

Ikuro Abe

List of Publications by Year in descending order

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322
papers

12,542
citations

31902

53
h-index

43802

91
g-index

410
all docs

410
docs citations

410
times ranked

9548
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	3.9	715
2	Enzymatic cyclization of squalene and oxidosqualene to sterols and triterpenes. <i>Chemical Reviews</i> , 1993, 93, 2189-2206.	23.0	631
3	An environmental bacterial taxon with a large and distinct metabolic repertoire. <i>Nature</i> , 2014, 506, 58-62.	13.7	530
4	Biosynthesis of fungal meroterpenoids. <i>Natural Product Reports</i> , 2016, 33, 26-53.	5.2	305
5	Structure and function of the chalcone synthase superfamily of plant type III polyketide synthases. <i>Natural Product Reports</i> , 2010, 27, 809.	5.2	260
6	Enzymatic synthesis of cyclic triterpenes. <i>Natural Product Reports</i> , 2007, 24, 1311.	5.2	210
7	Merochlorins Aâ€”D, Cyclic Meroterpenoid Antibiotics Biosynthesized in Divergent Pathways with Vanadium-Dependent Chloroperoxidases. <i>Journal of the American Chemical Society</i> , 2012, 134, 11988-11991.	6.6	181
8	Reconstitution of a fungal meroterpenoid biosynthesis reveals the involvement of a novel family of terpene cyclases. <i>Nature Chemistry</i> , 2010, 2, 858-864.	6.6	178
9	Complete Biosynthetic Pathway of Anditomin: Natureâ€™s Sophisticated Synthetic Route to a Complex Fungal Meroterpenoid. <i>Journal of the American Chemical Society</i> , 2014, 136, 15326-15336.	6.6	157
10	A specific amino acid repeat in squalene and oxidosqualene cyclases. <i>Trends in Biochemical Sciences</i> , 1994, 19, 157-158.	3.7	153
11	Engineered Biosynthesis of Plant Polyketides:â€” Chain Length Control in an Octaketide-Producing Plant Type III Polyketide Synthase. <i>Journal of the American Chemical Society</i> , 2005, 127, 12709-12716.	6.6	143
12	Astellifadiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5785-5788.	7.2	138
13	Green Tea Polyphenols: Novel and Potent Inhibitors of Squalene Epoxidase. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 767-771.	1.0	131
14	Benzalacetone synthase. <i>FEBS Journal</i> , 2001, 268, 3354-3359.	0.2	116
15	Spiro-Ring Formation is Catalyzed by a Multifunctional Dioxygenase in Austinol Biosynthesis. <i>Journal of the American Chemical Society</i> , 2013, 135, 10962-10965.	6.6	114
16	Calyculin biogenesis from a pyrophosphate protoxin produced by a sponge symbiont. <i>Nature Chemical Biology</i> , 2014, 10, 648-655.	3.9	114
17	Inhibitors of squalene biosynthesis and metabolism. <i>Natural Product Reports</i> , 1994, 11, 279.	5.2	107
18	The induction of human UDP-glucuronosyltransferase 1A1 mediated through a distal enhancer module by flavonoids and xenobiotics. <i>Biochemical Pharmacology</i> , 2004, 67, 989-1000.	2.0	106

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19	Reconstituted biosynthesis of fungal meroterpenoid andrastin A. <i>Tetrahedron</i> , 2013, 69, 8199-8204.	1.0	106
20	An Unusual Chimeric Diterpene Synthase from <i>Emericella varicolor</i> and Its Functional Conversion into a Sesterterpene Synthase by Domain Swapping. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1658-1661.	7.2	106
21	Genome-Based Discovery of an Unprecedented Cyclization Mode in Fungal Sesterterpenoid Biosynthesis. <i>Journal of the American Chemical Society</i> , 2016, 138, 10011-10018.	6.6	105
22	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1740-1745.	7.2	103
23	Furan fatty acid as an anti-inflammatory component from the green-lipped mussel <i>Perna canaliculus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17533-17537.	3.3	100
24	A Plant Type III Polyketide Synthase that Produces Pentaketide Chromone. <i>Journal of the American Chemical Society</i> , 2005, 127, 1362-1363.	6.6	99
25	Alkylresorcinol Synthases Expressed in <i>Sorghum bicolor</i> Root Hairs Play an Essential Role in the Biosynthesis of the Allelopathic Benzoquinone Sorgoleone. <i>Plant Cell</i> , 2010, 22, 867-887.	3.1	97
26	Uncovering the Unusual D-Ring Construction in Terretonin Biosynthesis by Collaboration of a Multifunctional Cytochrome P450 and a Unique Isomerase. <i>Journal of the American Chemical Society</i> , 2015, 137, 3393-3401.	6.6	95
27	Discovery of Key Dioxygenases that Diverged the Paraherquonin and Acetoxydehydroaustin Pathways in <i>Penicillium brasilianum</i> . <i>Journal of the American Chemical Society</i> , 2016, 138, 12671-12677.	6.6	90
28	Lanosterol synthase mutations cause cholesterol deficiency-associated cataracts in the Shumiya cataract rat. <i>Journal of Clinical Investigation</i> , 2006, 116, 395-404.	3.9	86
29	Novofumigatonin biosynthesis involves a non-heme iron-dependent endoperoxide isomerase for orthoester formation. <i>Nature Communications</i> , 2018, 9, 2587.	5.8	85
30	A community resource for paired genomic and metabolomic data mining. <i>Nature Chemical Biology</i> , 2021, 17, 363-368.	3.9	81
31	Terretonin Biosynthesis Requires Methylation as Essential Step for Cyclization. <i>ChemBioChem</i> , 2012, 13, 1738-1741.	1.3	80
32	Molecular Basis for Stellatic Acid Biosynthesis: A Genome Mining Approach for Discovery of Sesterterpene Synthases. <i>Organic Letters</i> , 2015, 17, 4644-4647.	2.4	79
33	Substrate Specificity of Chalcone Synthase: Enzymatic Formation of Unnatural Polyketides from Synthetic Cinnamoyl-CoA Analogues. <i>Journal of the American Chemical Society</i> , 2000, 122, 11242-11243.	6.6	72
34	Multiplexing of Combinatorial Chemistry in Antimycin Biosynthesis: Expansion of Molecular Diversity and Utility. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12308-12312.	7.2	72
35	Discovery of non-squalene triterpenes. <i>Nature</i> , 2022, 606, 414-419.	13.7	71
36	Structural Insight into Chain-Length Control and Product Specificity of Pentaketide Chromone Synthase from <i>Aloe arborescens</i> . <i>Chemistry and Biology</i> , 2007, 14, 359-369.	6.2	70

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37	A Methyltransferase Initiates Terpene Cyclization in Teleocidin B Biosynthesis. <i>Journal of the American Chemical Society</i> , 2014, 136, 9910-9913.	6.6	70
38	Enzymatic Formation of Unnatural Aromatic Polyketides by Chalcone Synthase. <i>Biochemical and Biophysical Research Communications</i> , 2000, 279, 190-195.	1.0	69
39	Novel polyketides synthesized with a higher plant stilbene synthase. <i>FEBS Journal</i> , 2001, 268, 3759-3766.	0.2	67
40	Biosynthesis of helvolic acid and identification of an unusual C-4-demethylation process distinct from sterol biosynthesis. <i>Nature Communications</i> , 2017, 8, 1644.	5.8	67
41	Induced production of mycotoxins in an endophytic fungus from the medicinal plant <i>Datura stramonium</i> L.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6397-6400.	1.0	66
42	Unusual chemistries in fungal meroterpenoid biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2016, 31, 1-7.	2.8	64
43	Mechanistic Characterization of Two Chimeric Sesterterpene Synthases from <i>Penicillium</i> . <i>Chemistry - A European Journal</i> , 2017, 23, 10053-10057.	1.7	64
44	Identification of a Key Prenyltransferase Involved in Biosynthesis of the Most Abundant Fungal Meroterpenoids Derived from 3,5-Dimethylorsellinic Acid.. <i>ChemBioChem</i> , 2012, 13, 1132-1135.	1.3	63
45	Complete biosynthetic pathways of ascofuranone and ascochlorin in <i>Acremonium egyptiacum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8269-8274.	3.3	63
46	Site-directed Mutagenesis of Benzalacetone Synthase. <i>Journal of Biological Chemistry</i> , 2003, 278, 25218-25226.	1.6	62
47	Niizalactams A-C, Multicyclic Macrolactams Isolated from Combined Culture of <i>Streptomyces</i> with Mycolic Acid-Containing Bacterium. <i>Journal of Natural Products</i> , 2015, 78, 3011-3017.	1.5	62
48	Apoptosis-Inducing Activity of Lipid Derivatives of Gallic Acid.. <i>Biological and Pharmaceutical Bulletin</i> , 2000, 23, 1391-1394.	0.6	61
49	Synthesis of unnatural alkaloid scaffolds by exploiting plant polyketide synthase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13504-13509.	3.3	61
50	Biosynthetic Pathway for High Structural Diversity of a Common Dilactone Core in Antimycin Production. <i>Organic Letters</i> , 2012, 14, 4142-4145.	2.4	60
51	Biosynthesis of LL-272: Discovery of a New Member of NRPS-like Enzymes for Aryl-Aldehyde Formation. <i>ChemBioChem</i> , 2016, 17, 904-907.	1.3	59
52	Structure function and engineering of multifunctional non-heme iron dependent oxygenases in fungal meroterpenoid biosynthesis. <i>Nature Communications</i> , 2018, 9, 104.	5.8	58
53	Chojalactones A-C, Cytotoxic Butanolides Isolated from <i>Streptomyces</i> sp. Cultivated with Mycolic Acid Containing Bacterium. <i>Organic Letters</i> , 2015, 17, 1501-1504.	2.4	57
54	Identification of the active site of vertebrate oxidosqualene cyclase. <i>Lipids</i> , 1995, 30, 231-234.	0.7	56

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55	Chimeric Terpene Synthases Possessing both Terpene Cyclization and Prenyltransfer Activities. <i>ChemBioChem</i> , 2018, 19, 1106-1114.	1.3	56
56	Calyxamides A and B, Cytotoxic Cyclic Peptides from the Marine Sponge <i>Discodermia calyx</i> . <i>Journal of Natural Products</i> , 2012, 75, 290-294.	1.5	55
57	Unique chemistry of non-heme iron enzymes in fungal biosynthetic pathways. <i>Natural Product Reports</i> , 2018, 35, 633-645.	5.2	55
58	Activation of silent biosynthetic pathways and discovery of novel secondary metabolites in actinomycetes by co-culture with mycolic acid-containing bacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 363-374.	1.4	55
59	Engineering of <i>Candida glabrata</i> Ketoreductase 1 for Asymmetric Reduction of α -Halo Ketones. <i>ACS Catalysis</i> , 2016, 6, 6135-6140.	5.5	54
60	The first plant type III polyketide synthase that catalyzes formation of aromatic heptaketide. <i>FEBS Letters</i> , 2004, 562, 171-176.	1.3	53
61	An acridone-producing novel multifunctional type III polyketide synthase from <i>Huperzia serrata</i> . <i>FEBS Journal</i> , 2007, 274, 1073-1082.	2.2	53
62	Pyranonigrin E: A PKS-NRPS Hybrid Metabolite from <i>Aspergillus niger</i> Identified by Genome Mining. <i>ChemBioChem</i> , 2013, 14, 2095-2099.	1.3	53
63	How structural subtleties lead to molecular diversity for the type III polyketide synthases. <i>Journal of Biological Chemistry</i> , 2019, 294, 15121-15136.	1.6	53
64	Arcyriaflavin E, a new cytotoxic indolocarbazole alkaloid isolated by combined-culture of mycolic acid-containing bacteria and <i>Streptomyces cinnamoneus</i> NBRC 13823. <i>Journal of Antibiotics</i> , 2015, 68, 342-344.	1.0	52
65	Manipulation of prenylation reactions by structure-based engineering of bacterial indolactam prenyltransferases. <i>Nature Communications</i> , 2016, 7, 10849.	5.8	51
66	Galloyl Esters from Rhubarb are Potent Inhibitors of Squalene Epoxidase, a Key Enzyme in Cholesterol Biosynthesis. <i>Planta Medica</i> , 2000, 66, 753-756.	0.7	50
67	Enzymatic formation of long-chain polyketide pyrones by plant type III polyketide synthases. <i>Phytochemistry</i> , 2004, 65, 2447-2453.	1.4	48
68	Structural basis for the one-pot formation of the diarylheptanoid scaffold by curcuminoid synthase from <i>Oryza sativa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19778-19783.	3.3	48
69	A structure-based mechanism for benzalacetone synthase from <i>Rheum palmatum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 669-673.	3.3	48
70	Molecular cloning and characterization of copper amine oxidase from <i>Huperzia serrata</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5784-5790.	1.0	48
71	3,5-Dimethylorsellinic Acid Derived Meroterpenoids from <i>Penicillium chrysogenum</i> MT-12, an Endophytic Fungus Isolated from <i>Huperzia serrata</i> . <i>Journal of Natural Products</i> , 2017, 80, 2699-2707.	1.5	48
72	Reprogramming of the antimycin NRPS-PKS assembly lines inspired by gene evolution. <i>Nature Communications</i> , 2018, 9, 3534.	5.8	47

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73	Astellifadiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. <i>Angewandte Chemie</i> , 2016, 128, 5879-5882.	1.6	46
74	Potent and Selective Inhibition of Squalene Epoxidase by Synthetic Galloyl Esters. <i>Biochemical and Biophysical Research Communications</i> , 2000, 270, 137-140.	1.0	45
75	Novel type III polyketide synthases from <i>Aloe arborescens</i> . <i>FEBS Journal</i> , 2009, 276, 2391-2401.	2.2	45
76	Affinity labeling of vertebrate oxidosqualene cyclases with a tritiated suicide substrate. <i>Biochemical and Biophysical Research Communications</i> , 1992, 187, 32-38.	1.0	44
77	Enzymic cyclization of 2,3-dihydrosqualene and squalene 2,3-epoxide by squalene cyclases: from pentacyclic to tetracyclic triterpenes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1994, , 783.	0.9	44
78	Probing biosynthesis of plant polyketides with synthetic N-acetylcysteamine thioesters. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 561-567.	1.0	44
79	Structural and Computational Bases for Dramatic Skeletal Rearrangement in Anditomin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2018, 140, 9743-9750.	6.6	43
80	Mycolic Acid Containing Bacterium Stimulates Tandem Cyclization of Polyene Macrolactam in a Lake Sediment Derived Rare Actinomycete. <i>Organic Letters</i> , 2017, 19, 4992-4995.	2.4	42
81	Elucidation and Heterologous Reconstitution of Chrodrimanin B Biosynthesis. <i>Organic Letters</i> , 2018, 20, 7504-7508.	2.4	42
82	Chemistry of fungal meroterpenoid cyclases. <i>Natural Product Reports</i> , 2021, 38, 566-585.	5.2	42
83	Crystalline Sponge Method Enabled the Investigation of a Prenyltransferase-terpene Synthase Chimeric Enzyme, Whose Product Exhibits Broadened NMR Signals. <i>Organic Letters</i> , 2018, 20, 5606-5609.	2.4	41
84	Epigenetic modifier-induced biosynthesis of novel fusaric acid derivatives in endophytic fungi from <i>Datura stramonium</i> L.. <i>Natural Products and Bioprospecting</i> , 2013, 3, 20-23.	2.0	39
85	Kaempulchraols A-H, Diterpenoids from the Rhizomes of <i>Kaempferia pulchra</i> Collected in Myanmar. <i>Journal of Natural Products</i> , 2015, 78, 1113-1118.	1.5	39
86	Isopimarane diterpenoids from <i>Kaempferia pulchra</i> rhizomes collected in Myanmar and their Vpr inhibitory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1789-1793.	1.0	39
87	Comparative Genomics and Metabolomics in the Genus <i>Nocardia</i> . <i>MSystems</i> , 2020, 5, .	1.7	39
88	Purification of squalene-2,3-epoxide cyclases from cell suspension cultures of <i>Rabdosia japonica</i> Hara. <i>FEBS Letters</i> , 1989, 249, 100-104.	1.3	38
89	Structural Basis for Î²-Carboline Alkaloid Production by the Microbial Homodimeric Enzyme McbB. <i>Chemistry and Biology</i> , 2015, 22, 898-906.	6.2	38
90	Engineered Biosynthesis of Plant Polyketides: Manipulation of Chalcone Synthase. <i>Organic Letters</i> , 2006, 8, 499-502.	2.4	37

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91	Active site residues governing substrate selectivity and polyketide chain length in aloesone synthase. <i>FEBS Journal</i> , 2006, 273, 208-218.	2.2	37
92	An Unusual Chimeric Diterpene Synthase from <i>Emericella varicolor</i> and Its Functional Conversion into a Sesterterpene Synthase by Domain Swapping. <i>Angewandte Chemie</i> , 2016, 128, 1690-1693.	1.6	37
93	Molecular basis for the P450-catalyzed C ^α -N bond formation in indolactam biosynthesis. <i>Nature Chemical Biology</i> , 2019, 15, 1206-1213.	3.9	37
94	Aminoacyl sulfonamide assembly in SB-203208 biosynthesis. <i>Nature Communications</i> , 2019, 10, 184.	5.8	37
95	Acyltransferase that catalyses the condensation of polyketide and peptide moieties of goadivionin hybrid lipopeptides. <i>Nature Chemistry</i> , 2020, 12, 869-877.	6.6	37
96	A two-step sulfation in antibiotic biosynthesis requires a type III polyketide synthase. <i>Nature Chemical Biology</i> , 2013, 9, 610-615.	3.9	36
97	Metagenomic Analysis of the Sponge <i>Discodermia</i> Reveals the Production of the Cyanobacterial Natural Product Kasumigamide by <i>Entotheonella</i> . <i>PLoS ONE</i> , 2016, 11, e0164468.	1.1	36
98	Cyclization of (3S)29-Methylidene-2,3-oxidosqualene by Bacterial Squalene:Hopene Cyclase: Irreversible Enzyme Inactivation and Isolation of an Unnatural Dammarenoid. <i>Journal of the American Chemical Society</i> , 1997, 119, 11333-11334.	6.6	35
99	Enzymatic Formation of an Unnatural C ₆ -C ₅ Aromatic Polyketide by Plant Type III Polyketide Synthases. <i>Organic Letters</i> , 2002, 4, 3623-3626.	2.4	35
100	Enzymatic Reactions by Five Chalcone Synthase Homologs from Hop (<i>Humulus lupulus</i> L.). <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 1142-1145.	0.6	35
101	Enzymatic Formation of Quinolone Alkaloids by a Plant Type III Polyketide Synthase. <i>Organic Letters</i> , 2006, 8, 6063-6065.	2.4	35
102	Kaempulchraols ¹⁶ O: new isopimarane diterpenoids from <i>Kaempferia pulchra</i> rhizomes collected in Myanmar and their antiproliferative activity. <i>Tetrahedron</i> , 2015, 71, 4707-4713.	1.0	35
103	Biosynthesis of the ¹² O-Lactone Proteasome Inhibitors Belactosin and Cystargolide. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6665-6668.	7.2	35
104	Biosynthetic pathway for furanosteroid demethoxyviridin and identification of an unusual pregnane side-chain cleavage. <i>Nature Communications</i> , 2018, 9, 1838.	5.8	35
105	Synthesis and Inhibition Studies of Sulfur-Substituted Squalene Oxide Analogues as Mechanism-Based Inhibitors of 2,3-Oxidosqualene ¹⁴ Lanosterol Cyclase. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 201-209.	2.9	34
106	Molecular cloning, expression, and characterization of adenylate isopentenyltransferase from hop (<i>Humulus lupulus</i> L.). <i>Phytochemistry</i> , 2004, 65, 2439-2446.	1.4	34
107	Synthesis and enzymatic cyclization of (3S)11-fluoro-2,3-oxidosqualene. <i>Tetrahedron Letters</i> , 1998, 39, 957-960.	0.7	33
108	Enzymatic Formation of an Unnatural Hexacyclic C ₃₅ Polyprenoid by Bacterial Squalene Cyclase. <i>Journal of the American Chemical Society</i> , 2002, 124, 14514-14515.	6.6	33

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109	Enzymatic Formation of Unnatural Novel Chalcone, Stilbene, and Benzophenone Scaffolds by Plant Type III Polyketide Synthase. <i>Organic Letters</i> , 2009, 11, 551-554.	2.4	33
110	Structural basis for olivetolic acid formation by a polyketide cyclase from <i>Cannabis sativa</i> . <i>FEBS Journal</i> , 2016, 283, 1088-1106.	2.2	33
111	Molecular basis for the unusual ring reconstruction in fungal meroterpenoid biogenesis. <i>Nature Chemical Biology</i> , 2017, 13, 1066-1073.	3.9	33
112	Biosynthesis of the teleocidin-type terpenoid indole alkaloids. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4746-4752.	1.5	33
113	(+)- and (âˆ’)-Preusiolactone A: A Pair of Caged Norsesquiterpenoidal Enantiomers with a Tricyclo[4.4.0^{1,6}.0^{2,8}]decane Carbon Skeleton from the Endophytic Fungus <i>Preussia isomera</i> . <i>Organic Letters</i> , 2019, 21, 1078-1081.	2.4	33
114	Î²-NAD as a building block in natural product biosynthesis. <i>Nature</i> , 2021, 600, 754-758.	13.7	33
115	Photoaffinity Labeling of Oxidosqualene Cyclase and Squalene Cyclase by a Benzophenone-Containing Inhibitor. <i>Biochemistry</i> , 1998, 37, 5779-5784.	1.2	32
116	Engineering of Plant Polyketide Biosynthesis. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1505-1514.	0.6	32
117	Induced production of novel prenyldepside and coumarins in endophytic fungi <i>Pestalotiopsis acaciae</i> . <i>Tetrahedron Letters</i> , 2013, 54, 5814-5817.	0.7	32
118	Warhead biosynthesis and the origin of structural diversity in hydroxamate metalloproteinase inhibitors. <i>Nature Communications</i> , 2017, 8, 1965.	5.8	32
119	Cytochrome P450 for Citreohybridonol Synthesis: Oxidative Derivatization of the Andrastin Scaffold. <i>Organic Letters</i> , 2016, 18, 296-299.	2.4	31
120	Molecular insights into the endoperoxide formation by Fe(II)/Î±-KG-dependent oxygenase Nvfl. <i>Nature Communications</i> , 2021, 12, 4417.	5.8	31
121	Enzymatic Formation of Unnatural Novel Polyketides from Alternate Starter and Nonphysiological Extension Substrate by Chalcone Synthase. <i>Organic Letters</i> , 2003, 5, 1277-1280.	2.4	30
122	Benzophenone synthase from <i>Garcinia mangostana</i> L. pericarps. <i>Phytochemistry</i> , 2012, 77, 60-69.	1.4	30
123	Stereodivergent Nitrocyclopropane Formation during Biosynthesis of Belactosins and Hormaomycins. <i>Journal of the American Chemical Society</i> , 2021, 143, 18413-18418.	6.6	30
124	Enzymatic Formation of Indole-Containing Unnatural Cyclic Polyprenoids by Bacterial Squalene:Hopene Cyclase. <i>Organic Letters</i> , 2005, 7, 5873-5876.	2.4	29
125	Bis-iridoid and iridoid glycosides: Viral protein R inhibitors from <i>Picrorhiza kurroa</i> collected in Myanmar. <i>FÃ-toterapÃ-Ãç</i> , 2019, 134, 101-107.	1.1	29
126	Biosynthesis of Biscognienyne...B Involving a Cytochrome P450-Dependent Alkynylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13531-13536.	7.2	29

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127	Biosynthesis of alkyne-containing natural products. <i>RSC Chemical Biology</i> , 2021, 2, 166-180.	2.0	29
128	Identification of a diarylpentanoid-producing polyketide synthase revealing an unusual biosynthetic pathway of 2-(2-phenylethyl)chromones in agarwood. <i>Nature Communications</i> , 2022, 13, 348.	5.8	29
129	Squalene Epoxidase and Oxidosqualene : Lanosterol Cyclase Key Enzymes in Cholesterol Biosynthesis. , 1999, , 267-298.		28
130	Site-directed mutagenesis of conserved aromatic residues in rat squalene epoxidase. <i>Biochemical and Biophysical Research Communications</i> , 2007, 352, 259-263.	1.0	28
131	Structure-Based Engineering of a Plant Type III Polyketide Synthase: Formation of an Unnatural Nonaketide Naphthopyrone. <i>Journal of the American Chemical Society</i> , 2007, 129, 5976-5980.	6.6	28
132	Structure Function Analysis of Novel Type III Polyketide Synthases from <i>Arabidopsis thaliana</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 2205-2210.	0.6	28
133	Very-long-chain 3-hydroxy fatty acids, 3-hydroxy fatty acid methyl esters and 2-alkanols from cuticular waxes of <i>Aloe arborescens</i> leaves. <i>Phytochemistry</i> , 2015, 113, 183-194.	1.4	28
134	Biosynthesis of clinically used antibiotic fusidic acid and identification of two short-chain dehydrogenase/reductases with converse stereoselectivity. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 433-442.	5.7	28
135	Exploiting the Potential of Meroterpenoid Cyclases to Expand the Chemical Space of Fungal Meroterpenoids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23772-23781.	7.2	28
136	A heptaketide naphthaldehyde produced by a polyketide synthase from <i>Nectria haematococca</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4338-4340.	1.0	27
137	Cloning and Structure-Function Analyses of Quinolone- and Acridone-producing Novel Type III Polyketide Synthases from <i>Citrus microcarpa</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 28845-28858.	1.6	27
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