

# Thomas Lundbeck

## List of Publications by Citations

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**Version:** 2024-04-20

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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.

63

papers

2,620

citations

28

h-index

50

g-index

77

ext. papers

3,153

ext. citations

7.4

avg, IF

4.59

L-index

#	Paper	IF	Citations
63	The cellular thermal shift assay for evaluating drug target interactions in cells. <i>Nature Protocols</i> , <b>2014</b> , 9, 2100-22	18.8	559
62	MTH1 inhibition eradicates cancer by preventing sanitation of the dNTP pool. <i>Nature</i> , <b>2014</b> , 508, 215-21	50.4	326
61	Solution structure and DNA-binding properties of a thermostable protein from the archaeon <i>Sulfolobus solfataricus</i> . <i>Nature Structural Biology</i> , <b>1994</b> , 1, 808-19		143
60	Oligomerization of the chromatin-structuring protein H-NS. <i>Molecular Microbiology</i> , <b>2000</b> , 36, 962-72	4.1	107
59	CETSA screening identifies known and novel thymidylate synthase inhibitors and slow intracellular activation of 5-fluorouracil. <i>Nature Communications</i> , <b>2016</b> , 7, 11040	17.4	96
58	N-Benzyl-indolo carboxylic acids: Design and synthesis of potent and selective adipocyte fatty-acid binding protein (A-FABP) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 1745-8	2.9	81
57	Thermodynamic characterization of non-sequence-specific DNA-binding by the Sso7d protein from <i>Sulfolobus solfataricus</i> . <i>Journal of Molecular Biology</i> , <b>1998</b> , 276, 775-86	6.5	79
56	Targeting SAMHD1 with the Vpx protein to improve cytarabine therapy for hematological malignancies. <i>Nature Medicine</i> , <b>2017</b> , 23, 256-263	50.5	69
55	Sequence-specific DNA-binding dominated by dehydration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 4754-9	11.5	65
54	Discovery of inhibitors of human adipocyte fatty acid-binding protein, a potential type 2 diabetes target. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 4445-8	2.9	63
53	Prediction of intracellular exposure bridges the gap between target- and cell-based drug discovery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E6231-E6239	11.5	60
52	Substituted benzylamino-6-(trifluoromethyl)pyrimidin-4(1H)-ones: a novel class of selective human A-FABP inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 4449-52	2.9	55
51	Thermodynamics of sequence-specific protein-DNA interactions. <i>Biophysical Chemistry</i> , <b>1996</b> , 62, 121-39	3.5	53
50	Thermodynamics of the glucocorticoid receptor-DNA interaction: binding of wild-type GR DBD to different response elements. <i>Biochemistry</i> , <b>1993</b> , 32, 5074-82	3.2	50
49	Oct-1 POU and octamer DNA co-operate to recognise the Bob-1 transcription co-activator via induced folding. <i>Journal of Molecular Biology</i> , <b>1999</b> , 288, 941-52	6.5	47
48	Structure-based screening as applied to human FABP4: a highly efficient alternative to HTS for hit generation. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 11874-80	16.4	45
47	Structure-activity relationships of synthetic cordycepin analogues as experimental therapeutics for African trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 9861-73	8.3	36

46	Salt Dependence of the Free Energy, Enthalpy, and Entropy of Nonsequence Specific DNA Binding. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 17690-17695		35
45	Thermodynamics of sequence-specific glucocorticoid receptor-DNA interactions. <i>Biochemistry</i> , <b>1994</b> , 33, 5955-65	3.2	35
44	Microwave Heated Flow Synthesis of Spiro-oxindole Dihydroquinazolinone Based IRAP Inhibitors. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 1582-1588	3.9	34
43	Characterization of sequence-specific DNA binding by the transcription factor Oct-1. <i>Biochemistry</i> , <b>2000</b> , 39, 7570-9	3.2	34
42	Inhibitors of the Cysteine Synthase CysM with Antibacterial Potency against Dormant Mycobacterium tuberculosis. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 6848-59	8.3	33
41	CETSA beyond Soluble Targets: a Broad Application to Multipass Transmembrane Proteins. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1913-1920	4.9	31
40	Discovery of the First Potent and Selective Inhibitors of Human dCTP Pyrophosphatase 1. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 1140-1148	8.3	30
39	On the Nature of Solvent Effects on Redox Properties. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 4805-4831		30
38	Targeted NUDT5 inhibitors block hormone signaling in breast cancer cells. <i>Nature Communications</i> , <b>2018</b> , 9, 250	17.4	28
37	Binding to and Inhibition of Insulin-Regulated Aminopeptidase by Macrocyclic Disulfides Enhances Spine Density. <i>Molecular Pharmacology</i> , <b>2016</b> , 89, 413-24	4.3	28
36	Early Perspective. <i>Journal of Biomolecular Screening</i> , <b>2016</b> , 21, 1019-1033		19
35	Immunomodulatory activity of commonly used drugs on Fc-receptor-mediated human natural killer cell activation. <i>Cancer Immunology, Immunotherapy</i> , <b>2014</b> , 63, 627-41	7.4	19
34	Aryl Sulfonamide Inhibitors of Insulin-Regulated Aminopeptidase Enhance Spine Density in Primary Hippocampal Neuron Cultures. <i>ACS Chemical Neuroscience</i> , <b>2016</b> , 7, 1383-1392	5.7	19
33	Structure and dynamics of the glucocorticoid receptor DNA-binding domain: comparison of wild type and a mutant with altered specificity. <i>Biochemistry</i> , <b>1997</b> , 36, 11188-97	3.2	18
32	dUTPase inhibition augments replication defects of 5-Fluorouracil. <i>Oncotarget</i> , <b>2017</b> , 8, 23713-23726	3.3	18
31	In Situ Target Engagement Studies in Adherent Cells. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 942-950	4.9	17
30	Perspective on CETSA Literature: Toward More Quantitative Data Interpretation. <i>SLAS Discovery</i> , <b>2020</b> , 25, 118-126	3.4	16
29	Structural Basis for the Specificity of Human NUDT16 and Its Regulation by Inosine Monophosphate. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131507	3.7	15

28	Inhibition of Insulin-Regulated Aminopeptidase (IRAP) by Arylsulfonamides. <i>ChemistryOpen</i> , <b>2014</b> , 3, 256-63	2.3	15
27	Piperazin-1-ylpyridazine Derivatives Are a Novel Class of Human dCTP Pyrophosphatase 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 4279-4292	8.3	14
26	Ribonucleotide reductase inhibitors suppress SAMHD1 ara-CTPase activity enhancing cytarabine efficacy. <i>EMBO Molecular Medicine</i> , <b>2020</b> , 12, e10419	12	14
25	Sequence-specific DNA binding by the glucocorticoid receptor DNA-binding domain is linked to a salt-dependent histidine protonation. <i>Biochemistry</i> , <b>2000</b> , 39, 8909-16	3.2	14
24	A Fully Integrated Assay Panel for Early Drug Metabolism and Pharmacokinetics Profiling. <i>Assay and Drug Development Technologies</i> , <b>2020</b> , 18, 157-179	2.1	13
23	Identification of Triazolothiadiazoles as Potent Inhibitors of the dCTP Pyrophosphatase 1. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 2148-2154	8.3	12
22	Identification of Drug-Like Inhibitors of Insulin-Regulated Aminopeptidase Through Small-Molecule Screening. <i>Assay and Drug Development Technologies</i> , <b>2016</b> , 14, 180-93	2.1	10
21	Quantitative Interpretation of Intracellular Drug Binding and Kinetics Using the Cellular Thermal Shift Assay. <i>Biochemistry</i> , <b>2018</b> , 57, 6715-6725	3.2	10
20	A drug screening assay on cancer cells chronically adapted to acidosis. <i>Cancer Cell International</i> , <b>2018</b> , 18, 147	6.4	10
19	In vitro and in vivo activities of 2-aminopyrazines and 2-aminopyridines in experimental models of human African trypanosomiasis. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 1012-8	5.9	9
18	Virtual Screening for Transition State Analogue Inhibitors of IRAP Based on Quantum Mechanically Derived Reaction Coordinates. <i>Journal of Chemical Information and Modeling</i> , <b>2015</b> , 55, 1984-93	6.1	8
17	Chemical Instability and Promiscuity of Arylmethylidenepyrazolinone-Based MDMX Inhibitors. <i>ACS Chemical Biology</i> , <b>2018</b> , 13, 2849-2854	4.9	8
16	A Phenotypic Screening Assay Identifies Modulators of Diamond Blackfan Anemia. <i>SLAS Discovery</i> , <b>2019</b> , 24, 304-313	3.4	7
15	A FabG inhibitor targeting an allosteric binding site inhibits several orthologs from Gram-negative ESKAPE pathogens. <i>Bioorganic and Medicinal Chemistry</i> , <b>2021</b> , 30, 115898	3.4	7
14	Identification of inhibitors of Tartrate-resistant acid phosphatase (TRAP/ACP5) activity by small-molecule screening. <i>Chemical Biology and Drug Design</i> , <b>2018</b> , 92, 1255-1271	2.9	6
13	A novel assay of cellular stearyl-CoA desaturase activity of primary rat hepatocytes by HPLC. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2010</b> , 878, 2427-332	3.2	6
12	Development of a chemical probe against NUDT15. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 1120-1128	11.7	5
11	Druggability Assessment of the NUDIX Hydrolase Protein Family as a Workflow for Target Prioritization. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 443	5	4

10	Synthesis, Evaluation and Proposed Binding Pose of Substituted Spiro-Oxindole Dihydroquinazolinones as IRAP Inhibitors. <i>ChemistryOpen</i> , <b>2020</b> , 9, 325-337	2.3	4
9	Diamond Blackfan anemia is mediated by hyperactive Nemo-like kinase. <i>Nature Communications</i> , <b>2020</b> , 11, 3344	17.4	4
8	Design and development of a photoswitchable DFG-out kinase inhibitor. <i>Chemical Communications</i> , <b>2021</b> , 57, 10043-10046	5.8	4
7	Diverse heterocyclic scaffolds as dCTP pyrophosphatase 1 inhibitors. Part 2: Pyridone- and pyrimidinone-derived systems. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 3219-3225	2.9	3
6	Controversies in ASSAY and drug development technologies: a focus on assessing irreproducibility. <i>Assay and Drug Development Technologies</i> , <b>2014</b> , 12, 443-51	2.1	1
5	Small Molecule Screens Identify CDK8-Inhibitors As Candidate Diamond-Blackfan Anemia Drugs. <i>Blood</i> , <b>2018</b> , 132, 753-753	2.2	1
4	Design and development of photoswitchable DFG-Out RET kinase inhibitors.. <i>European Journal of Medicinal Chemistry</i> , <b>2022</b> , 234, 114226	6.8	1
3	Inhibition of the ubiquitin-proteasome system by an NQO1-activatable compound. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 914	9.8	
2	A Robust Screening Assay For Diamond Blackfan Anemia Candidate Drugs. <i>Blood</i> , <b>2013</b> , 122, 2472-2472	2.2	
1	: Implementation of Acoustic Dispensing and 384-Well Based Workflows to Improve Assay Capacity and Reduce Compound and Solvent Use in Early Drug Metabolism and Pharmacokinetics Profiling. <i>Assay and Drug Development Technologies</i> , <b>2021</b> , 19, 410-411	2.1	