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	Structure-based engineering of Î±-ketoglutarate dependent oxygenases in fungal meroterpenoid biosynthesis. Natural Product Reports, 2023, 40, 46-61.	5.2	5
2	Molecular insights into the unusually promiscuous and catalytically versatile Fe(II)/Î±-ketoglutarate-dependent oxygenase SptF. Nature Communications, 2022, 13, 95.	5.8	17
3	Discovery of a Cryptic Nitro Intermediate in the Biosynthesis of the 3-(trans-2â€²-Aminocyclopropyl)alanine Moiety of Belactosin A. Organic Letters, 2022, 24, 736-740.	2.4	11
4	Identification of a diarylpentanoid-producing polyketide synthase revealing an unusual biosynthetic pathway of 2-(2-phenylethyl)chromones in agarwood. Nature Communications, 2022, 13, 348.	5.8	29
5	Rational Engineering of the Nonheme Iron- and 2-Oxoglutarate-Dependent Oxygenase SptF. Organic Letters, 2022, 24, 1737-1741.	2.4	3
6	A Multifunctional Cytochrome P450 and a Meroterpenoid Cyclase in the Biosynthesis of Fungal Meroterpenoid Atlantinone B. Organic Letters, 2022, 24, 2526-2530.	2.4	6
7	Structure-based redesign of Fe(<scp>ii</scp>)/2-oxoglutarate-dependent oxygenase AndA to catalyze spiro-ring formation. Chemical Communications, 2022, 58, 5510-5513.	2.2	5
8	Understanding and Manipulating Assembly Line Biosynthesis by Heterologous Expression in Streptomyces. Methods in Molecular Biology, 2022, 2489, 223-238.	0.4	2
9	Characterization of Enzymes Catalyzing the Initial Steps of the Î²-Lactam Tabtoxin Biosynthesis. Organic Letters, 2022, 24, 3337-3341.	2.4	1
10	Discovery of non-squalene triterpenes. Nature, 2022, 606, 414-419.	13.7	71
11	Structure, function, and engineering of plant polyketide synthases. Methods in Enzymology, 2022, , .	0.4	0
12	Enzymatic Formation of Indolactam Scaffold by Câ^'N Bondâ€Forming Cytochrome P450 Oxidases in Teleocidin Biosynthesis. Chemistry - A European Journal, 2021, 27, 2963-2972.	1.7	18
13	Chemistry of fungal meroterpenoid cyclases. Natural Product Reports, 2021, 38, 566-585.	5.2	42
14	Biosynthesis of alkyne-containing natural products. RSC Chemical Biology, 2021, 2, 166-180.	2.0	29
15	Biosynthesis of sulfonamide and sulfamate antibiotics in actinomycete. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	1.4	14
16	A community resource for paired genomic and metabolomic data mining. Nature Chemical Biology, 2021, 17, 363-368.	3.9	81
17	One Polyketide Synthase, Two Distinct Products: Transâ€Acting Enzymeâ€Controlled Product Divergence in Calbistrin Biosynthesis. Angewandte Chemie - International Edition, 2021, 60, 8851-8858.	7.2	14
18	Anti-Vpr activities of sesqui- and diterpenoids from the roots and rhizomes of Kaempferia candida. Journal of Natural Medicines, 2021, 75, 489-498.	1.1	3

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19	InnenrÃ¼cktitelbild: One Polyketide Synthase, Two Distinct Products: Transâ€Acting Enzymeâ€Controlled Product Divergence in Calbistrin Biosynthesis (Angew. Chem. 16/2021). Angewandte Chemie, 2021, 133, 9227-9227.	1.6	0
20	One Polyketide Synthase, Two Distinct Products: Trans â€Acting Enzymeâ€Controlled Product Divergence in Calbistrin Biosynthesis. Angewandte Chemie, 2021, 133, 8933-8940.	1.6	0
21	Novel Cyclohexyl Meroterpenes Produced by Combinatorial Biosynthesis. Chemical and Pharmaceutical Bulletin, 2021, 69, 444-446.	0.6	4
22	Extensive expansion of the chemical diversity of fusidane-type antibiotics using a stochastic combinational strategy. Acta Pharmaceutica Sinica B, 2021, 11, 1676-1685.	5.7	9
23	Shanpanootols A-F, diterpenoids from Kaempferia pulchra rhizomes collected in Myanmar and their Vpr inhibitory activities. FÃ¬toterapÃ¬Ã¢, 2021, 151, 104870.	1.1	8
24	Microbial soluble aromatic prenyltransferases for engineered biosynthesis. Synthetic and Systems Biotechnology, 2021, 6, 51-62.	1.8	7
25	Aziridine Formation by a Fe^{II}/Î±â€Ketoglutarate Dependent Oxygenase and 2â€Aminoisobutyrate Biosynthesis in Fungi. Angewandte Chemie, 2021, 133, 15961-15965.	1.6	7
26	Enzymology and biosynthesis of the orsellinic acid derived medicinal meroterpenoids. Current Opinion in Biotechnology, 2021, 69, 52-59.	3.3	10
27	Natural Products from Nocardia and Their Role in Pathogenicity. Microbial Physiology, 2021, 31, 217-232.	1.1	14
28	Reconstitution of Polyketide-Derived Meroterpenoid Biosynthetic Pathway in Aspergillus oryzae. Journal of Fungi (Basel, Switzerland), 2021, 7, 486.	1.5	13
29	Aziridine Formation by a Fe^{II}/Î±â€Ketoglutarate Dependent Oxygenase and 2â€Aminoisobutyrate Biosynthesis in Fungi. Angewandte Chemie - International Edition, 2021, 60, 15827-15831.	7.2	24
30	Structural Basis for Isomerization Reactions in Fungal Tetrahydroxanthone Biosynthesis and Diversification. Angewandte Chemie - International Edition, 2021, 60, 19458-19465.	7.2	10
31	Pyrrolactams from Marine Sponge <i>Stylissa massa</i> Collected from Myanmar and Their Anti-Vpr Activities. Chemical and Pharmaceutical Bulletin, 2021, 69, 702-705.	0.6	2
32	Structural Basis for Isomerization Reactions in Fungal Tetrahydroxanthone Biosynthesis and Diversification. Angewandte Chemie, 2021, 133, 19607-19614.	1.6	3
33	Molecular insights into the endoperoxide formation by Fe(II)/Î±-KG-dependent oxygenase NvfI. Nature Communications, 2021, 12, 4417.	5.8	31
34	A New Monoterpene from the Rhizomes of Alpinia galanga and Its Antiâ€Vpr Activity. Chemistry and Biodiversity, 2021, 18, e2100401.	1.0	2
35	Insights into phosphatase-activated chemical defense in a marine sponge holobiont. RSC Chemical Biology, 2021, 2, 1600-1607.	2.0	4
36	Stereodivergent Nitrocyclopropane Formation during Biosynthesis of Belactosins and Hormaomycins. Journal of the American Chemical Society, 2021, 143, 18413-18418.	6.6	30

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37	C-Glycoside metabolism in the gut and in nature: Identification, characterization, structural analyses and distribution of C-C bond-cleaving enzymes. Nature Communications, 2021, 12, 6294.	5.8	25
38	Heterodimeric Non-heme Iron Enzymes in Fungal Meroterpenoid Biosynthesis. Journal of the American Chemical Society, 2021, 143, 21425-21432.	6.6	20
39	Î²-NAD as a building block in natural product biosynthesis. Nature, 2021, 600, 754-758.	13.7	33
40	Fungal Meroterpenoids. , 2020, , 445-478.		13
41	Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie - International Edition, 2020, 59, 3988-3993.	7.2	27
42	Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie, 2020, 132, 4017-4022.	1.6	4
43	Anti-Vpr activities of homodrimane sesquiterpenoids and labdane diterpenoids from Globba sherwoodiana rhizomes. FÃ¬toterapÃ¬Â¢, 2020, 146, 104705.	1.1	4
44	Total Synthesis and Structural Revision of Kasumigamide, and Identification of a New Analogue. ChemBioChem, 2020, 21, 3329-3332.	1.3	8
45	Frontispiece: Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie - International Edition, 2020, 59, .	7.2	0
46	Discovery of the cryptic function of terpene cyclases as aromatic prenyltransferases. Nature Communications, 2020, 11, 3958.	5.8	22
47	Acyltransferase that catalyses the condensation of polyketide and peptide moieties of goadvionin hybrid lipopeptides. Nature Chemistry, 2020, 12, 869-877.	6.6	37
48	Deciphering the Biosynthetic Mechanism of Pelletierine in Lycopodium Alkaloid Biosynthesis. Organic Letters, 2020, 22, 8725-8729.	2.4	14
49	Exploiting the Potential of Meroterpenoid Cyclases to Expand the Chemical Space of Fungal Meroterpenoids. Angewandte Chemie, 2020, 132, 23980-23989.	1.6	9
50	Exploiting the Potential of Meroterpenoid Cyclases to Expand the Chemical Space of Fungal Meroterpenoids. Angewandte Chemie - International Edition, 2020, 59, 23772-23781.	7.2	28
51	Biosynthesis of Biscognienyneâ€…B Involving a Cytochrome P450â€Dependent Alkynylation. Angewandte Chemie, 2020, 132, 13633-13638.	1.6	7
52	Biosynthesis of Biscognienyneâ€…B Involving a Cytochrome P450â€Dependent Alkynylation. Angewandte Chemie - International Edition, 2020, 59, 13531-13536.	7.2	29
53	Heterochiral coupling in non-ribosomal peptide macrolactamization. Nature Catalysis, 2020, 3, 507-515.	16.1	18
54	Molecular Basis for Sesterterpene Diversity Produced by Plant Terpene Synthases. Plant Communications, 2020, 1, 100051.	3.6	17

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55	Structural Diversification of Andiconin-Derived Natural Products by Î±-Ketoglutarate-Dependent Dioxygenases. Organic Letters, 2020, 22, 4311-4315.	2.4	16
56	Comparative Genomics and Metabolomics in the Genus Nocardia. MSystems, 2020, 5, .	1.7	39
57	Biosynthesis of medicinally important plant metabolites by unusual type III polyketide synthases. Journal of Natural Medicines, 2020, 74, 639-646.	1.1	18
58	Sporormielones Aâ€“E, bioactive novel Câ€“C coupled orsellinic acid derivative dimers, and their biosynthetic origin. Chemical Communications, 2020, 56, 4607-4610.	2.2	16
59	Identification and characterization of N9-methyltransferase involved in converting caffeine into non-stimulatory theacrine in tea. Nature Communications, 2020, 11, 1473.	5.8	27
60	New Nocobactin Derivatives with Antimuscarinic Activity, Terpenibactins Aâ€“C, Revealed by Genome Mining of Nocardia terpenica IFM 0406. ChemBioChem, 2020, 21, 2205-2213.	1.3	13
61	Frontispiz: Exploiting a Câ€“N Bond Forming Cytochromeâ€…P450 Monooxygenase for Câ€“S Bond Formation. Angewandte Chemie, 2020, 132, .	1.6	0
62	Three new quassinoids isolated from the wood of Picrasma javanica and their anti-Vpr activities. Journal of Natural Medicines, 2020, 74, 571-578.	1.1	12
63	Nonheme Iron- and 2-Oxoglutarate-Dependent Dioxygenases in Fungal Meroterpenoid Biosynthesis. Chemical and Pharmaceutical Bulletin, 2020, 68, 823-831.	0.6	12
64	Sesterterpenoids. Progress in the Chemistry of Organic Natural Products, 2020, 111, 1-79.	0.8	1
65	Structural Elucidation of Tenebrathin: Cytotoxic C-5-Substituted Î³-Pyrone with a Nitroaryl Side Chain from Streptoalloteichus tenebrarius. Organic Letters, 2019, 21, 6519-6522.	2.4	6
66	Inherent atomic mobility changes in carbocation intermediates during the sesterterpene cyclization cascade. Beilstein Journal of Organic Chemistry, 2019, 15, 1890-1897.	1.3	6
67	Identification of Novel Î±-Pyrones from Conexibacter woesei Serving as Sulfate Shuttles. ACS Chemical Biology, 2019, 14, 1972-1980.	1.6	4
68	Beijinchromes Aâ€“D, Novel Aromatic Compounds Isolated from Nocardia beijingensis NBRC 16342. Chemical and Pharmaceutical Bulletin, 2019, 67, 775-777.	0.6	0
69	Molecular basis for the plasticity of aromatic prenyltransferases in hapalindole biosynthesis. Beilstein Journal of Organic Chemistry, 2019, 15, 1545-1551.	1.3	10
70	Biomimetic Synthesis of Meroterpenoids by Dearomatizationâ€Driven Polycyclization. Angewandte Chemie - International Edition, 2019, 58, 16141-16146.	7.2	26
71	Biomimetic Synthesis of Meroterpenoids by Dearomatizationâ€Driven Polycyclization. Angewandte Chemie, 2019, 131, 16287-16292.	1.6	7
72	How structural subtleties lead to molecular diversity for the type III polyketide synthases. Journal of Biological Chemistry, 2019, 294, 15121-15136.	1.6	53

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73	Viral protein R inhibitors from Swertia chirata of Myanmar. Journal of Bioscience and Bioengineering, 2019, 128, 445-449.	1.1	25
74	Biosynthetic reconstitution of deoxysugar phosphoramidate metalloprotease inhibitors using an Nâ€“P-bond-forming kinase. Chemical Science, 2019, 10, 4486-4490.	3.7	7
75	Multidomain P450 Epoxidase and a Terpene Cyclase from the Ascochlorin Biosynthetic Pathway in Fusarium sp.. Organic Letters, 2019, 21, 2330-2334.	2.4	21
76	A New Tetrahydrofuran Lignan from Premna serratifolia Wood. Natural Product Communications, 2019, 14, 1934578X1901400.	0.2	0
77	Built to bind: biosynthetic strategies for the formation of small-molecule protease inhibitors. Natural Product Reports, 2019, 36, 1654-1686.	5.2	24
78	Complete biosynthetic pathways of ascofuranone and ascochlorin in Acremonium egyptiacum. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8269-8274.	3.3	63
79	Bis-iridoid and iridoid glycosides: Viral protein R inhibitors from Picrorhiza kurroa collected in Myanmar. FÃ¬toterapÃ¬Ã¢, 2019, 134, 101-107.	1.1	29
80	(+)- and (â^')-Preuisolactone 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 Preussia isomera. Organic Letters, 2019, 21, 1078-1081.	2.4	33
81	Introduction to the special issue: â€œNatural Product Discovery and Development in the Genomic Era: 2019â€. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 249-249.	1.4	1
82	Molecular basis for the P450-catalyzed Câ€“N bond formation in indolactam biosynthesis. Nature Chemical Biology, 2019, 15, 1206-1213.	3.9	37
83	Lignans with melanogenesis effects from Premna serratifolia wood. FÃ¬toterapÃ¬Ã¢, 2019, 133, 35-42.	1.1	11
84	Dinorcassane Diterpenoid from Boesenbergia rotunda Rhizomes Collected in Lower Myanmar. Chemistry and Biodiversity, 2019, 16, e1800657.	1.0	4
85	Aminoacyl sulfonamide assembly in SB-203208 biosynthesis. Nature Communications, 2019, 10, 184.	5.8	37
86	Biosynthesis of clinically used antibiotic fusidic acid and identification of two short-chain dehydrogenase/reductases with converse stereoselectivity. Acta Pharmaceutica Sinica B, 2019, 9, 433-442.	5.7	28
87	Activation of silent biosynthetic pathways and discovery of novel secondary metabolites in actinomycetes by co-culture with mycolic acid-containing bacteria. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 363-374.	1.4	55
88	Unique chemistry of non-heme iron enzymes in fungal biosynthetic pathways. Natural Product Reports, 2018, 35, 633-645.	5.2	55
89	Molecular Insight into the Mg²⁺â€Dependent Allosteric Control of Indole Prenylation by Aromatic Prenyltransferase AmbP1. Angewandte Chemie - International Edition, 2018, 57, 6810-6813.	7.2	16
90	Chimeric Terpene Synthases Possessing both Terpene Cyclization and Prenyltransfer Activities. ChemBioChem, 2018, 19, 1106-1114.	1.3	56

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91	A Tryptophan Prenyltransferase with Broad Substrate Tolerance from Bacillus subtilis subsp. natto. ChemBioChem, 2018, 19, 1396-1399.	1.3	6
92	Characterization of the Actinonin Biosynthetic Gene Cluster. ChemBioChem, 2018, 19, 1189-1195.	1.3	8
93	Structure function and engineering of multifunctional non-heme iron dependent oxygenases in fungal meroterpenoid biosynthesis. Nature Communications, 2018, 9, 104.	5.8	58
94	Two Distinct Substrate Binding Modes for the Normal and Reverse Prenylation of Hapalindoles by the Prenyltransferase AmbP3. Angewandte Chemie, 2018, 130, 569-572.	1.6	3
95	Two new pyrrolo-2-aminoimidazoles from a Myanmarese marine sponge, Clathria prolifera. Journal of Natural Medicines, 2018, 72, 803-807.	1.1	9
96	Tetrahydrofuran lignans: Melanogenesis inhibitors from Premna integrifolia wood collected in Myanmar. FÃ¬toterapÃ¬Â¢, 2018, 127, 308-313.	1.1	14
97	Umezawamides, new bioactive polycyclic tetramate macrolactams isolated from a combined-culture of Umezawaea sp. and mycolic acid-containing bacterium. Journal of Antibiotics, 2018, 71, 653-657.	1.0	26
98	Two Distinct Substrate Binding Modes for the Normal and Reverse Prenylation of Hapalindoles by the Prenyltransferase AmbP3. Angewandte Chemie - International Edition, 2018, 57, 560-563.	7.2	23
99	Computational Studies on Biosynthetic Carbocation Rearrangements Leading to Quiannulatene: Initial Conformation Regulates Biosynthetic Route, Stereochemistry, and Skeleton Type. Angewandte Chemie, 2018, 130, 14968-14973.	1.6	1
100	Elucidation and Heterologous Reconstitution of Chrodrimanin B Biosynthesis. Organic Letters, 2018, 20, 7504-7508.	2.4	42
101	Computational Studies on Biosynthetic Carbocation Rearrangements Leading to Quiannulatene: Initial Conformation Regulates Biosynthetic Route, Stereochemistry, and Skeleton Type. Angewandte Chemie - International Edition, 2018, 57, 14752-14757.	7.2	24
102	Crystalline Sponge Method Enabled the Investigation of a Prenyltransferase-terpene Synthase Chimeric Enzyme, Whose Product Exhibits Broadened NMR Signals. Organic Letters, 2018, 20, 5606-5609.	2.4	41
103	Reprogramming of the antimycin NRPS-PKS assembly lines inspired by gene evolution. Nature Communications, 2018, 9, 3534.	5.8	47
104	Hinduchelins Aâ€“D, Noncytotoxic Catechol Derivatives from Streptoalloteichus hindustanus. Journal of Natural Products, 2018, 81, 1493-1496.	1.5	4
105	Biosynthesis of the teleocidin-type terpenoid indole alkaloids. Organic and Biomolecular Chemistry, 2018, 16, 4746-4752.	1.5	33
106	Structural and Computational Bases for Dramatic Skeletal Rearrangement in Anditomin Biosynthesis. Journal of the American Chemical Society, 2018, 140, 9743-9750.	6.6	43
107	Novofumigatonin biosynthesis involves a non-heme iron-dependent endoperoxide isomerase for orthoester formation. Nature Communications, 2018, 9, 2587.	5.8	85
108	Biosynthetic pathway for furanosteroid demethoxyviridin and identification of an unusual pregnane side-chain cleavage. Nature Communications, 2018, 9, 1838.	5.8	35

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109	Catenulobactins A and B, Heterocyclic Peptides from Culturing Catenuloplanes sp. with a Mycolic Acid-Containing Bacterium. Journal of Natural Products, 2018, 81, 2106-2110.	1.5	26
110	Mirilactams Câ€“E, Novel Polycyclic Macrolactams Isolated from Combined-Culture of <i>Actinosynnema mirum</i> NBRC 14064 and Mycolic Acid-Containing Bacterium. Chemical and Pharmaceutical Bulletin, 2018, 66, 660-667.	0.6	19
111	Biosynthetic studies on teleocidins in Streptomyces. Journal of Antibiotics, 2018, 71, 763-768.	1.0	14
112	Molecular Insight into the Mg²⁺â€Dependent Allosteric Control of Indole Prenylation by Aromatic Prenyltransferase AmbP1. Angewandte Chemie, 2018, 130, 6926-6929.	1.6	0
113	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie - International Edition, 2017, 56, 1740-1745.	7.2	103
114	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie, 2017, 129, 1766-1771.	1.6	3
115	Frontispiece: Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
116	2-Alkylquinolone alkaloid biosynthesis in the medicinal plant Evodia rutaecarpa involves collaboration of two novel type III polyketide synthases. Journal of Biological Chemistry, 2017, 292, 9117-9135.	1.6	14
117	Biosynthesis of the Î²â€Lactone Proteasome Inhibitors Belactosin and Cystargolide. Angewandte Chemie - International Edition, 2017, 56, 6665-6668.	7.2	35
118	Combinatorial Biosynthesis of (+)-Daurichromenic Acid and Its Halogenated Analogue. Organic Letters, 2017, 19, 3183-3186.	2.4	24
119	Identification of Pyridinium with Three Indole Moieties as an Antimicrobial Agent. Journal of Natural Products, 2017, 80, 1205-1209.	1.5	15
120	3,5-Dimethylorsellinic Acid Derived Meroterpenoids from Penicillium chrysogenum MT-12, an Endophytic Fungus Isolated from Huperzia serrata. Journal of Natural Products, 2017, 80, 2699-2707.	1.5	48
121	Labdane diterpenoids from Curcuma amada rhizomes collected in Myanmar and their antiproliferative activities. FÃ¬toterapÃ¬Ã¢, 2017, 122, 34-39.	1.1	20
122	Identification of Chimeric Î±Î²Î³ Diterpene Synthases Possessing both Typeâ€…II Terpene Cyclase and Prenyltransferase Activities. ChemBioChem, 2017, 18, 2104-2109.	1.3	15
123	Mycolic Acid Containing Bacterium Stimulates Tandem Cyclization of Polyene Macrolactam in a Lake Sediment Derived Rare Actinomycete. Organic Letters, 2017, 19, 4992-4995.	2.4	42
124	Mechanistic Characterization of Two Chimeric Sesterterpene Synthases from Penicillium. Chemistry - A European Journal, 2017, 23, 10053-10057.	1.7	64
125	Molecular basis for the unusual ring reconstruction in fungal meroterpenoid biogenesis. Nature Chemical Biology, 2017, 13, 1066-1073.	3.9	33
126	Frontispiz: Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie, 2017, 129, .	1.6	0

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127	Biosynthesis of helvolic acid and identification of an unusual C-4-demethylation process distinct from sterol biosynthesis. Nature Communications, 2017, 8, 1644.	5.8	67
128	Identification and Characterization of Daurichromenic Acid Synthase Active in Anti-HIV Biosynthesis. Plant Physiology, 2017, 174, 2213-2230.	2.3	25
129	Naturally occurring Vpr inhibitors from medicinal plants of Myanmar. Journal of Natural Medicines, 2017, 71, 579-589.	1.1	23
130	Warhead biosynthesis and the origin of structural diversity in hydroxamate metalloproteinase inhibitors. Nature Communications, 2017, 8, 1965.	5.8	32
131	Posttranslational isoprenylation of tryptophan in bacteria. Beilstein Journal of Organic Chemistry, 2017, 13, 338-346.	1.3	12
132	Metagenomic Analysis of the Sponge Discodermia Reveals the Production of the Cyanobacterial Natural Product Kasumigamide by â€˜Entotheonellaâ€™. PLoS ONE, 2016, 11, e0164468.	1.1	36
133	Effective Production of Aromatic Polyketides in Streptomyces using a Combined-Culture Method. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	2
134	An Unusual Chimeric Diterpene Synthase from Emericella variecolor and Its Functional Conversion into a Sesterterpene Synthase by Domain Swapping. Angewandte Chemie, 2016, 128, 1690-1693.	1.6	37
135	An Unusual Chimeric Diterpene Synthase from Emericella variecolor and Its Functional Conversion into a Sesterterpene Synthase by Domain Swapping. Angewandte Chemie - International Edition, 2016, 55, 1658-1661.	7.2	106
136	Epoxomicin and Eponemycin Biosynthesis Involves gemâ€Dimethylation and an Acylâ€CoA Dehydrogenaseâ€Like Enzyme. ChemBioChem, 2016, 17, 792-798.	1.3	18
137	Structural Diversification of Lyngbyatoxinâ€…A by Hostâ€Dependent Heterologous Expression of the tleABC Biosynthetic Gene Cluster. ChemBioChem, 2016, 17, 1407-1411.	1.3	13
138	Astellifadiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. Angewandte Chemie - International Edition, 2016, 55, 5785-5788.	7.2	138
139	Structural basis for olivetolic acid formation by a polyketide cyclase from Cannabis sativa. FEBS Journal, 2016, 283, 1088-1106.	2.2	33
140	Quassinoids: Viral protein R inhibitors from Picrasma javanica bark collected in Myanmar for HIV infection. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4620-4624.	1.0	24
141	Discovery of Key Dioxygenases that Diverged the Paraherquonin and Acetoxydehydroaustin Pathways in Penicillium brasilianum. Journal of the American Chemical Society, 2016, 138, 12671-12677.	6.6	90
142	Engineering of Candida glabrata Ketoreductase 1 for Asymmetric Reduction of Î±-Halo Ketones. ACS Catalysis, 2016, 6, 6135-6140.	5.5	54
143	Insight into the aroma profile of Bulgarian tobacco absolute oil. Industrial Crops and Products, 2016, 94, 226-232.	2.5	15
144	Sulfoureido Lipopeptides from the Marine Sponge Discodermia kiiensis. Journal of Natural Products, 2016, 79, 2418-2422.	1.5	8

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145	Stereospecific prenylation of tryptophan by a cyanobacterial post-translational modification enzyme. Organic and Biomolecular Chemistry, 2016, 14, 9639-9644.	1.5	23
146	Genome-Based Discovery of an Unprecedented Cyclization Mode in Fungal Sesterterpenoid Biosynthesis. Journal of the American Chemical Society, 2016, 138, 10011-10018.	6.6	105
147	Structural Insight into the Enzymatic Formation of Bacterial Stilbene. Cell Chemical Biology, 2016, 23, 1468-1479.	2.5	26
148	Manipulation of prenylation reactions by structure-based engineering of bacterial indolactam prenyltransferases. Nature Communications, 2016, 7, 10849.	5.8	51
149	Biosynthesis of LLâ€Z1272Î²: Discovery of a New Member of NRPSâ€like Enzymes for Arylâ€Aldehyde Formation. ChemBioChem, 2016, 17, 904-907.	1.3	59
150	Astellifadiene: Structure Determination by NMR Spectroscopy and Crystalline Sponge Method, and Elucidation of its Biosynthesis. Angewandte Chemie, 2016, 128, 5879-5882.	1.6	46
151	Cytochrome P450 for Citreohybridonol Synthesis: Oxidative Derivatization of the Andrastin Scaffold. Organic Letters, 2016, 18, 296-299.	2.4	31
152	Picrajavanicins Hâ€“M, new quassinoids from Picrasma javanica collected in Myanmar and their antiproliferative activities. Tetrahedron, 2016, 72, 746-752.	1.0	20
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