	2.6	64
10	Analysis of Specific Mutants in the Lasalocid Gene Cluster: Evidence for Enzymatic Catalysis of a Disfavoured Polyether Ring Closure. <i>ChemBioChem</i> , 2008, 9, 2967-2975.	2.6	61
11	A Late Stage Intermediate in Salinomycin Biosynthesis Is Revealed by Specific Mutation in the Biosynthetic Gene Cluster. <i>ChemBioChem</i> , 2012, 13, 66-71.	2.6	59
12	Evidence that a Novel Thioesterase is Responsible for Polyketide Chain Release during Biosynthesis of the Polyether Ionophore Monensin. <i>ChemBioChem</i> , 2006, 7, 1435-1442.	2.6	57
13	Deciphering the genetic basis for polyketide variation among mycobacteria producing mycolactones. <i>BMC Genomics</i> , 2008, 9, 462.	2.8	55
14	Fragmentation studies on monensin A and B by accurate-mass electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 414-420.	1.5	52
15	A Novel Mycolactone from a Clinical Isolate of <i>Mycobacterium ulcerans</i> Provides Evidence for Additional Toxin Heterogeneity as a Result of Specific Changes in the Modular Polyketide Synthase. <i>ChemBioChem</i> , 2005, 6, 643-648.	2.6	49
16	A Common Origin for Guanidinobutanoate Starter Units in Antifungal Natural Products. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13096-13099.	13.8	48
17	Identification using LC-MS/MS of co-metabolites in the biosynthesis of the polyketide toxin mycolactone by a clinical isolate of <i>Mycobacterium ulcerans</i> Electronic supplementary information (ESI) available: Experimental procedures and ESI-CID-MS/MS spectra of mycolactone and the five co-metabolites; MS3 spectrum of m/z 661 from the MS/MS of m/z 749; scheme showing the losses of mass 88 (C4H8O2) during the MS/MS of m/z 749 and the MS3 of m/z 661. See <a href="http://www.rsc.org/suppdata/cc/b3/b308163j/">http://www.rsc.org/suppdata/cc/b3/b308163j/</a> . <i>Chemical Communications</i> , 2003, , 2822.	4.1	47
18	Rapamycin biosynthesis: elucidation of gene product function. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3565.	2.8	47

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19	Unusual Acetylation- Elimination in the Formation of Tetrionate Antibiotics. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5785-5788.	13.8	44
20	Isolation and Characterization of Pre-rapamycin, the First Macrocyclic Intermediate in the Biosynthesis of the Immunosuppressant Rapamycin by <i>S. hygroscopicus</i> . <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2551-2553.	13.8	41
21	Enzymology of Pyran Ring- A Formation in Salinomycin Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13622-13625.	13.8	40
22	Broadening substrate specificity of a chain-extending ketosynthase through a single active-site mutation. <i>Chemical Communications</i> , 2016, 52, 8373-8376.	4.1	38
23	A study of the effect of pH, solvent system, cone potential and the addition of crown ethers on the formation of the monensin protonated parent ion in electrospray mass spectrometry. <i>Analyst</i> , The, 2001, 126, 1630-1632.	3.5	37
24	Mycolactone Gene Expression Is Controlled by Strong SigA-Like Promoters with Utility in Studies of <i>Mycobacterium ulcerans</i> and Buruli Ulcer. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e553.	3.0	37
25	Structure elucidation of a novel family of mycolactone toxins from the frog pathogen <i>Mycobacterium</i> sp. MU128FXT by mass spectrometry. <i>Chemical Communications</i> , 2005, , 4306.	4.1	36
26	A Novel Mycolactone Toxin Obtained by Biosynthetic Engineering. <i>ChemBioChem</i> , 2007, 8, 2043-2047.	2.6	35
27	Organization of the biosynthetic gene cluster in <i>Streptomyces</i> sp. DSM 4137 for the novel neuroprotectant polyketide meridamycin. <i>Microbiology (United Kingdom)</i> , 2006, 152, 3507-3515.	1.8	34
28	Evidence for a Protein-Protein Interaction Motif on an Acyl Carrier Protein Domain from a Modular Polyketide Synthase. <i>Chemistry and Biology</i> , 2006, 13, 625-636.	6.0	31
29	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.	4.1	30
30	An Amidinohydrolase Provides the Missing Link in the Biosynthesis of Amino Marginolactone Antibiotics. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1118-1123.	13.8	29
31	Chain initiation on type I modular polyketide synthases revealed by limited proteolysis and ion-trap mass spectrometry. <i>FEBS Journal</i> , 2005, 272, 2373-2387.	4.7	27
32	An Iterative Module in the Azalomycin- F Polyketide Synthase Contains a Switchable Enoylreductase Domain. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5503-5506.	13.8	27
33	Evidence for an iterative module in chain elongation on the azalomycin polyketide synthase. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2164-2172.	2.2	21
34	C-Nucleoside Formation in the Biosynthesis of the Antifungal Malayamycin A. <i>Cell Chemical Biology</i> , 2019, 26, 493-501.e5.	5.2	21
35	Unexpected enzyme-catalysed [4+2] cycloaddition and rearrangement in polyether antibiotic biosynthesis. <i>Nature Catalysis</i> , 2019, 2, 1045-1054.	34.4	20
36	Sticky swinging arm dynamics: studies of an acyl carrier protein domain from the mycolactone polyketide synthase. <i>Biochemical Journal</i> , 2016, 473, 1097-1110.	3.7	19

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37	The Cell Wall-Associated Mycolactone Polyketide Synthases Are Necessary but Not Sufficient for Mycolactone Biosynthesis. <i>PLoS ONE</i> , 2013, 8, e70520.	2.5	18
38	An Additional Dehydratase-Like Activity is Required for Lankacidin Antibiotic Biosynthesis. <i>ChemBioChem</i> , 2011, 12, 2408-2412.	2.6	17
39	Site-Specific Modification of the Anticancer and Antituberculosis Polyether Salinomycin by Biosynthetic Engineering. <i>ChemBioChem</i> , 2014, 15, 2081-2085.	2.6	17
40	Transfer, stable maintenance and expression of the mycolactone polyketide megasynthase <i>mls</i> genes in a recombination-impaired <i>Mycobacterium marinum</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 1923-1933.	1.8	12
41	The changing patterns of covalent active site occupancy during catalysis on a modular polyketide synthase multienzyme revealed by ion-trap mass spectrometry. <i>FEBS Journal</i> , 2009, 276, 7057-7069.	4.7	11
42	Enzymology of Pyran Ring-A Formation in Salinomycin Biosynthesis. <i>Angewandte Chemie</i> , 2015, 127, 13826-13829.	2.0	11
43	An Iterative Module in the Azalomycin-F Polyketide Synthase Contains a Switchable Enoylreductase Domain. <i>Angewandte Chemie</i> , 2017, 129, 5595-5598.	2.0	8
44	Sulfation and amidinohydrolysis in the biosynthesis of giant linear polyenes. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2408-2415.	2.2	8
45	An Amidinohydrolase Provides the Missing Link in the Biosynthesis of Amino Marginolactone Antibiotics. <i>Angewandte Chemie</i> , 2016, 128, 1130-1135.	2.0	2