

Mads H Clausen

List of Publications by Year in descending order

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109
papers

4,613
citations

172457
29
h-index

110387
64
g-index

115
all docs

115
docs citations

115
times ranked

7179
citing authors

#	ARTICLE	IF	CITATIONS
1	FDA-approved small-molecule kinase inhibitors. Trends in Pharmacological Sciences, 2015, 36, 422-439.	8.7	794
2	Small-molecule kinase inhibitors: an analysis of FDA-approved drugs. Drug Discovery Today, 2016, 21, 5-10.	6.4	383
3	Synthetic methyl hexagalacturonate hapten inhibitors of anti-homogalacturonan monoclonal antibodies LM7, JIM5 and JIM7. Carbohydrate Research, 2003, 338, 1797-1800.	2.3	277
4	Versatile High Resolution Oligosaccharide Microarrays for Plant Glycobiology and Cell Wall Research. Journal of Biological Chemistry, 2012, 287, 39429-39438.	3.4	207
5	The identification of cutin synthase: formation of the plant polyester cutin. Nature Chemical Biology, 2012, 8, 609-611.	8.0	186
6	Identification of Griseofulvin as an Inhibitor of Centrosomal Clustering in a Phenotype-Based Screen. Cancer Research, 2007, 67, 6342-6350.	0.9	166
7	Allosteric small-molecule kinase inhibitors. , 2015, 156, 59-68.		166
8	Pectin Biosynthesis: GALS1 in <i>Arabidopsis thaliana</i> Is a β -1,4-Galactan β -1,4-Galactosyltransferase. Plant Cell, 2013, 24, 5024-5036.	6.6	125
9	A Synthetic Glycan Microarray Enables Epitope Mapping of Plant Cell Wall Glycan-Directed Antibodies. Plant Physiology, 2017, 175, 1094-1104.	4.8	117
10	Cutin D-1 and putative orthologs comprise an ancient family of cutin synthase-like (CUS) proteins that are conserved among land plants. Plant Journal, 2014, 77, 667-675.	5.7	114
11	The Chemistry of Griseofulvin. Chemical Reviews, 2014, 114, 12088-12107.	47.7	101
12	Tracking developmentally regulated post-synthetic processing of homogalacturonan and chitin using reciprocal oligosaccharide probes. Development (Cambridge), 2014, 141, 4841-4850.	2.5	88
13	Biologically Active Macrocyclic Compounds – from Natural Products to Diversity-Oriented Synthesis. European Journal of Organic Chemistry, 2011, 2011, 3107-3115.	2.4	80
14	Liposomal Formulation of Retinoids Designed for Enzyme Triggered Release. Journal of Medicinal Chemistry, 2010, 53, 3782-3792.	6.4	77
15	Structural characterization of homogalacturonan by NMR spectroscopy – assignment of reference compounds. Carbohydrate Research, 2008, 343, 2830-2833.	2.3	75
16	Synthesis and Biophysical Characterization of Chlorambucil Anticancer Ether Lipid Prodrugs. Journal of Medicinal Chemistry, 2009, 52, 3408-3415.	6.4	72
17	Chemical Synthesis of Oligosaccharides Related to the Cell Walls of Plants and Algae. Chemical Reviews, 2017, 117, 11337-11405.	47.7	66
18	Synthesis and Structure-Activity Relationship of Griseofulvin Analogues as Inhibitors of Centrosomal Clustering in Cancer Cells. Journal of Medicinal Chemistry, 2009, 52, 3342-3347.	6.4	64

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19	GF-15, a Novel Inhibitor of Centrosomal Clustering, Suppresses Tumor Cell Growth <i>in Vitro</i> and <i>in Vivo</i> . <i>Cancer Research</i> , 2012, 72, 5374-5385.	0.9	64
20	Prodrug strategies for targeted therapy triggered by reactive oxygen species. <i>MedChemComm</i> , 2019, 10, 1531-1549.	3.4	64
21	Branched Pectic Galactan in Phloem-Sieve-Element Cell Walls: Implications for Cell Mechanics. <i>Plant Physiology</i> , 2018, 176, 1547-1558.	4.8	58
22	Synthesis of Hexasaccharide Fragments of Pectin. <i>Chemistry - A European Journal</i> , 2003, 9, 3821-3832.	3.3	52
23	Synthesis and Evaluation of Hydrogen Peroxide Sensitive Prodrugs of Methotrexate and Aminopterin for the Treatment of Rheumatoid Arthritis. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3503-3515.	6.4	51
24	The 3F Library: Fluorinated Fsp ³ -Rich Fragments for Expedient ¹⁹ F- and ¹³ C-NMR Based Screening. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2204-2210.	13.8	49
25	A strategy for chemical synthesis of selectively methyl-esterified oligomers of galacturonic acid. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 543-551.	1.3	48
26	Structural Insights into Substrate Specificity and the <i>anti</i> - β^2 -Elimination Mechanism of Pectate Lyase. <i>Biochemistry</i> , 2010, 49, 539-546.	2.5	46
27	Disparate SAR Data of Griseofulvin Analogues for the Dermatophytes <i>Trichophyton mentagrophytes</i> , <i>T. rubrum</i> , and MDA-MB-231 Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 652-660.	6.4	44
28	A monoclonal antibody to feruloylated-(1 \rightarrow 4)- β -D-galactan. <i>Planta</i> , 2004, 219, 1036-1041.	3.2	40
29	Distinct substrate specificities of three glycoside hydrolase family 42 β -galactosidases from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697. <i>Glycobiology</i> , 2014, 24, 208-216.	2.5	40
30	The Three Members of the Arabidopsis Glycosyltransferase Family 92 are Functional β^2 -1,4-Galactan Synthases. <i>Plant and Cell Physiology</i> , 2018, 59, 2624-2636.	3.1	35
31	Synthesis of sp ³ -rich scaffolds for molecular libraries through complexity-generating cascade reactions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4943-4946.	2.8	30
32	Selective Acylation Enhances Membrane Charge Sensitivity of the Antimicrobial Peptide Mastoparan-X. <i>Biophysical Journal</i> , 2011, 100, 399-409.	0.5	29
33	Injectable Colloidal Gold for Use in Intrafractional 2D Image-Guided Radiation Therapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 856-863.	7.6	29
34	ABCG transporters export cutin precursors for the formation of the plant cuticle. <i>Current Biology</i> , 2021, 31, 2111-2123.e9.	3.9	28
35	Characterization of the LM5 pectic galactan epitope with synthetic analogues of β^2 -1,4-d-galactotetraose. <i>Carbohydrate Research</i> , 2016, 436, 36-40.	2.3	27
36	Bifunctional glycosyltransferases catalyze both extension and termination of pectic galactan oligosaccharides. <i>Plant Journal</i> , 2018, 94, 340-351.	5.7	27

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37	Small-Molecule Inhibitors of Reactive Oxygen Species Production. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5252-5275.	6.4	26
38	Acylated Flavonoid Glycosides are the Main Pigments that Determine the Flower Colour of the Brazilian Native Tree <i>Tibouchina pulchra</i> (Cham.) Cogn.. <i>Molecules</i> , 2019, 24, 718.	3.8	25
39	Synthesis of oligogalacturonates conjugated to BSA. <i>Carbohydrate Research</i> , 2004, 339, 2159-2169.	2.3	24
40	Remote loading of liposomes with a ¹²⁴ I-radioiodinated compound and their <i>in vivo</i> evaluation by PET/CT in a murine tumor model. <i>Theranostics</i> , 2018, 8, 5828-5841.	10.0	24
41	Library Design Strategies To Accelerate Fragment-Based Drug Discovery. <i>Chemistry - A European Journal</i> , 2020, 26, 11391-11403.	3.3	24
42	Synthesis of 1,4-Linked Galactan Side Chains of Rhamnogalacturonan...I. <i>Chemistry - A European Journal</i> , 2016, 22, 11543-11548.	3.3	22
43	Methotrexate prodrugs sensitive to reactive oxygen species for the improved treatment of rheumatoid arthritis. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 738-746.	5.5	22
44	A Glycan Array-Based Assay for the Identification and Characterization of Plant Glycosyltransferases. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12493-12498.	13.8	22
45	A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments. <i>Analyst</i> , 2015, 140, 7246-7253.	3.5	18
46	Prostaglandin phospholipid conjugates with unusual biophysical and cytotoxic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4456-4458.	2.2	17
47	Synthesis of (Arylamido)pyrrolidinone Libraries through Ritter-Type Cascade Reactions of Dihydroxylactams. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5633-5639.	2.4	16
48	Synthesis of hexahydropyrrolo[2,1-a]isoquinoline compound libraries through a Pictet-Spengler cyclization/metal-catalyzed cross coupling/amidation sequence. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2646-2649.	3.0	16
49	Carbohydrate Microarrays in Plant Science. <i>Methods in Molecular Biology</i> , 2012, 918, 351-362.	0.9	15
50	Synthesis of 1,4,5 trisubstituted β -lactams via a 3-component cascade reaction. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2695-2698.	3.0	15
51	Propargylamine-isothiocyanate reaction: efficient conjugation chemistry in aqueous media. <i>Chemical Communications</i> , 2014, 50, 7800-7802.	4.1	14
52	Reductive Cyclization and Petasis-Like Reaction for the Synthesis of Functionalized β -Lactams. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2346-2350.	2.4	14
53	Synthesis and formulation studies of griseofulvin analogues with improved solubility and metabolic stability. <i>European Journal of Medicinal Chemistry</i> , 2017, 130, 240-247.	5.5	14
54	Microscale thermophoresis as a powerful tool for screening glycosyltransferases involved in cell wall biosynthesis. <i>Plant Methods</i> , 2020, 16, 99.	4.3	14

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55	Synthesis and single crystal X-ray analysis of two griseofulvin metabolites. <i>Tetrahedron Letters</i> , 2010, 51, 5881-5882.	1.4	13
56	Synthesis of a Backbone Hexasaccharide Fragment of the Pectic Polysaccharide Rhamnogalacturonan I. <i>Organic Letters</i> , 2013, 15, 1826-1829.	4.6	13
57	Strategies for improving the solubility and metabolic stability of griseofulvin analogues. <i>European Journal of Medicinal Chemistry</i> , 2016, 116, 210-215.	5.5	13
58	Isomerization of all- <i>E</i> -Retinoic Acid Mediated by Carbodiimide Activation – Synthesis of ATRA Ether Lipid Conjugates. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 719-724.	2.4	12
59	EU-OPENSREEN: A Novel Collaborative Approach to Facilitate Chemical Biology. <i>SLAS Discovery</i> , 2019, 24, 398-413.	2.7	12
60	Rapid synthesis of macrocycles from diol precursors. <i>Tetrahedron Letters</i> , 2009, 50, 693-695.	1.4	11
61	(+)-Geodin from <i>Aspergillus terreus</i> . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, o125-o128.	0.4	11
62	Tandem Mannich/Diels-Alder reactions for the synthesis of indole compound libraries. <i>RSC Advances</i> , 2016, 6, 46654-46657.	3.6	11
63	A metal-catalyzed enyne-cyclization step for the synthesis of bi- and tricyclic scaffolds amenable to molecular library production. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6947-6950.	2.8	11
64	Synthesis and Application of Branched Type II Arabinogalactans. <i>Journal of Organic Chemistry</i> , 2017, 82, 12066-12084.	3.2	11
65	Azodyrecins A-C: Azoxides from a Soil-Derived <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2020, 83, 3519-3525.	3.0	11
66	Fragment-Based Drug Discovery for RNA Targets. <i>ChemMedChem</i> , 2021, 16, 2588-2603.	3.2	11
67	A Mild Method for Regioselective Labeling of Aromatics with Radioactive Iodine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3970-3973.	2.4	10
68	Facile Large-Scale Synthesis of 5- and 6-Carboxyfluoresceins: Application for the Preparation of New Fluorescent Dyes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7301-7309.	2.4	10
69	Diastereoselective synthesis of novel heterocyclic scaffolds through tandem Petasis 3-component/intramolecular Diels-Alder and ROM-RCM reactions. <i>Chemical Communications</i> , 2017, 53, 9410-9413.	4.1	10
70	The 3F Library: Fluorinated Fsp ³ -Rich Fragments for Expeditious ¹⁹ F-NMR Based Screening. <i>Angewandte Chemie</i> , 2020, 132, 2224-2230.	2.0	10
71	Synthesis of new diverse macrocycles from diol precursors. <i>Tetrahedron</i> , 2010, 66, 9849-9859.	1.9	9
72	Petasis/Diels-Alder/Cyclization Cascade Reactions for the Generation of Scaffolds with Multiple Stereogenic Centers and Orthogonal Handles for Library Production. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5023-5029.	2.4	9

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73	Injectable iodine-125 labeled tissue marker for radioactive localization of non-palpable breast lesions. <i>Acta Biomaterialia</i> , 2018, 65, 197-202.	8.3	9
74	Auxiliary in vitro and in vivo biological evaluation of hydrogen peroxide sensitive prodrugs of methotrexate and aminopterin for the treatment of rheumatoid arthritis. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115247.	3.0	9
75	Targeting undruggable carbohydrate recognition sites through focused fragment library design. <i>Communications Chemistry</i> , 2022, 5, .	4.5	9
76	Study of the mode of action of a polygalacturonase from the phytopathogen <i>Burkholderia cepacia</i> . <i>Biochemical Journal</i> , 2007, 407, 207-217.	3.7	8
77	Multimodal soft tissue markers for bridging high-resolution diagnostic imaging with therapeutic intervention. <i>Science Advances</i> , 2020, 6, eabb5353.	10.3	8
78	Chemical Biology of α -GalCer: A Chemist's Toolbox for the Stimulation of Invariant Natural Killer T (iNKT) Cells. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	8
79	Generation of a Heteropolycyclic and sp^3 -Rich Scaffold for Library Synthesis from a Highly Diastereoselective Petasis/Diels-Alder and ROM-RCM Reaction Sequence. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1061-1076.	2.4	7
80	A Pipeline towards the Biochemical Characterization of the Arabidopsis GT14 Family. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1360.	4.1	7
81	Regio- and stereoselective hydrosilylation of immobilized terminal alkynes. <i>Tetrahedron Letters</i> , 2008, 49, 6220-6223.	1.4	6
82	Synthesis of tocopheryl succinate phospholipid conjugates and monitoring of phospholipase A2 activity. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3972-3978.	3.0	6
83	Iridium catalysis: reductive conversion of glucan to xylan. <i>Chemical Communications</i> , 2018, 54, 952-955.	4.1	6
84	Rhamnogalacturonan II: Chemical Synthesis of a Substructure Including α -2,3-Linked Kdo. <i>Chemistry - A European Journal</i> , 2021, 27, 7099-7102.	3.3	6
85	Engineering the substrate binding site of the hyperthermostable archaeal endo- β -1,4-galactanase from <i>Ignisphaera aggregans</i> . <i>Biotechnology for Biofuels</i> , 2021, 14, 183.	6.2	6
86	Cyclic Citrullinated Peptide Aptamer Treatment Attenuates Collagen-Induced Arthritis. <i>Biomacromolecules</i> , 2022, 23, 2126-2137.	5.4	6
87	Convergent strategy for the synthesis of S-linked oligoxylans. <i>Carbohydrate Research</i> , 2017, 443-444, 53-57.	2.3	5
88	Synthesis of branched and linear 1,4-linked galactan oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1157-1162.	2.8	5
89	Synthesis and Oligomerization of 10,16-Dihydroxyhexadecanoyl Esters with Different Head-Groups for the Study of CUS1 Selectivity. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5704-5708.	2.4	5
90	Identification and Optimization of Novel Small-Molecule Cas9 Inhibitors by Cell-Based High-Throughput Screening. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 3266-3305.	6.4	5

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91	Substrate specificity of novel GH16 endo- β -(1 \rightarrow 3)-galactanases acting on linear and branched β -(1 \rightarrow 3)-galactooligosaccharides. <i>Journal of Biotechnology</i> , 2019, 290, 44-52.	3.8	4
92	The Regulation of Floral Colour Change in <i>Pleroma raddianum</i> (DC.) Gardner. <i>Molecules</i> , 2020, 25, 4664.	3.8	4
93	A Glycan Array-Based Assay for the Identification and Characterization of Plant Glycosyltransferases. <i>Angewandte Chemie</i> , 2020, 132, 12593-12598.	2.0	4
94	Synthesis and Stability Studies of β , β -Difluoro Ester Phospholipids. <i>European Journal of Organic Chemistry</i> , 2012, 2012, n/a-n/a.	2.4	3
95	Synthesis of Two Tetrasaccharide Pentenyl Glycosides Related to the Pectic Rhamnogalacturonan I Polysaccharide. <i>Molecules</i> , 2018, 23, 327.	3.8	3
96	α -Glycosides: synthesis of α -linked arabinoxylan oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2696-2701.	2.8	3
97	Observations on the Influence of Precursor Conformations on Macrocyclization Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1533-1540.	2.4	2
98	Convenient one-step synthesis of 5-carboxy-seminaphthofluoresceins. <i>Tetrahedron Letters</i> , 2017, 58, 1611-1615.	1.4	2
99	Implications of Byproduct Chemistry in Nanoparticle Synthesis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25402-25411.	3.1	2
100	Towards a Synthetic Strategy for the Ten Canonical Carrageenan Oligosaccharides – Synthesis of a Protected β -Carrageenan Tetrasaccharide. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3236-3243.	2.4	2
101	A Concise Total Synthesis of the Fungal Isoquinoline Alkaloid TMC-120B. <i>Molecules</i> , 2022, 27, 521.	3.8	2
102	Synthesis and evaluation of hydrogen peroxide sensitive tofacitinib prodrugs. <i>European Journal of Medicinal Chemistry Reports</i> , 2022, 4, 100019.	1.4	1
103	Sulochrins and alkaloids from a fennel endophyte <i>Aspergillus</i> sp. FVL2. <i>Natural Product Research</i> , 2021, , 1-11.	1.8	1
104	Enzyme-Triggered Anticancer Lipid Prodrugs. <i>Biophysical Journal</i> , 2011, 100, 218a.	0.5	0
105	Petasis/Diels-Alder/Cyclization Cascade Reactions for the Generation of Scaffolds with Multiple Stereogenic Centers and Orthogonal Handles for Library Production. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 6596-6596.	2.4	0
106	Frontispiece: Library Design Strategies To Accelerate Fragment-Based Drug Discovery. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
107	Frontispiz: The 3F Library: Fluorinated Fsp ³ -Rich Fragments for Expeditious ¹⁹ F-NMR Based Screening. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
108	Frontispiece: The 3F Library: Fluorinated Fsp ³ -Rich Fragments for Expeditious ¹⁹ F-NMR Based Screening. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	13.8	0

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109	Front Cover: Chemical Biology of Î±GalCer: A Chemist's Toolbox for the Stimulation of Invariant Natural Killer T (iNKT) Cells (Eur. J. Org. Chem. 26/2022). European Journal of Organic Chemistry, 2022, .	2.4	0