

Michael D Burkart

List of Publications by Year in descending order

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148
papers

5,799
citations

87843

38
h-index

91828

69
g-index

160
all docs

160
docs citations

160
times ranked

6438
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing crosslinkers specific for epimerization domain in NRPS initiation modules to evaluate mechanism. RSC Chemical Biology, 2022, 3, 312-319.	2.0	4
2	Enzymology of standalone elongating ketosynthases. Chemical Science, 2022, 13, 4225-4238.	3.7	5
3	Modulation of RNA splicing associated with Wnt signaling pathway using FD-895 and pladienolide B. Aging, 2022, 14, 2081-2100.	1.4	3
4	Control of Unsaturation in <i>De Novo</i> Fatty Acid Biosynthesis by FabA. Biochemistry, 2022, 61, 608-615.	1.2	2
5	Protein-protein interface analysis of the non-ribosomal peptide synthetase peptidyl carrier protein and enzymatic domains. Synthetic and Systems Biotechnology, 2022, 7, 677-688.	1.8	16
6	Chemoenzymatic Isolation and Characterization of High Purity Mammalian Melanin. ChemBioChem, 2022, 23, e202200021.	1.3	0
7	Laboratory Ozonolysis Using an Integrated Batchâ€“DIY Flow System for Renewable Material Production. ACS Omega, 2022, 7, 15350-15358.	1.6	6
8	Enzyme-Directed Functionalization of Designed, Two-Dimensional Protein Lattices. Biochemistry, 2021, 60, 1050-1062.	1.2	8
9	Structurally Colored Inks from Synthetic Melanin-Based Crosslinked Supraparticles. , 2021, 3, 50-55.		11
10	Screening and characterization of polyhydroxyalkanoate granules, and phylogenetic analysis of polyhydroxyalkanoate synthase gene <i>PhaC</i> in cyanobacteria. Journal of Phycology, 2021, 57, 754-765.	1.0	6
11	Traceless Staudinger ligation enabled parallel synthesis of proteolysis targeting chimera linker variants. Chemical Communications, 2021, 57, 1026-1029.	2.2	17
12	Proteinâ€“protein interaction based substrate control in the <i>E. coli</i> octanoic acid transferase, LipB. RSC Chemical Biology, 2021, 2, 1466-1473.	2.0	6
13	Unraveling the Structure and Function of Melanin through Synthesis. Journal of the American Chemical Society, 2021, 143, 2622-2637.	6.6	174
14	Elucidation of transient protein-protein interactions within carrier protein-dependent biosynthesis. Communications Biology, 2021, 4, 340.	2.0	23
15	Peroxidase-Like Reactivity at Iron-Chelation Sites in a Mesoporous Synthetic Melanin. CCS Chemistry, 2021, 3, 1483-1490.	4.6	2
16	Renewable Polyurethanes from Sustainable Biological Precursors. Biomacromolecules, 2021, 22, 1770-1794.	2.6	65
17	Decoding allosteric regulation by the acyl carrier protein. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
18	In silico identification and in vitro evaluation of a proteinâ€“protein interaction inhibitor of Escherichia coli fatty acid biosynthesis. Chemical Biology and Drug Design, 2021, 98, 94-101.	1.5	0

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19	Structure and Mechanistic Analyses of the Gating Mechanism of Elongating Ketosynthases. <i>ACS Catalysis</i> , 2021, 11, 6787-6799.	5.5	12
20	Synthase-Selective Exploration of a Tunicate Microbiome by Activity-Guided Single-Cell Genomics. <i>ACS Chemical Biology</i> , 2021, 16, 813-819.	1.6	4
21	Chemoenzymatic Generation of Phospholipid Membranes Mediated by Type I Fatty Acid Synthase. <i>Journal of the American Chemical Society</i> , 2021, 143, 8533-8537.	6.6	13
22	Annual productivity and lipid composition of native microalgae (Chlorophyta) at a pilot production facility in Southern California. <i>Algal Research</i> , 2021, 56, 102307.	2.4	5
23	Cultivable halotolerant ice-nucleating bacteria and fungi in coastal precipitation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9031-9045.	1.9	6
24	Unraveling the Role of Linker Design in Proteolysis Targeting Chimeras. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8042-8052.	2.9	87
25	Deregulation of Splicing in Pediatric Acute Myeloid Stem and Progenitor Cells. <i>Blood</i> , 2021, 138, 2227-2227.	0.6	0
26	ADAR1 Splicing Modulation As a Mechanism to Eradicate Immunologically Silent Leukemia Stem Cells. <i>Blood</i> , 2021, 138, 3321-3321.	0.6	0
27	Isolation and Characterization of Allomelanin from Pathogenic Black Knot Fungus—a Sustainable Source of Melanin. <i>ACS Omega</i> , 2021, 6, 35514-35522.	1.6	14
28	Type II non-ribosomal peptide synthetase proteins: structure, mechanism, and protein-protein interactions. <i>Natural Product Reports</i> , 2020, 37, 355-379.	5.2	50
29	Dissecting modular synthases through inhibition: A complementary chemical and genetic approach. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126820.	1.0	5
30	Chemoenzymatic elaboration of the Raper-Mason pathway unravels the structural diversity within eumelanin pigments. <i>Chemical Science</i> , 2020, 11, 7836-7841.	3.7	17
31	Rapid biodegradation of renewable polyurethane foams with identification of associated microorganisms and decomposition products. <i>Bioresource Technology Reports</i> , 2020, 11, 100513.	1.5	37
32	Bioinspired Chemoenzymatic Route to Artificial Melanin for Hair Pigmentation. <i>Chemistry of Materials</i> , 2020, 32, 9201-9210.	3.2	20
33	Activity Mapping the Acyl Carrier Protein: Elongating Ketosynthase Interaction in Fatty Acid Biosynthesis. <i>Biochemistry</i> , 2020, 59, 3626-3638.	1.2	13
34	Interfacial plasticity facilitates high reaction rate of <i>E. coli</i> FAS malonyl-CoA:ACP transacylase, FabD. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24224-24233.	3.3	31
35	Structural basis for selectivity in a highly reducing type II polyketide synthase. <i>Nature Chemical Biology</i> , 2020, 16, 776-782.	3.9	41
36	Flexible polyurethanes, renewable fuels, and flavorings from a microalgae oil waste stream. <i>Green Chemistry</i> , 2020, 22, 3088-3094.	4.6	37

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37	Preparation of Mono- and Diisocyanates in Flow from Renewable Carboxylic Acids. <i>Organic Process Research and Development</i> , 2020, 24, 2342-2346.	1.3	19
38	Quantifying protein-protein interactions of the acyl carrier protein with solvatochromic probes. <i>Methods in Enzymology</i> , 2020, 638, 321-340.	0.4	6
39	Selenomelanin: An Abiotic Selenium Analogue of Pheomelanin. <i>Journal of the American Chemical Society</i> , 2020, 142, 12802-12810.	6.6	34
40	Splice Modulation Synergizes Cell Cycle Inhibition. <i>ACS Chemical Biology</i> , 2020, 15, 669-674.	1.6	3
41	Gating mechanism of elongating $\hat{1}^2$ -ketoacyl-ACP synthases. <i>Nature Communications</i> , 2020, 11, 1727.	5.8	44
42	Dynamic visualization of type II peptidyl carrier protein recognition in pyoluteorin biosynthesis. <i>RSC Chemical Biology</i> , 2020, 1, 8-12.	2.0	17
43	Structural Basis of Acyl-Carrier Protein Interactions in Fatty Acid and Polyketide Biosynthesis. , 2020, , 61-122.		14
44	Scalable Synthesis of 17S-FD-895 Expands the Structural Understanding of Splice Modulatory Activity. <i>Cell Reports Physical Science</i> , 2020, 1, 100277.	2.8	6
45	Selective Targeting of Alternative Splicing Dereglulation in Pediatric Acute Myeloid Stem and Progenitor Cells. <i>Blood</i> , 2020, 136, 8-8.	0.6	1
46	Shifting the Hydrolysis Equilibrium of Substrate Loaded Acyl Carrier Proteins. <i>Biochemistry</i> , 2019, 58, 3557-3560.	1.2	7
47	Antitumor Activity of 1,18-Octadecanedioic Acid-Paclitaxel Complexed with Human Serum Albumin. <i>Journal of the American Chemical Society</i> , 2019, 141, 11765-11769.	6.6	61
48	Opportunities and Challenges for Catalysis in Carbon Dioxide Utilization. <i>ACS Catalysis</i> , 2019, 9, 7937-7956.	5.5	271
49	A Single Tool to Monitor Multiple Protein-Protein Interactions of the Escherichia coli Acyl Carrier Protein. <i>ACS Infectious Diseases</i> , 2019, 5, 1518-1523.	1.8	12
50	Tuning the ultrasonic and photoacoustic response of polydopamine-stabilized perfluorocarbon contrast agents. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4833-4842.	2.9	12
51	Modifying the Thioester Linkage Affects the Structure of the Acyl Carrier Protein. <i>Angewandte Chemie</i> , 2019, 131, 11004-11008.	1.6	3
52	Molecular basis for interactions between an acyl carrier protein and a ketosynthase. <i>Nature Chemical Biology</i> , 2019, 15, 669-671.	3.9	41
53	Modifying the Thioester Linkage Affects the Structure of the Acyl Carrier Protein. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10888-10892.	7.2	14
54	Active site labeling of fatty acid and polyketide acyl-carrier protein transacylases. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4720-4724.	1.5	4

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55	Structural and dynamical rationale for fatty acid unsaturation in <i>Escherichia coli</i> . Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6775-6783.	3.3	41
56	Charting the Complexity of the Marine Microbiome through Single-Cell Genomics. Cell, 2019, 179, 1623-1635.e11.	13.5	158
57	Role of MyD88 in IL-1 β and Ethanol Modulation of GABAergic Transmission in the Central Amygdala. Brain Sciences, 2019, 9, 361.	1.1	16
58	Tailoring chemoenzymatic oxidation via in situ peracids. Organic and Biomolecular Chemistry, 2019, 17, 9418-9424.	1.5	9
59	Mechanistic Probes for the Epimerization Domain of Nonribosomal Peptide Synthetases. ChemBioChem, 2019, 20, 147-152.	1.3	12
60	A coupled in vitro/in vivo approach for engineering a heterologous type III PKS to enhance polyketide biosynthesis in <i>Saccharomyces cerevisiae</i> . Biotechnology and Bioengineering, 2018, 115, 1394-1402.	1.7	12
61	Matching Protein Interfaces for Improved Medium-Chain Fatty Acid Production. ACS Synthetic Biology, 2018, 7, 1179-1187.	1.9	31
62	Discovering de novo peptide substrates for enzymes using machine learning. Nature Communications, 2018, 9, 5253.	5.8	55
63	Daedal Facets of Splice Modulator Optimization. ACS Medicinal Chemistry Letters, 2018, 9, 1070-1072.	1.3	2
64	Trapping the Complex Molecular Machinery of Polyketide and Fatty Acid Synthases with Tunable Silylcyanohydrin Crosslinkers. Angewandte Chemie, 2018, 130, 17255-17259.	1.6	3
65	Trapping the Complex Molecular Machinery of Polyketide and Fatty Acid Synthases with Tunable Silylcyanohydrin Crosslinkers. Angewandte Chemie - International Edition, 2018, 57, 17009-17013.	7.2	12
66	Taxon-specific aerosolization of bacteria and viruses in an experimental ocean-atmosphere mesocosm. Nature Communications, 2018, 9, 2017.	5.8	103
67	Type II fatty acid and polyketide synthases: deciphering protein-protein and protein-substrate interactions. Natural Product Reports, 2018, 35, 1029-1045.	5.2	73
68	Development of a cyanobacterial heterologous polyketide production platform. Metabolic Engineering, 2018, 49, 94-104.	3.6	22
69	Utilizing Mechanistic Cross-Linking Technology To Study Protein-Protein Interactions: An Experiment Designed for an Undergraduate Biochemistry Lab. Journal of Chemical Education, 2017, 94, 375-379.	1.1	5
70	Polyketide mimetics yield structural and mechanistic insights into product template domain function in nonreducing polyketide synthases. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4142-E4148.	3.3	18
71	Evaluation of phenotype stability and ecological risk of a genetically engineered alga in open pond production. Algal Research, 2017, 24, 378-386.	2.4	56
72	Das Spliceosom als Angriffspunkt für Pharmaka. Angewandte Chemie, 2017, 129, 12218-12230.	1.6	0

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73	A Challenging Pie to Splice: Drugging the Spliceosome. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12052-12063.	7.2	32
74	Manipulating Protein-Protein Interactions in Nonribosomal Peptide Synthetase Type II Peptidyl Carrier Proteins. <i>Biochemistry</i> , 2017, 56, 5269-5273.	1.2	16
75	Recent progress and future challenges in algal biofuel production. <i>F1000Research</i> , 2016, 5, 2434.	0.8	14
76	Fluorescent Mechanism-Based Probe for Aerobic Flavin-Dependent Enzyme Activity. <i>ChemBioChem</i> , 2016, 17, 1598-1601.	1.3	10
77	Data from mass spectrometry, NMR spectra, GC-MS of fatty acid esters produced by <i>Lasiodiplodia theobromae</i> . <i>Data in Brief</i> , 2016, 8, 31-39.	0.5	5
78	A Carbohydrate-Derived Splice Modulator. <i>Journal of the American Chemical Society</i> , 2016, 138, 5063-5068.	6.6	10
79	Unveiling the functional diversity of the alpha/beta hydrolase superfamily in the plant kingdom. <i>Current Opinion in Structural Biology</i> , 2016, 41, 233-246.	2.6	135
80	Structural and Biochemical Analysis of Protein-Protein Interactions Between the Acyl-Carrier Protein and Product Template Domain. <i>Angewandte Chemie</i> , 2016, 128, 13199-13203.	1.6	3
81	Selectivity in Small Molecule Splicing Modulation. <i>ACS Chemical Biology</i> , 2016, 11, 2716-2723.	1.6	19
82	RNA Splicing Modulation Selectively Impairs Leukemia Stem Cell Maintenance in Secondary Human AML. <i>Cell Stem Cell</i> , 2016, 19, 599-612.	5.2	97
83	Structural and Biochemical Analysis of Protein-Protein Interactions Between the Acyl-Carrier Protein and Product Template Domain. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13005-13009.	7.2	16
84	A Substrate Mimic Allows High-Throughput Assay of the FabA Protein and Consequently the Identification of a Novel Inhibitor of <i>Pseudomonas aeruginosa</i> FabA. <i>Journal of Molecular Biology</i> , 2016, 428, 108-120.	2.0	8
85	Biosynthetic potential of sesquiterpene synthases: product profiles of Egyptian Henbane prenaspirodiene synthase and related mutants. <i>Journal of Antibiotics</i> , 2016, 69, 524-533.	1.0	19
86	Phosphopantetheinylation in the green microalgae <i>Chlamydomonas reinhardtii</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 3259-3267.	1.5	4
87	Traffic Control in Modular Polyketide Synthases. <i>ACS Central Science</i> , 2016, 2, 9-11.	5.3	1
88	A Platform to Enable the Pharmacological Profiling of Small Molecules in Gel-Based Electrophoretic Mobility Shift Assays. <i>Journal of Biomolecular Screening</i> , 2016, 21, 1125-1131.	2.6	3
89	An unusual intramolecular trans-amidation. <i>Tetrahedron</i> , 2016, 72, 3605-3608.	1.0	4
90	Fatty acid esters produced by <i>Lasiodiplodia theobromae</i> function as growth regulators in tobacco seedlings. <i>Biochemical and Biophysical Research Communications</i> , 2016, 472, 339-345.	1.0	18

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91	Trapping of the Enoyl-Acyl Carrier Protein Reductaseâ€“Acyl Carrier Protein Interaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 3962-3965.	6.6	23
92	Bacteriaâ€“driven production of alkyl nitrates in seawater. <i>Geophysical Research Letters</i> , 2015, 42, 597-604.	1.5	8
93	Cryo-Transmission Electron Microscopy of Sea Spray Aerosols. <i>Microscopy and Microanalysis</i> , 2015, 21, 633-634.	0.2	0
94	Using Modern Tools To Probe the Structureâ€“Function Relationship of Fatty Acid Synthases. <i>ChemBioChem</i> , 2015, 16, 528-547.	1.3	60
95	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. <i>Chemical Communications</i> , 2015, 51, 2262-2265.	2.2	30
96	Azithromycin Synergizes with Cationic Antimicrobial Peptides to Exert Bactericidal and Therapeutic Activity Against Highly Multidrug-Resistant Gram-Negative Bacterial Pathogens. <i>EBioMedicine</i> , 2015, 2, 690-698.	2.7	217
97	Probing the Substrate Specificity and Protein-Protein Interactions of the E.Â“coli Fatty Acid Dehydratase, FabA. <i>Chemistry and Biology</i> , 2015, 22, 1453-1460.	6.2	26
98	Targeting the spliceosome in chronic lymphocytic leukemia with the macrolides FD-895 and pladienolide-B. <i>Haematologica</i> , 2015, 100, 945-954.	1.7	73
99	Online Analysis of Single Cyanobacteria and Algae Cells under Nitrogen-Limited Conditions Using Aerosol Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8039-8046.	3.2	24
100	Bulk solvent extraction of biomass slurries using a lipid trap. <i>RSC Advances</i> , 2015, 5, 57038-57044.	1.7	2
101	Structure and Substrate Sequestration in the Pyoluteorin Type II Peptidyl Carrier Protein PltL. <i>Journal of the American Chemical Society</i> , 2015, 137, 11546-11549.	6.6	53
102	Fatty acid biosynthesis revisited: structure elucidation and metabolic engineering. <i>Molecular BioSystems</i> , 2015, 11, 38-59.	2.9	158
103	RNA Splicing Modulation Impairs Acute Myeloid Leukemia Stem Cell Maintenance. <i>Blood</i> , 2015, 126, 567-567.	0.6	1
104	Visualizing the Chainâ€“Flipping Mechanism in Fattyâ€“Acid Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14456-14461.	7.2	45
105	Fluorescent techniques for discovery and characterization of phosphopantetheinyl transferase inhibitors. <i>Journal of Antibiotics</i> , 2014, 67, 113-120.	1.0	13
106	Tapping a Bacterial Enzymatic Pathway for the Preparation and Manipulation of Synthetic Nanomaterials. <i>Journal of the American Chemical Society</i> , 2014, 136, 17378-17381.	6.6	10
107	Evolution of acyl-ACP thioesterases and Î²-ketoacyl-ACP synthases revealed by proteinâ€“protein interactions. <i>Journal of Applied Phycology</i> , 2014, 26, 1619-1629.	1.5	21
108	Resin supported acyl carrier protein labeling strategies. <i>RSC Advances</i> , 2014, 4, 9092-9097.	1.7	3

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109	Trapping the dynamic acyl carrier protein in fatty acid biosynthesis. <i>Nature</i> , 2014, 505, 427-431.	13.7	216
110	Modeling Linear and Cyclic PKS Intermediates through Atom Replacement. <i>Journal of the American Chemical Society</i> , 2014, 136, 16792-16799.	6.6	27
111	The phosphopantetheinyl transferases: catalysis of a post-translational modification crucial for life. <i>Natural Product Reports</i> , 2014, 31, 61-108.	5.2	283
112	Versatility of Acyl-Acyl Carrier Protein Synthetases. <i>Chemistry and Biology</i> , 2014, 21, 1293-1299.	6.2	47
113	Chemoenzymatic exchange of phosphopantetheine on protein and peptide. <i>Chemical Science</i> , 2014, 5, 1179-1186.	3.7	15
114	System and method for research-scale outdoor production of microalgae and cyanobacteria. <i>Bioresource Technology</i> , 2014, 166, 273-281.	4.8	57
115	Stabilized Cyclopropane Analogs of the Splicing Inhibitor FD-895. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6576-6582.	2.9	28
116	The Determinants of Activity and Specificity in Actinorhodin Type II Polyketide Ketoreductase. <i>Chemistry and Biology</i> , 2013, 20, 1225-1234.	6.2	35
117	Sulfonyl 3-Alkynyl Pantetheinamides as Mechanism-Based Cross-Linkers of Acyl Carrier Protein Dehydratase. <i>Journal of the American Chemical Society</i> , 2013, 135, 8846-8849.	6.6	38
118	Educating and developing workers for the green economy. <i>Biofuels</i> , 2012, 3, 119-121.	1.4	2
119	Dehydratase-Specific Probes for Fatty Acid and Polyketide Synthases. <i>Journal of the American Chemical Society</i> , 2012, 134, 769-772.	6.6	43
120	Explorations of catalytic domains in non-ribosomal peptide synthetase enzymology. <i>Natural Product Reports</i> , 2012, 29, 1074.	5.2	255
121	Structure of FD-895 Revealed through Total Synthesis. <i>Organic Letters</i> , 2012, 14, 5396-5399.	2.4	43
122	Reversible labeling of native and fusion-protein motifs. <i>Nature Methods</i> , 2012, 9, 981-984.	9.0	39
123	Releasing Stored Solar Energy within Pond Scum: Biodiesel from Algal Lipids. <i>Journal of Chemical Education</i> , 2012, 89, 239-242.	1.1	29
124	Manipulating Fatty Acid Biosynthesis in Microalgae for Biofuel through Protein-Protein Interactions. <i>PLoS ONE</i> , 2012, 7, e42949.	1.1	107
125	Activity-guided engineering of natural product carrier proteins. <i>Molecular BioSystems</i> , 2011, 7, 365-370.	2.9	11
126	Binding and α -Modulation of a Polycyclic Substrate Analogue in a Type II Polyketide Acyl Carrier Protein. <i>ACS Chemical Biology</i> , 2011, 6, 413-418.	1.6	27

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127	Proteomic analysis of polyketide and nonribosomal peptide biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 48-56.	2.8	20
128	Mechanism-based crosslinking as a gauge for functional interaction of modular synthases. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1769.	1.5	35
129	An Optimized Immunoaffinity Fluorescent Method for Natural Product Target Elucidation. <i>Journal of Natural Products</i> , 2010, 73, 1659-1666.	1.5	29
130	Metabolic probes for imaging endosymbiotic bacteria within toxic dinoflagellates. <i>Chemical Communications</i> , 2010, 46, 8151.	2.2	8
131	Crosslinking Studies of Protein-Protein Interactions in Nonribosomal Peptide Biosynthesis. <i>Chemistry and Biology</i> , 2009, 16, 372-381.	6.2	42
132	An Orthogonal Active Site Identification System (OASIS) for Proteomic Profiling of Natural Product Biosynthesis. <i>ACS Chemical Biology</i> , 2009, 4, 948-957.	1.6	54
133	Chapter 9 Synthetic Probes for Polyketide and Nonribosomal Peptide Biosynthetic Enzymes. <i>Methods in Enzymology</i> , 2009, 458, 219-254.	0.4	19
134	The chemical biology of modular biosynthetic enzymes. <i>Chemical Society Reviews</i> , 2009, 38, 2012.	18.7	123
135	Probing the Compatibility of Type II Ketosynthaseâ€œCarrier Protein Partners. <i>ChemBioChem</i> , 2008, 9, 2096-2103.	1.3	40
136	An orthogonal purification strategy for isolating crosslinked domains of modular synthases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3039-3042.	1.0	26
137	Fluorescent Profiling of Modular Biosynthetic Enzymes by Complementary Metabolic and Activity Based Probes. <i>Journal of the American Chemical Society</i> , 2008, 130, 5443-5445.	6.6	30
138	The ubiquitous carrier proteinâ€œa window to metabolite biosynthesis. <i>Natural Product Reports</i> , 2007, 24, 750.	5.2	105
139	A synthetic entry to pladienolide B and FD-895. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5159-5164.	1.0	39
140	Site-specific protein modification: advances and applications. <i>Current Opinion in Chemical Biology</i> , 2007, 11, 12-19.	2.8	104
141	Mechanism-Based Protein Cross-Linking Probes To Investigate Carrier Protein-Mediated Biosynthesis. <i>ACS Chemical Biology</i> , 2006, 1, 687-691.	1.6	86
142	One-pot chemo-enzymatic synthesis of reporter-modified proteins. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 44-46.	1.5	119
143	In Vivo Reporter Labeling of Proteins via Metabolic Delivery of Coenzyme A Analogues. <i>Journal of the American Chemical Society</i> , 2005, 127, 11234-11235.	6.6	98
144	Manipulation of Carrier Proteins in Antibiotic Biosynthesis. <i>Chemistry and Biology</i> , 2004, 11, 195-201.	6.2	138

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145	Modular Synthesis of Pantetheine and Phosphopantetheine. <i>Organic Letters</i> , 2004, 6, 4801-4803.	2.4	34
146	Metabolic engineering—a genetic toolbox for small molecule organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1-4.	1.5	27
147	Carrier Protein Recognition in Siderophore-Producing Nonribosomal Peptide Synthetases. <i>Biochemistry</i> , 2002, 41, 8429-8437.	1.2	24
148	Conversion of L-Proline to Pyrrolyl-2-Carboxyl-S-PCP during Undecylprodigiosin and Pyoluteorin Biosynthesis. <i>Chemistry and Biology</i> , 2002, 9, 171-184.	6.2	147