

# 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	The phosphopantetheinyl transferases: catalysis of a post-translational modification crucial for life. <i>Natural Product Reports</i> , 2014, 31, 61-108.	5.2	283
2	Opportunities and Challenges for Catalysis in Carbon Dioxide Utilization. <i>ACS Catalysis</i> , 2019, 9, 7937-7956.	5.5	271
3	Explorations of catalytic domains in non-ribosomal peptide synthetase enzymology. <i>Natural Product Reports</i> , 2012, 29, 1074.	5.2	255
4	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
5	Trapping the dynamic acyl carrier protein in fatty acid biosynthesis. <i>Nature</i> , 2014, 505, 427-431.	13.7	216
6	Unraveling the Structure and Function of Melanin through Synthesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 2622-2637.	6.6	174
7	Fatty acid biosynthesis revisited: structure elucidation and metabolic engineering. <i>Molecular BioSystems</i> , 2015, 11, 38-59.	2.9	158
8	Charting the Complexity of the Marine Microbiome through Single-Cell Genomics. <i>Cell</i> , 2019, 179, 1623-1635.e11.	13.5	158
9	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
10	Manipulation of Carrier Proteins in Antibiotic Biosynthesis. <i>Chemistry and Biology</i> , 2004, 11, 195-201.	6.2	138
11	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
12	The chemical biology of modular biosynthetic enzymes. <i>Chemical Society Reviews</i> , 2009, 38, 2012.	18.7	123
13	One-pot chemo-enzymatic synthesis of reporter-modified proteins. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 44-46.	1.5	119
14	Manipulating Fatty Acid Biosynthesis in Microalgae for Biofuel through Protein-Protein Interactions. <i>PLoS ONE</i> , 2012, 7, e42949.	1.1	107
15	The ubiquitous carrier proteinâ€”a window to metabolite biosynthesis. <i>Natural Product Reports</i> , 2007, 24, 750.	5.2	105
16	Site-specific protein modification: advances and applications. <i>Current Opinion in Chemical Biology</i> , 2007, 11, 12-19.	2.8	104
17	Taxon-specific aerosolization of bacteria and viruses in an experimental ocean-atmosphere mesocosm. <i>Nature Communications</i> , 2018, 9, 2017.	5.8	103
18	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

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19	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
20	Unraveling the Role of Linker Design in Proteolysis Targeting Chimeras. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8042-8052.	2.9	87
21	Mechanism-Based Protein Cross-Linking Probes To Investigate Carrier Protein-Mediated Biosynthesis. <i>ACS Chemical Biology</i> , 2006, 1, 687-691.	1.6	86
22	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
23	Type II fatty acid and polyketide synthases: deciphering protein-protein and protein-substrate interactions. <i>Natural Product Reports</i> , 2018, 35, 1029-1045.	5.2	73
24	Renewable Polyurethanes from Sustainable Biological Precursors. <i>Biomacromolecules</i> , 2021, 22, 1770-1794.	2.6	65
25	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
26	Using Modern Tools To Probe the Structure-Function Relationship of Fatty Acid Synthases. <i>ChemBioChem</i> , 2015, 16, 528-547.	1.3	60
27	System and method for research-scale outdoor production of microalgae and cyanobacteria. <i>Bioresource Technology</i> , 2014, 166, 273-281.	4.8	57
28	Evaluation of phenotype stability and ecological risk of a genetically engineered alga in open pond production. <i>Algal Research</i> , 2017, 24, 378-386.	2.4	56
29	Discovering de novo peptide substrates for enzymes using machine learning. <i>Nature Communications</i> , 2018, 9, 5253.	5.8	55
30	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
31	Structure and Substrate Sequestration in the Pyoluteorin Type II Peptidyl Carrier Protein PtlL. <i>Journal of the American Chemical Society</i> , 2015, 137, 11546-11549.	6.6	53
32	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
33	Versatility of Acyl-Acyl Carrier Protein Synthetases. <i>Chemistry and Biology</i> , 2014, 21, 1293-1299.	6.2	47
34	Visualizing the Chain-Flipping Mechanism in Fatty Acid Biosynthesis. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14456-14461.	7.2	45
35	Gating mechanism of elongating $\beta^2$ -ketoacyl-ACP synthases. <i>Nature Communications</i> , 2020, 11, 1727.	5.8	44
36	Dehydratase-Specific Probes for Fatty Acid and Polyketide Synthases. <i>Journal of the American Chemical Society</i> , 2012, 134, 769-772.	6.6	43

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37	Structure of FD-895 Revealed through Total Synthesis. <i>Organic Letters</i> , 2012, 14, 5396-5399.	2.4	43
38	Crosslinking Studies of Protein-Protein Interactions in Nonribosomal Peptide Biosynthesis. <i>Chemistry and Biology</i> , 2009, 16, 372-381.	6.2	42
39	Molecular basis for interactions between an acyl carrier protein and a ketosynthase. <i>Nature Chemical Biology</i> , 2019, 15, 669-671.	3.9	41
40	Structural and dynamical rationale for fatty acid unsaturation in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6775-6783.	3.3	41
41	Structural basis for selectivity in a highly reducing type II polyketide synthase. <i>Nature Chemical Biology</i> , 2020, 16, 776-782.	3.9	41
42	Probing the Compatibility of Type II Ketosynthase-Carrier Protein Partners. <i>ChemBioChem</i> , 2008, 9, 2096-2103.	1.3	40
43	A synthetic entry to pladienolide B and FD-895. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5159-5164.	1.0	39
44	Reversible labeling of native and fusion-protein motifs. <i>Nature Methods</i> , 2012, 9, 981-984.	9.0	39
45	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
46	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
47	Flexible polyurethanes, renewable fuels, and flavorings from a microalgae oil waste stream. <i>Green Chemistry</i> , 2020, 22, 3088-3094.	4.6	37
48	Mechanism-based crosslinking as a gauge for functional interaction of modular synthases. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1769.	1.5	35
49	The Determinants of Activity and Specificity in Actinorhodin Type II Polyketide Ketoreductase. <i>Chemistry and Biology</i> , 2013, 20, 1225-1234.	6.2	35
50	Modular Synthesis of Pantetheine and Phosphopantetheine. <i>Organic Letters</i> , 2004, 6, 4801-4803.	2.4	34
51	Selenomelanin: An Abiotic Selenium Analogue of Pheomelanin. <i>Journal of the American Chemical Society</i> , 2020, 142, 12802-12810.	6.6	34
52	A Challenging Pie to Splice: Drugging the Spliceosome. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12052-12063.	7.2	32
53	Matching Protein Interfaces for Improved Medium-Chain Fatty Acid Production. <i>ACS Synthetic Biology</i> , 2018, 7, 1179-1187.	1.9	31
54	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

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55	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
56	Active site-directed proteomic probes for adenylation domains in nonribosomal peptide synthetases. <i>Chemical Communications</i> , 2015, 51, 2262-2265.	2.2	30
57	An Optimized Immunoaffinity Fluorescent Method for Natural Product Target Elucidation. <i>Journal of Natural Products</i> , 2010, 73, 1659-1666.	1.5	29
58	Releasing Stored Solar Energy within Pond Scum: Biodiesel from Algal Lipids. <i>Journal of Chemical Education</i> , 2012, 89, 239-242.	1.1	29
59	Stabilized Cyclopropane Analogs of the Splicing Inhibitor FD-895. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6576-6582.	2.9	28
60	Metabolic engineering—a genetic toolbox for small molecule organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1-4.	1.5	27
61	Binding and $pK_a$ 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
62	Modeling Linear and Cyclic PKS Intermediates through Atom Replacement. <i>Journal of the American Chemical Society</i> , 2014, 136, 16792-16799.	6.6	27
63	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
64	Probing the Substrate Specificity and Protein-Protein Interactions of the E. <i>Coli</i> Fatty Acid Dehydratase, FabA. <i>Chemistry and Biology</i> , 2015, 22, 1453-1460.	6.2	26
65	Carrier Protein Recognition in Siderophore-Producing Nonribosomal Peptide Synthetases. <i>Biochemistry</i> , 2002, 41, 8429-8437.	1.2	24
66	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
67	Trapping of the Enoyl-Acyl Carrier Protein Reductase—Acyl Carrier Protein Interaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 3962-3965.	6.6	23
68	Elucidation of transient protein-protein interactions within carrier protein-dependent biosynthesis. <i>Communications Biology</i> , 2021, 4, 340.	2.0	23
69	Development of a cyanobacterial heterologous polyketide production platform. <i>Metabolic Engineering</i> , 2018, 49, 94-104.	3.6	22
70	Evolution of acyl-ACP thioesterases and $\beta^2$ -ketoacyl-ACP synthases revealed by protein—protein interactions. <i>Journal of Applied Phycology</i> , 2014, 26, 1619-1629.	1.5	21
71	Proteomic analysis of polyketide and nonribosomal peptide biosynthesis. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 48-56.	2.8	20
72	Bioinspired Chemoenzymatic Route to Artificial Melanin for Hair Pigmentation. <i>Chemistry of Materials</i> , 2020, 32, 9201-9210.	3.2	20

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73	Chapter 9 Synthetic Probes for Polyketide and Nonribosomal Peptide Biosynthetic Enzymes. <i>Methods in Enzymology</i> , 2009, 458, 219-254.	0.4	19
74	Selectivity in Small Molecule Splicing Modulation. <i>ACS Chemical Biology</i> , 2016, 11, 2716-2723.	1.6	19
75	Biosynthetic potential of sesquiterpene synthases: product profiles of Egyptian Henbane premnaspirodiene synthase and related mutants. <i>Journal of Antibiotics</i> , 2016, 69, 524-533.	1.0	19
76	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
77	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
78	Polyketide mimetics yield structural and mechanistic insights into product template domain function in nonreducing polyketide synthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4142-E4148.	3.3	18
79	Chemoenzymatic elaboration of the Raperâ€Mason pathway unravels the structural diversity within eumelanin pigments. <i>Chemical Science</i> , 2020, 11, 7836-7841.	3.7	17
80	Dynamic visualization of type II peptidyl carrier protein recognition in pyoluteorin biosynthesis. <i>RSC Chemical Biology</i> , 2020, 1, 8-12.	2.0	17
81	Traceless Staudinger ligation enabled parallel synthesis of proteolysis targeting chimera linker variants. <i>Chemical Communications</i> , 2021, 57, 1026-1029.	2.2	17
82	Structural and Biochemical Analysis of Proteinâ€Protein Interactions Between the Acylâ€Carrier Protein and Product Template Domain. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13005-13009.	7.2	16
83	Manipulating Proteinâ€Protein Interactions in Nonribosomal Peptide Synthetase Type II Peptidyl Carrier Proteins. <i>Biochemistry</i> , 2017, 56, 5269-5273.	1.2	16
84	Role of MyD88 in IL-1Î² and Ethanol Modulation of GABAergic Transmission in the Central Amygdala. <i>Brain Sciences</i> , 2019, 9, 361.	1.1	16
85	Protein-protein interface analysis of the non-ribosomal peptide synthetase peptidyl carrier protein and enzymatic domains. <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 677-688.	1.8	16
86	Chemoenzymatic exchange of phosphopantetheine on protein and peptide. <i>Chemical Science</i> , 2014, 5, 1179-1186.	3.7	15
87	Recent progress and future challenges in algal biofuel production. <i>F1000Research</i> , 2016, 5, 2434.	0.8	14
88	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
89	Decoding allosteric regulation by the acyl carrier protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
90	Structural Basis of Acyl-Carrier Protein Interactions in Fatty Acid and Polyketide Biosynthesis. , 2020, , 61-122.		14

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91	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
92	Fluorescent techniques for discovery and characterization of phosphopantetheinyl transferase inhibitors. <i>Journal of Antibiotics</i> , 2014, 67, 113-120.	1.0	13
93	Activity Mapping the Acyl Carrier Protein: Elongating Ketosynthase Interaction in Fatty Acid Biosynthesis. <i>Biochemistry</i> , 2020, 59, 3626-3638.	1.2	13
94	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
95	A coupled in vitro/in vivo approach for engineering a heterologous type III PKS to enhance polyketide biosynthesis in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2018, 115, 1394-1402.	1.7	12
96	Trapping the Complex Molecular Machinery of Polyketide and Fatty Acid Synthases with Tunable Silylcyanohydrin Crosslinkers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17009-17013.	7.2	12
97	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
98	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
99	Mechanistic Probes for the Epimerization Domain of Nonribosomal Peptide Synthetases. <i>ChemBioChem</i> , 2019, 20, 147-152.	1.3	12
100	Structure and Mechanistic Analyses of the Gating Mechanism of Elongating Ketosynthases. <i>ACS Catalysis</i> , 2021, 11, 6787-6799.	5.5	12
101	Activity-guided engineering of natural product carrier proteins. <i>Molecular BioSystems</i> , 2011, 7, 365-370.	2.9	11
102	Structurally Colored Inks from Synthetic Melanin-Based Crosslinked Supraparticles. , 2021, 3, 50-55.		11
103	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
104	Fluorescent Mechanism-Based Probe for Aerobic Flavin-Dependent Enzyme Activity. <i>ChemBioChem</i> , 2016, 17, 1598-1601.	1.3	10
105	A Carbohydrate-Derived Splice Modulator. <i>Journal of the American Chemical Society</i> , 2016, 138, 5063-5068.	6.6	10
106	Tailoring chemoenzymatic oxidation via in situ peracids. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9418-9424.	1.5	9
107	Metabolic probes for imaging endosymbiotic bacteria within toxic dinoflagellates. <i>Chemical Communications</i> , 2010, 46, 8151.	2.2	8
108	Bacteria-driven production of alkyl nitrates in seawater. <i>Geophysical Research Letters</i> , 2015, 42, 597-604.	1.5	8

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109	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
110	Enzyme-Directed Functionalization of Designed, Two-Dimensional Protein Lattices. <i>Biochemistry</i> , 2021, 60, 1050-1062.	1.2	8
111	Shifting the Hydrolysis Equilibrium of Substrate Loaded Acyl Carrier Proteins. <i>Biochemistry</i> , 2019, 58, 3557-3560.	1.2	7
112	Quantifying protein-protein interactions of the acyl carrier protein with solvatochromic probes. <i>Methods in Enzymology</i> , 2020, 638, 321-340.	0.4	6
113	Screening and characterization of polyhydroxyalkanoate granules, and phylogenetic analysis of polyhydroxyalkanoate synthase gene <i>PhaC</i> in cyanobacteria. <i>Journal of Phycology</i> , 2021, 57, 754-765.	1.0	6
114	Protein-protein interaction based substrate control in the <i>E. coli</i> octanoic acid transferase, LipB. <i>RSC Chemical Biology</i> , 2021, 2, 1466-1473.	2.0	6
115	Cultivable halotolerant ice-nucleating bacteria and fungi in coastal precipitation. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9031-9045.	1.9	6
116	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
117	Laboratory Ozonolysis Using an Integrated Batch-DIY Flow System for Renewable Material Production. <i>ACS Omega</i> , 2022, 7, 15350-15358.	1.6	6
118	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
119	Utilizing Mechanistic Cross-Linking Technology To Study Protein-Protein Interactions: An Experiment Designed for an Undergraduate Biochemistry Lab. <i>Journal of Chemical Education</i> , 2017, 94, 375-379.	1.1	5
120	Dissecting modular synthases through inhibition: A complementary chemical and genetic approach. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126820.	1.0	5
121	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
122	Enzymology of standalone elongating ketosynthases. <i>Chemical Science</i> , 2022, 13, 4225-4238.	3.7	5
123	Phosphopantetheinylation in the green microalgae <i>Chlamydomonas reinhardtii</i> . <i>Journal of Applied Phycology</i> , 2016, 28, 3259-3267.	1.5	4
124	An unusual intramolecular trans-amidation. <i>Tetrahedron</i> , 2016, 72, 3605-3608.	1.0	4
125	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
126	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



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127	Developing crosslinkers specific for epimerization domain in NRPS initiation modules to evaluate mechanism. <i>RSC Chemical Biology</i> , 2022, 3, 312-319.	2.0	4
128	Resin supported acyl carrier protein labeling strategies. <i>RSC Advances</i> , 2014, 4, 9092-9097.	1.7	3
129	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
130	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
131	Trapping the Complex Molecular Machinery of Polyketide and Fatty Acid Synthases with Tunable Silylcyanohydrin Crosslinkers. <i>Angewandte Chemie</i> , 2018, 130, 17255-17259.	1.6	3
132	Modifying the Thioester Linkage Affects the Structure of the Acyl Carrier Protein. <i>Angewandte Chemie</i> , 2019, 131, 11004-11008.	1.6	3
133	Splice Modulation Synergizes Cell Cycle Inhibition. <i>ACS Chemical Biology</i> , 2020, 15, 669-674.	1.6	3
134	Modulation of RNA splicing associated with Wnt signaling pathway using FD-895 and pladienolide B. <i>Aging</i> , 2022, 14, 2081-2100.	1.4	3
135	Educating and developing workers for the green economy. <i>Biofuels</i> , 2012, 3, 119-121.	1.4	2
136	Bulk solvent extraction of biomass slurries using a lipid trap. <i>RSC Advances</i> , 2015, 5, 57038-57044.	1.7	2
137	Daedal Facets of Splice Modulator Optimization. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1070-1072.	1.3	2
138	Peroxidase-Like Reactivity at Iron-Chelation Sites in a Mesoporous Synthetic Melanin. <i>CCS Chemistry</i> , 2021, 3, 1483-1490.	4.6	2
139	Control of Unsaturation in <i>De Novo</i> Fatty Acid Biosynthesis by FabA. <i>Biochemistry</i> , 2022, 61, 608-615.	1.2	2
140	Traffic Control in Modular Polyketide Synthases. <i>ACS Central Science</i> , 2016, 2, 9-11.	5.3	1
141	RNA Splicing Modulation Impairs Acute Myeloid Leukemia Stem Cell Maintenance. <i>Blood</i> , 2015, 126, 567-567.	0.6	1
142	Selective Targeting of Alternative Splicing Deregulation in Pediatric Acute Myeloid Stem and Progenitor Cells. <i>Blood</i> , 2020, 136, 8-8.	0.6	1
143	Cryo-Transmission Electron Microscopy of Sea Spray Aerosols. <i>Microscopy and Microanalysis</i> , 2015, 21, 633-634.	0.2	0
144	Das Spliceosom als Angriffspunkt für Pharmaka. <i>Angewandte Chemie</i> , 2017, 129, 12218-12230.	1.6	0

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145	In silico identification and in vitro evaluation of a protein-protein interaction inhibitor of Escherichia coli fatty acid biosynthesis. <i>Chemical Biology and Drug Design</i> , 2021, 98, 94-101.	1.5	0
146	Deregulation of Splicing in Pediatric Acute Myeloid Stem and Progenitor Cells. <i>Blood</i> , 2021, 138, 2227-2227.	0.6	0
147	ADAR1 Splicing Modulation As a Mechanism to Eradicate Immunologically Silent Leukemia Stem Cells. <i>Blood</i> , 2021, 138, 3321-3321.	0.6	0
148	Chemoenzymatic Isolation and Characterization of High Purity Mammalian Melanin. <i>ChemBioChem</i> , 2022, 23, e202200021.	1.3	0