

Andreas Stahl Madsen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,207
citations

331670

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302126

39
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51
all docs

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docs citations

51
times ranked

2803
citing authors

#	ARTICLE	IF	CITATIONS
1	Lysine Glutarylation Is a Protein Posttranslational Modification Regulated by SIRT5. <i>Cell Metabolism</i> , 2014, 19, 605-617.	16.2	647
2	SIRT4 Is a Lysine Deacylase that Controls Leucine Metabolism and Insulin Secretion. <i>Cell Metabolism</i> , 2017, 25, 838-855.e15.	16.2	259
3	Metabolic control by sirtuins and other enzymes that sense NAD ⁺ , NADH, or their ratio. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 991-998.	1.0	138
4	Histone Deacetylase 11 Is an $\hat{\mu}$ -N-Myristoyllysine Hydrolase. <i>Cell Chemical Biology</i> , 2018, 25, 849-856.e8.	5.2	98
5	Investigating the Sensitivity of NAD ⁺ -dependent Sirtuin Deacylation Activities to NADH. <i>Journal of Biological Chemistry</i> , 2016, 291, 7128-7141.	3.4	91
6	Profiling of Substrates for Zinc-dependent Lysine Deacylase Enzymes: HDAC3 Exhibits Decrotonylase Activity In Vitro. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9083-9087.	13.8	90
7	Substrates for Efficient Fluorometric Screening Employing the NAD-Dependent Sirtuin 5 Lysine Deacylase (KDAC) Enzyme. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5582-5590.	6.4	66
8	Mechanism-Based Inhibitors of the Human Sirtuin 5 Deacylase: Structure-Activity Relationship, Biostructural, and Kinetic Insight. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14836-14841.	13.8	62
9	Effective Modulation of DNA Duplex Stability by Reversible Transition Metal Complex Formation in the Minor Groove. <i>Journal of the American Chemical Society</i> , 2007, 129, 9392-9400.	13.7	58
10	The Effect of Various Zinc Binding Groups on Inhibition of Histone Deacetylases 11. <i>ChemMedChem</i> , 2014, 9, 614-626.	3.2	52
11	Pyrene-terylene as a FRET pair coupled to the N2-functionality of 2-amino-LNA. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 94-99.	3.0	51
12	Innovative Strategies for Selective Inhibition of Histone Deacetylases. <i>Cell Chemical Biology</i> , 2016, 23, 759-768.	5.2	50
13	A Continuous, Fluorogenic Sirtuin 2 Deacylase Assay: Substrate Screening and Inhibitor Evaluation. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 1021-1031.	6.4	46
14	Synthesis and Hybridization Studies of 2-Amino-L-LNA and Tetracyclic Locked LNA. <i>Journal of Organic Chemistry</i> , 2006, 71, 4188-4201.	3.2	43
15	Functionalized 2-Amino-L-LNA: Directed Positioning of Intercalators for DNA Targeting. <i>Journal of Organic Chemistry</i> , 2009, 74, 1070-1081.	3.2	43
16	Functionalization of 2-amino-LNA with additional nucleobases. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1793.	2.8	39
17	Nucleic Acid Structural Engineering Using Pyrene-Functionalized 2-Amino-L-LNA Monomers and Abasic Sites. <i>Journal of Organic Chemistry</i> , 2008, 73, 7060-7066.	3.2	37
18	Identification and Characterization of Second-Generation Invader Locked Nucleic Acids (LNAs) for Mixed-Sequence Recognition of Double-Stranded DNA. <i>Journal of Organic Chemistry</i> , 2013, 78, 9560-9570.	3.2	32

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19	Targeting Sirtuins: Substrate Specificity and Inhibitor Design. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 154, 25-69.	1.7	32
20	Optimizing anti-gene oligonucleotide <i>â€”Zorro-LNA</i> TM for improved strand invasion into duplex DNA. <i>Nucleic Acids Research</i> , 2011, 39, 1142-1154.	14.5	29
21	Chemical Editing of Macrocyclic Natural Products and Kinetic Profiling Reveal Slow, Tight-Binding Histone Deacetylase Inhibitors with Picomolar Affinities. <i>Biochemistry</i> , 2017, 56, 5134-5146.	2.5	29
22	Recognition of double-stranded DNA using energetically activated duplexes with interstrand zippers of 1-, 2- or 4-pyrenyl-functionalized <i>â€”</i> alkylated RNA monomers. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7758-7773.	2.8	24
23	Mechanism-based inhibitors of SIRT2: structure-activity relationship, X-ray structures, target engagement, regulation of β -tubulin acetylation and inhibition of breast cancer cell migration. <i>RSC Chemical Biology</i> , 2021, 2, 612-626.	4.1	23
24	A potent trifluoromethyl ketone histone deacetylase inhibitor exhibits class-dependent mechanism of action. <i>MedChemComm</i> , 2016, 7, 464-470.	3.4	22
25	Large Scale Synthesis of 2-Amino-LNA Thymine and 5-Methylcytosine Nucleosides. <i>Journal of Organic Chemistry</i> , 2012, 77, 10718-10728.	3.2	18
26	An azumamide C analogue without the zinc-binding functionality. <i>MedChemComm</i> , 2014, 5, 1849-1855.	3.4	16
27	Enzymatic polymerisation involving 2-amino-LNA nucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3522-3526.	2.2	12
28	An NAD ⁺ -Dependent Sirtuin Depropionylase and Deacetylase (Sir2La) from the Probiotic Bacterium <i>Lactobacillus acidophilus</i> NCFM. <i>Biochemistry</i> , 2018, 57, 3903-3915.	2.5	12
29	Mitochondria-targeted inhibitors of the human SIRT3 lysine deacetylase. <i>RSC Chemical Biology</i> , 2021, 2, 627-635.	4.1	11
30	LNA 5-phosphoramidites for 5'-oligonucleotide synthesis. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5012.	2.8	9
31	Synthesis and Structural Characterization of 2-Fluoro- <i>l</i> -RNA Modified Oligonucleotides. <i>ChemBioChem</i> , 2011, 12, 1904-1911.	2.6	9
32	Oligonucleotides with 1,4-Dioxane-Based Nucleotide Monomers. <i>Journal of Organic Chemistry</i> , 2012, 77, 3878-3886.	3.2	7
33	Mechanism-Based Inhibitors of the Human Sirtuin 5 Deacetylase: Structure-Activity Relationship, Biostructural, and Kinetic Insight. <i>Angewandte Chemie</i> , 2017, 129, 15032-15037.	2.0	7
34	Synthesis, nucleic acid hybridization properties and molecular modelling studies of conformationally restricted 3'-O,4'-C-methylene-linked <i>l</i> -ribose nucleotides. <i>Carbohydrate Research</i> , 2006, 341, 1398-1407.	2.3	6
35	Scalable and Purification-Free Synthesis of a Myristoylated Fluoro-Genetic Sirtuin Substrate. <i>Synlett</i> , 2017, 28, 2169-2173.	1.8	6
36	Synthesis and Biophysical Studies of N ² -Functionalized 2-Amino- <i>l</i> -L-LNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1403-1405.	1.1	4

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37	An acetylation photoswitch. <i>Nature Chemical Biology</i> , 2016, 12, 306-307.	8.0	4
38	Nucleosides with 1,4-dioxane as sugar moiety. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 269-270.	0.3	0
39	Frontispiece: Mechanism-Based Inhibitors of the Human Sirtuin 5 Deacylase: Structure-Activity Relationship, Biostructural, and Kinetic Insight. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	13.8	0
40	Frontispiz: Mechanism-Based Inhibitors of the Human Sirtuin 5 Deacylase: Structure-Activity Relationship, Biostructural, and Kinetic Insight. <i>Angewandte Chemie</i> , 2017, 129, .	2.0	0