

Hening Lin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151 papers	10,221 citations	45 h-index	100 g-index
211 ext. papers	12,282 ext. citations	11.3 avg, IF	6.23 L-index

#	Paper	IF	Citations
151	Succinate is an inflammatory signal that induces IL-1 β through HIF-1 α <i>Nature</i> , 2013 , 496, 238-42	50.4	1930
150	Sirt5 is a NAD-dependent protein lysine demalonylase and desuccinylase. <i>Science</i> , 2011 , 334, 806-9	33.3	924
149	Failure of B-cell differentiation in mice lacking the transcription factor EBF. <i>Nature</i> , 1995 , 376, 263-7	50.4	547
148	SIRT6 regulates TNF- β secretion through hydrolysis of long-chain fatty acyl lysine. <i>Nature</i> , 2013 , 496, 110-3	50.4	503
147	Expression of recombinant genes in myocardium in vivo after direct injection of DNA. <i>Circulation</i> , 1990 , 82, 2217-21	16.7	344
146	How pathogenic bacteria evade mammalian sabotage in the battle for iron. <i>Nature Chemical Biology</i> , 2006 , 2, 132-8	11.7	239
145	The pathogen-associated iroA gene cluster mediates bacterial evasion of lipocalin 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 16502-7	11.5	228
144	Chemical genetic discovery of PARP targets reveals a role for PARP-1 in transcription elongation. <i>Science</i> , 2016 , 353, 45-50	33.3	225
143	Programming peptidomimetic syntheses by translating genetic codes designed de novo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6353-7	11.5	173
142	Metabolomics-assisted proteomics identifies succinylation and SIRT5 as important regulators of cardiac function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4320-5	11.5	169
141	Protein Lipidation: Occurrence, Mechanisms, Biological Functions, and Enabling Technologies. <i>Chemical Reviews</i> , 2018 , 118, 919-988	68.1	166
140	Identification of lysine succinylation substrates and the succinylation regulatory enzyme CobB in <i>Escherichia coli</i> . <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3509-20	7.6	165
139	Protein lysine acylation and cysteine succination by intermediates of energy metabolism. <i>ACS Chemical Biology</i> , 2012 , 7, 947-60	4.9	162
138	Diphthamide biosynthesis requires an organic radical generated by an iron-sulphur enzyme. <i>Nature</i> , 2010 , 465, 891-6	50.4	153
137	A chemoenzymatic approach to glycopeptide antibiotics. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13998-4003	16.4	144
136	The Substrate Specificity of Sirtuins. <i>Annual Review of Biochemistry</i> , 2016 , 85, 405-29	29.1	142
135	In vitro characterization of salmochelin and enterobactin trilactone hydrolases IroD, IroE, and Fes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11075-84	16.4	141

134	In vitro characterization of IroB, a pathogen-associated C-glycosyltransferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 571-6	11.5	138
133	Investigating the ADP-ribosyltransferase activity of sirtuins with NAD analogues and 32P-NAD. <i>Biochemistry</i> , 2009 , 48, 2878-90	3.2	135
132	Sirtuins in epigenetic regulation. <i>Chemical Reviews</i> , 2015 , 115, 2350-75	68.1	134
131	A SIRT2-Selective Inhibitor Promotes c-Myc Oncoprotein Degradation and Exhibits Broad Anticancer Activity. <i>Cancer Cell</i> , 2016 , 29, 297-310	24.3	129
130	Efficient demyristoylase activity of SIRT2 revealed by kinetic and structural studies. <i>Scientific Reports</i> , 2015 , 5, 8529	4.9	118
129	Sirtuin inhibitors as anticancer agents. <i>Future Medicinal Chemistry</i> , 2014 , 6, 945-66	4.1	111
128	Screening and selection methods for large-scale analysis of protein function. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 4402-25	16.4	102
127	Clickable NAD analogues for labeling substrate proteins of poly(ADP-ribose) polymerases. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9363-72	16.4	98
126	Metabolic characterization of a Sirt5 deficient mouse model. <i>Scientific Reports</i> , 2013 , 3, 2806	4.9	94
125	Polyploids require Bik1 for kinetochore-microtubule attachment. <i>Journal of Cell Biology</i> , 2001 , 155, 1173-84	7.84	91
124	Directed evolution of a glycosynthase via chemical complementation. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15051-9	16.4	90
123	Dexamethasone/Methotrexate: An Efficient Chemical Inducer of Protein Dimerization In Vivo. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4247-4248	16.4	90
122	Chemical complementation: a reaction-independent genetic assay for enzyme catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 16537-42	11.5	81
121	HDAC11 regulates type I interferon signaling through defatty-acylation of SHMT2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 5487-5492	11.5	79
120	Identifying the functional contribution of the defatty-acylase activity of SIRT6. <i>Nature Chemical Biology</i> , 2016 , 12, 614-20	11.7	68
119	High-Resolution Metabolomics with Acyl-CoA Profiling Reveals Widespread Remodeling in Response to Diet. <i>Molecular and Cellular Proteomics</i> , 2015 , 14, 1489-500	7.6	68
118	Loss of Sirtuin 1 Alters the Secretome of Breast Cancer Cells by Impairing Lysosomal Integrity. <i>Developmental Cell</i> , 2019 , 49, 393-408.e7	10.2	66
117	The bicyclic intermediate structure provides insights into the desuccinylation mechanism of human sirtuin 5 (SIRT5). <i>Journal of Biological Chemistry</i> , 2012 , 287, 28307-14	5.4	64

116	SIRT7 Is an RNA-Activated Protein Lysine Deacylase. <i>ACS Chemical Biology</i> , 2017 , 12, 300-310	4.9	60
115	Nicotinamide adenine dinucleotide: beyond a redox coenzyme. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 2541-54	3.9	60
114	HDAC8 Catalyzes the Hydrolysis of Long Chain Fatty Acyl Lysine. <i>ACS Chemical Biology</i> , 2016 , 11, 2685-2692	4.9	60
113	Thiomristoyl peptides as cell-permeable Sirt6 inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 7498-502	3.9	59
112	Thiosuccinyl peptides as Sirt5-specific inhibitors. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1922-5	16.4	59
111	Plasmodium falciparum Sir2A preferentially hydrolyzes medium and long chain fatty acyl lysine. <i>ACS Chemical Biology</i> , 2012 , 7, 155-9	4.9	56
110	SIRT2 Reverses 4-Oxononanoyl Lysine Modification on Histones. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12304-7	16.4	51
109	Dph3 is an electron donor for Dph1-Dph2 in the first step of eukaryotic diphthamide biosynthesis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1754-7	16.4	50
108	The biosynthesis and biological function of diphthamide. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013 , 48, 515-21	8.7	49
107	Structural basis for enzymatic evolution from a dedicated ADP-ribosyl cyclase to a multifunctional NAD hydrolase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27637-45	5.4	46
106	SIRT6 regulates Ras-related protein R-Ras2 by lysine defatty-acylation. <i>ELife</i> , 2017 , 6,	8.9	45
105	SIRT2 and lysine fatty acylation regulate the transforming activity of K-Ras4a. <i>ELife</i> , 2017 , 6,	8.9	45
104	A Versatile Approach for Site-Specific Lysine Acylation in Proteins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1643-1647	16.4	44
103	Enzymatic tailoring of enterobactin alters membrane partitioning and iron acquisition. <i>ACS Chemical Biology</i> , 2006 , 1, 29-32	4.9	41
102	SIRT7 Is Activated by DNA and Deacetylates Histone H3 in the Chromatin Context. <i>ACS Chemical Biology</i> , 2016 , 11, 742-7	4.9	41
101	A fluorogenic assay for screening Sirt6 modulators. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 5213-6	5.9	40
100	Macrolactamization of glycosylated peptide thioesters by the thioesterase domain of tyrocidine synthetase. <i>Chemistry and Biology</i> , 2004 , 11, 1635-42		39
99	SIRT5 stabilizes mitochondrial glutaminase and supports breast cancer tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	39

98	Non-oncogene Addiction to SIRT3 Plays a Critical Role in Lymphomagenesis. <i>Cancer Cell</i> , 2019 , 35, 916-931.	31.9	37
97	S-Adenosylmethionine-dependent alkylation reactions: when are radical reactions used?. <i>Bioorganic Chemistry</i> , 2011 , 39, 161-70	5.1	35
96	High-throughput selection for cellulase catalysts using chemical complementation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17446-52	16.4	35
95	Mechanistic understanding of Pyrococcus horikoshii Dph2, a [4Fe-4S] enzyme required for diphthamide biosynthesis. <i>Molecular BioSystems</i> , 2011 , 7, 74-81		34
94	Receptor-dependence of the transcription read-out in a small-molecule three-hybrid system. <i>ChemBioChem</i> , 2002 , 3, 887-95	3.8	34
93	A STAT3 palmitoylation cycle promotes T17 differentiation and colitis. <i>Nature</i> , 2020 , 586, 434-439	50.4	33
92	Organometallic and radical intermediates reveal mechanism of diphthamide biosynthesis. <i>Science</i> , 2018 , 359, 1247-1250	33.3	32
91	Covalent and noncovalent intermediates of an NAD utilizing enzyme, human CD38. <i>Chemistry and Biology</i> , 2008 , 15, 1068-78		32
90	Deacylation Mechanism by SIRT2 Revealed in the 1SSH-2SO-Myristoyl Intermediate Structure. <i>Cell Chemical Biology</i> , 2017 , 24, 339-345	8.2	31
89	Revealing CD38 cellular localization using a cell permeable, mechanism-based fluorescent small-molecule probe. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5656-63	16.4	31
88	Novel Lysine-Based Thioureas as Mechanism-Based Inhibitors of Sirtuin 2 (SIRT2) with Anticancer Activity in a Colorectal Cancer Murine Model. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 4131-4141	8.3	29
87	NMT1 and NMT2 are lysine myristoyltransferases regulating the ARF6 GTPase cycle. <i>Nature Communications</i> , 2020 , 11, 1067	17.4	28
86	Direct Comparison of SIRT2 Inhibitors: Potency, Specificity, Activity-Dependent Inhibition, and On-Target Anticancer Activities. <i>ChemMedChem</i> , 2018 , 13, 1890-1894	3.7	28
85	Mechanism-based small molecule probes for labeling CD38 on live cells. <i>Journal of the American Chemical Society</i> , 2009 , 131, 1658-9	16.4	28
84	YBR246W is required for the third step of diphthamide biosynthesis. <i>Journal of the American Chemical Society</i> , 2012 , 134, 773-6	16.4	27
83	Activity-Guided Design of HDAC11-Specific Inhibitors. <i>ACS Chemical Biology</i> , 2019 , 14, 1393-1397	4.9	26
82	Mammalian STE20-like kinase 2, not kinase 1, mediates photoreceptor cell death during retinal detachment. <i>Cell Death and Disease</i> , 2014 , 5, e1269	9.8	26
81	Updates on the epigenetic roles of sirtuins. <i>Current Opinion in Chemical Biology</i> , 2019 , 51, 18-29	9.7	25

80	A Small-Molecule SIRT2 Inhibitor That Promotes K-Ras4a Lysine Fatty-Acylation. <i>ChemMedChem</i> , 2019 , 14, 744-748	3.7	25
79	Lysine fatty acylation promotes lysosomal targeting of TNF- α <i>Scientific Reports</i> , 2016 , 6, 24371	4.9	24
78	A Click Chemistry Approach Reveals the Chromatin-Dependent Histone H3K36 Deacylase Nature of SIRT7. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2462-2473	16.4	23
77	Dph7 catalyzes a previously unknown demethylation step in diphthamide biosynthesis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 6179-82	16.4	21
76	Enhanced macrocyclizing activity of the thioesterase from tyrocidine synthetase in presence of nonionic detergent. <i>Chemistry and Biology</i> , 2004 , 11, 1573-82		21
75	-Palmitoylation of Junctional Adhesion Molecule C Regulates Its Tight Junction Localization and Cell Migration. <i>Journal of Biological Chemistry</i> , 2017 , 292, 5325-5334	5.4	20
74	TiPARP forms nuclear condensates to degrade HIF-1 α and suppress tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 13447-13456	11.5	20
73	Chemogenomic approach identified yeast YLR143W as diphthamide synthetase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19983-7	11.5	20
72	Organometallic Complex Formed by an Unconventional Radical S-Adenosylmethionine Enzyme. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9755-8	16.4	20
71	SIRT2 and Lysine Fatty Acylation Regulate the Activity of RalB and Cell Migration. <i>ACS Chemical Biology</i> , 2019 , 14, 2014-2023	4.9	19
70	An improved fluorogenic assay for SIRT1, SIRT2, and SIRT3. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 2186-90	3.9	19
69	In Vivo Protein-Protein Interaction Assays: Beyond Proteins. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 871-875	16.4	19
68	Inhibition of intestinal tumor formation by deletion of the DNA methyltransferase 3a. <i>Oncogene</i> , 2015 , 34, 1822-30	9.2	18
67	ATRA-induced HL-60 myeloid leukemia cell differentiation depends on the CD38 cytosolic tail needed for membrane localization, but CD38 enzymatic activity is unnecessary. <i>Experimental Cell Research</i> , 2011 , 317, 910-9	4.2	18
66	Substrate-Dependent Cleavage Site Selection by Unconventional Radical S-Adenosylmethionine Enzymes in Diphthamide Biosynthesis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5680-5683	16.4	17
65	Reconstitution of diphthine synthase activity in vitro. <i>Biochemistry</i> , 2010 , 49, 9649-57	3.2	17
64	A Glycoconjugated SIRT2 Inhibitor with Aqueous Solubility Allows Structure-Based Design of SIRT2 Inhibitors. <i>ACS Chemical Biology</i> , 2019 , 14, 1802-1810	4.9	15
63	Simultaneous Inhibition of SIRT2 Deacetylase and Defatty-Acylase Activities via a PROTAC Strategy. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 2305-2311	4.3	13

62	Pharmacological and genetic perturbation establish SIRT5 as a promising target in breast cancer. <i>Oncogene</i> , 2021 , 40, 1644-1658	9.2	13
61	Structural Basis of the Substrate Selectivity of Viperin. <i>Biochemistry</i> , 2020 , 59, 652-662	3.2	12
60	HDAC1 Governs Iron Homeostasis Independent of Histone Deacetylation in Iron-Overload Murine Models. <i>Antioxidants and Redox Signaling</i> , 2018 , 28, 1224-1237	8.4	12
59	Identification of proteins capable of metal reduction from the proteome of the Gram-positive bacterium <i>Desulfotomaculum reducens</i> MI-1 using an NADH-based activity assay. <i>Environmental Microbiology</i> , 2015 , 17, 1977-90	5.2	11
58	Comparative Nucleotide-Dependent Interactome Analysis Reveals Shared and Differential Properties of KRas4a and KRas4b. <i>ACS Central Science</i> , 2018 , 4, 71-80	16.8	11
57	Noncanonical Radical SAM Enzyme Chemistry Learned from Diphthamide Biosynthesis. <i>Biochemistry</i> , 2018 , 57, 3454-3459	3.2	11
56	Screening- und Selektionsmethoden für die Analyse von Proteinfunktionen in großem Maßstab. <i>Angewandte Chemie</i> , 2002 , 114, 4580-4606	3.6	11
55	Understanding the Function of Mammalian Sirtuins and Protein Lysine Acylation. <i>Annual Review of Biochemistry</i> , 2021 , 90, 245-285	29.1	11
54	Cbr1 is a Dph3 reductase required for the tRNA wobble uridine modification. <i>Nature Chemical Biology</i> , 2016 , 12, 995-997	11.7	11
53	Enterobactin-Specific Antibodies Induced by a Novel Enterobactin Conjugate Vaccine. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	10
52	N-Myristoyltransferase as a Glycine and Lysine Myristoyltransferase in Cancer, Immunity, and Infections. <i>ACS Chemical Biology</i> , 2020 , 15, 1747-1758	4.9	10
51	Probing the requirement for CD38 in retinoic acid-induced HL-60 cell differentiation with a small molecule dimerizer and genetic knockout. <i>Scientific Reports</i> , 2017 , 7, 17406	4.9	10
50	Optimized design and synthesis of chemical dimerizer substrates for detection of glycosynthase activity via chemical complementation. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 6940-53	3.4	8
49	Garcinol Is an HDAC11 Inhibitor. <i>ACS Chemical Biology</i> , 2020 , 15, 2866-2871	4.9	8
48	A Versatile Approach for Site-Specific Lysine Acylation in Proteins. <i>Angewandte Chemie</i> , 2017 , 129, 1665-1669	16.9	7
47	Investigation of the mechanism of resistance to third-generation cephalosporins by class C beta-lactamases by using chemical complementation. <i>ChemBioChem</i> , 2005 , 6, 2055-67	3.8	7
46	Bromoenterobactins as potent inhibitors of a pathogen-associated, siderophore-modifying C-glycosyltransferase. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9324-5	16.4	6
45	In-vivo-Testsysteme für Protein-Protein-Wechselwirkungen: eine Methode nicht nur für Proteine. <i>Angewandte Chemie</i> , 2001 , 113, 895-899	3.6	6

44	Indirubin Derivatives as Dual Inhibitors Targeting Cyclin-Dependent Kinase and Histone Deacetylase for Treating Cancer. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 15280-15296	8.3	6
43	Pharmacological Advantage of SIRT2-Selective versus pan-SIRT1-3 Inhibitors. <i>ACS Chemical Biology</i> , 2021 , 16, 1266-1275	4.9	6
42	Protein cysteine palmitoylation in immunity and inflammation. <i>FEBS Journal</i> , 2021 ,	5.7	6
41	The asymmetric function of Dph1-Dph2 heterodimer in diphthamide biosynthesis. <i>Journal of Biological Inorganic Chemistry</i> , 2019 , 24, 777-782	3.7	5
40	Identification of ADP-ribosylation sites of CD38 mutants by precursor ion scanning mass spectrometry. <i>Analytical Biochemistry</i> , 2013 , 433, 218-26	3.1	5
39	Lysine Fatty Acylation: Regulatory Enzymes, Research Tools, and Biological Function. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 717503	5.7	4
38	Sirtuin Modulators in Cellular and Animal Models of Human Diseases. <i>Frontiers in Pharmacology</i> , 2021 , 12, 735044	5.6	4
37	In Vivo Protein-Protein Interaction Assays: Beyond Proteins We would like to thank Tony Siu, Dr. Charles Cho, and the members of our lab for their helpful comments as we were preparing this manuscript.. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 871-875	16.4	4
36	NAD+-consuming enzymes in immune defense against viral infection. <i>Biochemical Journal</i> , 2021 , 478, 4071-4092	3.8	4
35	The Crystal Structure of Dph2 in Complex with Elongation Factor 2 Reveals the Structural Basis for the First Step of Diphthamide Biosynthesis. <i>Biochemistry</i> , 2019 , 58, 4343-4351	3.2	3
34	Attenuation of NLRP3 Inflammasome Activation by Indirubin-Derived PROTAC Targeting HDAC6. <i>ACS Chemical Biology</i> , 2021 ,	4.9	3
33	Altered succinylation of mitochondrial proteins, APP and tau in Alzheimer's disease.. <i>Nature Communications</i> , 2022 , 13, 159	17.4	3
32	Selective Usage of Isozymes for Stress Response. <i>ACS Chemical Biology</i> , 2018 , 13, 3059-3064	4.9	3
31	Histone H2B Deacylation Selectivity: Exploring Chromatin's Dark Matter with an Engineered Sortase.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	3
30	Global Profiling of Sirtuin Deacylase Substrates Using a Chemical Proteomic Strategy and Validation by Fluorescent Labeling. <i>Methods in Molecular Biology</i> , 2019 , 2009, 137-147	1.4	2
29	HPLC-Based Enzyme Assays for Sirtuins. <i>Methods in Molecular Biology</i> , 2018 , 1813, 225-234	1.4	2
28	Using Clickable NAD Analogs to Label Substrate Proteins of PARPs. <i>Methods in Molecular Biology</i> , 2017 , 1608, 95-109	1.4	2
27	Post-Translational Modifications to Regulate Protein Function 2008 , 1		2

26	SIRT3 Is a Novel Metabolic Driver of and Therapeutic Target for Chemotherapy Resistant Dlbcls. <i>Blood</i> , 2017 , 130, 643-643	2.2	2
25	Translational Activation of ATF4 through Mitochondrial Anaplerotic Metabolic Pathways Is Required for DLBCL Growth and Survival.. <i>Blood Cancer Discovery</i> , 2022 , 3, 50-65	7	2
24	Binding Affinity Determines Substrate Specificity and Enables Discovery of Substrates for N-Myristoyltransferases.. <i>ACS Catalysis</i> , 2021 , 11, 14877-14883	13.1	2
23	Detecting sirtuin-catalyzed deacylation reactions using 32 P-labeled NAD and thin-layer chromatography. <i>Methods in Molecular Biology</i> , 2013 , 1077, 179-89	1.4	2
22	A Regulatory Cysteine Residue Mediates Reversible Inactivation of NAD-Dependent Aldehyde Dehydrogenases to Promote Oxidative Stress Response. <i>ACS Chemical Biology</i> , 2020 , 15, 28-32	4.9	2
21	Substrate-Dependent Modulation of SIRT2 by a Fluorescent Probe, 1-Aminoanthracene. <i>Biochemistry</i> , 2020 , 59, 3869-3878	3.2	2
20	Methods for Studying the Radical SAM Enzymes in Diphthamide Biosynthesis. <i>Methods in Enzymology</i> , 2018 , 606, 421-438	1.7	2
19	Fluorogenic Assays for the Defatty-Acylase Activity of Sirtuins. <i>Methods in Molecular Biology</i> , 2019 , 2009, 129-136	1.4	1
18	The Enzymatic Activities of Sirtuins 2018 , 45-62		1
17	Molecular dissection of a putative iron reductase from <i>Desulfotomaculum reducens</i> MI-1. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 467, 503-8	3.4	1
16	Sirtuins and Novel Protein Post Translational Modifications. <i>FASEB Journal</i> , 2015 , 29, 496.1	0.9	1
15	Labeling Substrate Proteins of Poly(ADP-ribose) Polymerases with Clickable NAD Analog. <i>Current Protocols in Chemical Biology</i> , 2012 , 4, 19-34	1.8	1
14	Dph3 Enables Aerobic Diphthamide Biosynthesis by Donating One Iron Atom to Transform a [3Fe-4S] to a [4Fe-4S] Cluster in Dph1-Dph2. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9314-9319	16.4	1
13	Emerging roles of Sirtuin 2 in cardiovascular diseases. <i>FASEB Journal</i> , 2021 , 35, e21841	0.9	1
12	Development of a NanoBRET assay to validate inhibitors of Sirt2-mediated lysine deacetylation and defatty-acylation that block prostate cancer cell migration.. <i>RSC Chemical Biology</i> , 2022 , 3, 468-485	3	1
11	Oxygen level regulates N-terminal translation elongation of selected proteins through deoxyhypusine hydroxylation. <i>Cell Reports</i> , 2022 , 39, 110855	10.6	1
10	Diphthamide 2020 , 520-535		0
9	An improved 4Saminomethyltrioxsalen-based nucleic acid crosslinker for biotinylation of double-stranded DNA or RNA.. <i>RSC Advances</i> , 2020 , 10, 39870-39874	3.7	0

8	High-Throughput Enzyme Assay for Screening Inhibitors of the ZDHHC3/7/20 Acyltransferases. <i>ACS Chemical Biology</i> , 2021 , 16, 1318-1324	4.9	o
7	Cysteine derivatives as acetyl lysine mimics to inhibit zinc-dependent histone deacetylases for treating cancer. <i>European Journal of Medicinal Chemistry</i> , 2021 , 225, 113799	6.8	o
6	Long-chain fatty acyl coenzyme A inhibits NME1/2 and regulates cancer metastasis.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2117013119	11.5	o
5	Yeast n-Hybrid Systems for Molecular Evolution127-158		
4	Sirtuin 3 Inhibition Targets AML Stem Cells through Perturbation of Fatty Acid Oxidation. <i>Blood</i> , 2021 , 138, 2240-2240	2.2	
3	The unusual enzyme chemistry in diphthamide biosynthesis. <i>FASEB Journal</i> , 2012 , 26, 470.3	0.9	
2	SIRT5 Reveals Novel Enzymatic Activities of Sirtuins 2016 , 139-147		
1	High-Throughput Screening Identifies Ascorbyl Palmitate as a SIRT2 Deacetylase and Defatty-Acylase Inhibitor. <i>ChemMedChem</i> , 2021 , 16, 3484-3494	3.7	