

Mads H Clausen

List of Publications by Year in descending order

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109
papers

4,613
citations

196777

29
h-index

124990

64
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115
all docs

115
docs citations

115
times ranked

7873
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and evaluation of hydrogen peroxide sensitive tofacitinib prodrugs. <i>European Journal of Medicinal Chemistry Reports</i> , 2022, 4, 100019.	0.6	1
2	A Concise Total Synthesis of the Fungal Isoquinoline Alkaloid TMC-120B. <i>Molecules</i> , 2022, 27, 521.	1.7	2
3	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.	2.9	5
4	Chemical Biology of GalCer: A Chemist's Toolbox for the Stimulation of Invariant Natural Killer T (iNKT) Cells. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	8
5	Cyclic Citrullinated Peptide Aptamer Treatment Attenuates Collagen-Induced Arthritis. <i>Biomacromolecules</i> , 2022, 23, 2126-2137.	2.6	6
6	Targeting undruggable carbohydrate recognition sites through focused fragment library design. <i>Communications Chemistry</i> , 2022, 5, .	2.0	9
7	Front Cover: Chemical Biology of GalCer: A Chemist's Toolbox for the Stimulation of Invariant Natural Killer T (iNKT) Cells (<i>Eur. J. Org. Chem.</i> 26/2022). <i>European Journal of Organic Chemistry</i> , 2022, .	1.2	0
8	A Pipeline towards the Biochemical Characterization of the Arabidopsis GT14 Family. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1360.	1.8	7
9	Small-Molecule Inhibitors of Reactive Oxygen Species Production. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5252-5275.	2.9	26
10	Rhamnogalacturonan II: Chemical Synthesis of a Substructure Including 2,3-Linked Kdo**. <i>Chemistry - A European Journal</i> , 2021, 27, 7099-7102.	1.7	6
11	ABC transporters export cutin precursors for the formation of the plant cuticle. <i>Current Biology</i> , 2021, 31, 2111-2123.e9.	1.8	28
12	Fragment-Based Drug Discovery for RNA Targets. <i>ChemMedChem</i> , 2021, 16, 2588-2603.	1.6	11
13	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
14	Sulochrins and alkaloids from a fennel endophyte <i>Aspergillus</i> sp. FVL2. <i>Natural Product Research</i> , 2021, , 1-11.	1.0	1
15	The 3F Library: Fluorinated Fsp ³ -Rich Fragments for Expeditious ¹⁹ F-NMR Based Screening. <i>Angewandte Chemie</i> , 2020, 132, 2224-2230.	1.6	10
16	The 3F Library: Fluorinated Fsp ³ -Rich Fragments for Expeditious ¹⁹ F-NMR Based Screening. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2204-2210.	7.2	49
17	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.	1.4	9
18	Azodyrecins A-C: Azoxides from a Soil-Derived <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2020, 83, 3519-3525.	1.5	11

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19	Microscale thermophoresis as a powerful tool for screening glycosyltransferases involved in cell wall biosynthesis. <i>Plant Methods</i> , 2020, 16, 99.	1.9	14
20	Frontispiece: Library Design Strategies To Accelerate Fragmentâ€Based Drug Discovery. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0
21	Multimodal soft tissue markers for bridging high-resolution diagnostic imaging with therapeutic intervention. <i>Science Advances</i> , 2020, 6, eabb5353.	4.7	8
22	The Regulation of Floral Colour Change in <i>Pleroma raddianum</i> (DC.) Gardner. <i>Molecules</i> , 2020, 25, 4664.	1.7	4
23	A Glycan Arrayâ€Based Assay for the Identification and Characterization of Plant Glycosyltransferases. <i>Angewandte Chemie</i> , 2020, 132, 12593-12598.	1.6	4
24	A Glycan Arrayâ€Based Assay for the Identification and Characterization of Plant Glycosyltransferases. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12493-12498.	7.2	22
25	<i>S</i> -Glycosides: synthesis of <i>S</i> -linked arabinoxylan oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2696-2701.	1.5	3
26	Frontispiz: The 3F Library: Fluorinated Fsp ³ â€Rich Fragments for Expeditious ¹⁹Fâ€NMR Based Screening. <i>Angewandte Chemie</i> , 2020, 132, .	1.6	0
27	Library Design Strategies To Accelerate Fragmentâ€Based Drug Discovery. <i>Chemistry - A European Journal</i> , 2020, 26, 11391-11403.	1.7	24
28	Frontispiece: The 3F Library: Fluorinated Fsp ³ â€Rich Fragments for Expeditious ¹⁹Fâ€NMR Based Screening. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	7.2	0
29	Synthesis and Oligomerization of 10,16â€Dihydroxyhexadecanoyl Esters with Different Headâ€Groups for the Study of CUS1 Selectivity. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5704-5708.	1.2	5
30	Implications of Byproduct Chemistry in Nanoparticle Synthesis. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25402-25411.	1.5	2
31	Prodrug strategies for targeted therapy triggered by reactive oxygen species. <i>MedChemComm</i> , 2019, 10, 1531-1549.	3.5	64
32	Towards a Synthetic Strategy for the Ten Canonical Carrageenan Oligosaccharides â€Synthesis of a Protected Î³â€Carrageenan Tetrasaccharide. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3236-3243.	1.2	2
33	Acylation of 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.	1.7	25
34	Substrate specificity of novel GH16 endo-Î²-(1â†3)-galactanases acting on linear and branched Î²-(1â†3)-galactooligosaccharides. <i>Journal of Biotechnology</i> , 2019, 290, 44-52.	1.9	4
35	EU-OPENSREEN: A Novel Collaborative Approach to Facilitate Chemical Biology. <i>SLAS Discovery</i> , 2019, 24, 398-413.	1.4	12
36	Generation of a Heteropolycyclic and sp ³ â€Rich Scaffold for Library Synthesis from a Highly Diastereoselective Petasis/Dielsâ€Alder and ROMâ€RCM Reaction Sequence. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1061-1076.	1.2	7

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37	Bifunctional glycosyltransferases catalyze both extension and termination of pectic galactan oligosaccharides. <i>Plant Journal</i> , 2018, 94, 340-351.	2.8	27
38	Synthesis of branched and linear 1,4-linked galactan oligosaccharides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1157-1162.	1.5	5
39	Iridium catalysis: reductive conversion of glucan to xylan. <i>Chemical Communications</i> , 2018, 54, 952-955.	2.2	6
40	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.	1.2	9
41	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.	2.9	51
42	Injectable iodine-125 labeled tissue marker for radioactive localization of non-palpable breast lesions. <i>Acta Biomaterialia</i> , 2018, 65, 197-202.	4.1	9
43	Branched Pectic Galactan in Phloem-Sieve-Element Cell Walls: Implications for Cell Mechanics. <i>Plant Physiology</i> , 2018, 176, 1547-1558.	2.3	58
44	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.	4.6	24
45	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.	1.2	0
46	The Three Members of the Arabidopsis Glycosyltransferase Family 92 are Functional β -1,4-Galactan Synthases. <i>Plant and Cell Physiology</i> , 2018, 59, 2624-2636.	1.5	35
47	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.	2.6	22
48	Synthesis of Two Tetrasaccharide Pentenyl Glycosides Related to the Pectic Rhamnogalacturonan I Polysaccharide. <i>Molecules</i> , 2018, 23, 327.	1.7	3
49	Synthesis and formulation studies of griseofulvin analogues with improved solubility and metabolic stability. <i>European Journal of Medicinal Chemistry</i> , 2017, 130, 240-247.	2.6	14
50	Convergent strategy for the synthesis of S-linked oligoxylans. <i>Carbohydrate Research</i> , 2017, 443-444, 53-57.	1.1	5
51	Convenient one-step synthesis of 5-carboxy-seminaphthofluoresceins. <i>Tetrahedron Letters</i> , 2017, 58, 1611-1615.	0.7	2
52	A Synthetic Glycan Microarray Enables Epitope Mapping of Plant Cell Wall Glycan-Directed Antibodies. <i>Plant Physiology</i> , 2017, 175, 1094-1104.	2.3	117
53	Chemical Synthesis of Oligosaccharides Related to the Cell Walls of Plants and Algae. <i>Chemical Reviews</i> , 2017, 117, 11337-11405.	23.0	66
54	Synthesis and Application of Branched Type II Arabinogalactans. <i>Journal of Organic Chemistry</i> , 2017, 82, 12066-12084.	1.7	11

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55	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.	2.2	10
56	Synthesis of 1,4-Linked Galactan Side Chains of Rhamnogalacturonan...I. <i>Chemistry - A European Journal</i> , 2016, 22, 11543-11548.	1.7	22
57	Characterization of the LM5 pectic galactan epitope with synthetic analogues of ̢-1,4-d-galactotetraose. <i>Carbohydrate Research</i> , 2016, 436, 36-40.	1.1	27
58	Tandem Mannich/Diels-Alder reactions for the synthesis of indole compound libraries. <i>RSC Advances</i> , 2016, 6, 46654-46657.	1.7	11
59	Strategies for improving the solubility and metabolic stability of griseofulvin analogues. <i>European Journal of Medicinal Chemistry</i> , 2016, 116, 210-215.	2.6	13
60	Synthesis of sp ³ -rich scaffolds for molecular libraries through complexity-generating cascade reactions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4943-4946.	1.5	30
61	Observations on the Influence of Precursor Conformations on Macrocyclization Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1533-1540.	1.2	2
62	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.	1.5	11
63	Small-molecule kinase inhibitors: an analysis of FDA-approved drugs. <i>Drug Discovery Today</i> , 2016, 21, 5-10.	3.2	383
64	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.	1.2	10
65	Synthesis of (Arylamido)pyrrolidinone Libraries through Ritter-Type Cascade Reactions of Dihydroxylactams. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5633-5639.	1.2	16
66	Reductive Cyclization and Petasis-Like Reaction for the Synthesis of Functionalized ̢-Lactams. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2346-2350.	1.2	14
67	Injectable Colloidal Gold for Use in Intrafractional 2D Image-Guided Radiation Therapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 856-863.	3.9	29
68	Synthesis of 1,4,5 trisubstituted ̢-lactams via a 3-component cascade reaction. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2695-2698.	1.4	15
69	FDA-approved small-molecule kinase inhibitors. <i>Trends in Pharmacological Sciences</i> , 2015, 36, 422-439.	4.0	794
70	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.	1.4	16
71	Allosteric small-molecule kinase inhibitors. , 2015, 156, 59-68.		166
72	A hydrogel based nanosensor with an unprecedented broad sensitivity range for pH measurements in cellular compartments. <i>Analyst, The</i> , 2015, 140, 7246-7253.	1.7	18

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73	The Chemistry of Griseofulvin. <i>Chemical Reviews</i> , 2014, 114, 12088-12107.	23.0	101
74	Tracking developmentally regulated post-synthetic processing of homogalacturonan and chitin using reciprocal oligosaccharide probes. <i>Development (Cambridge)</i> , 2014, 141, 4841-4850.	1.2	88
75	Propargylamine- α -isothiocyanate reaction: efficient conjugation chemistry in aqueous media. <i>Chemical Communications</i> , 2014, 50, 7800-7802.	2.2	14
76	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.	1.3	40
77	<i>Tomato Cutin De</i> efficient 1 (<i>CD</i> 1) and putative orthologs comprise an ancient family of cutin synthase-like (<i>CUS</i>) proteins that are conserved among land plants. <i>Plant Journal</i> , 2014, 77, 667-675.	2.8	114
78	Synthesis of a Backbone Hexasaccharide Fragment of the Pectic Polysaccharide Rhamnogalacturonan I. <i>Organic Letters</i> , 2013, 15, 1826-1829.	2.4	13
79	A Mild Method for Regioselective Labeling of Aromatics with Radioactive Iodine. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3970-3973.	1.2	10
80	Pectin Biosynthesis: <i>GALS1</i> in <i>Arabidopsis thaliana</i> Is a β -1,4-Galactan β -1,4-Galactosyltransferase β . <i>Plant Cell</i> , 2013, 24, 5024-5036.	3.1	125
81	Synthesis and Stability Studies of β , β -Difluoro Ester Phospholipids. <i>European Journal of Organic Chemistry</i> , 2012, 2012, n/a-n/a.	1.2	3
82	The identification of cutin synthase: formation of the plant polyester cutin. <i>Nature Chemical Biology</i> , 2012, 8, 609-611.	3.9	186
83	Carbohydrate Microarrays in Plant Science. <i>Methods in Molecular Biology</i> , 2012, 918, 351-362.	0.4	15
84	Versatile High Resolution Oligosaccharide Microarrays for Plant Glycobiology and Cell Wall Research. <i>Journal of Biological Chemistry</i> , 2012, 287, 39429-39438.	1.6	207
85	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.	2.9	44
86	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.	0.4	64
87	Synthesis of tocopheryl succinate phospholipid conjugates and monitoring of phospholipase A2 activity. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 3972-3978.	1.4	6
88	Selective Acylation Enhances Membrane Charge Sensitivity of the Antimicrobial Peptide Mastoparan-X. <i>Biophysical Journal</i> , 2011, 100, 399-409.	0.2	29
89	Enzyme-Triggered Anticancer Lipid Prodrugs. <i>Biophysical Journal</i> , 2011, 100, 218a.	0.2	0
90	(+)-Geodin from <i>Aspergillus terreus</i> . <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, o125-o128.	0.4	11

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91	Biologically Active Macrocyclic Compounds " from Natural Products to Diversity-Oriented Synthesis. European Journal of Organic Chemistry, 2011, 2011, 3107-3115.	1.2	80
92	Isomerization of all-trans-retinoic Acid Mediated by Carbodiimide Activation " Synthesis of ATRA Ether Lipid Conjugates. European Journal of Organic Chemistry, 2010, 2010, 719-724.	1.2	12
93	Synthesis of new diverse macrocycles from diol precursors. Tetrahedron, 2010, 66, 9849-9859.	1.0	9
94	Synthesis and single crystal X-ray analysis of two griseofulvin metabolites. Tetrahedron Letters, 2010, 51, 5881-5882.	0.7	13
95	Prostaglandin phospholipid conjugates with unusual biophysical and cytotoxic properties. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4456-4458.	1.0	17
96	Liposomal Formulation of Retinoids Designed for Enzyme Triggered Release. Journal of Medicinal Chemistry, 2010, 53, 3782-3792.	2.9	77
97	Structural Insights into Substrate Specificity and the anti- β -Elimination Mechanism of Pectate Lyase. Biochemistry, 2010, 49, 539-546.	1.2	46
98	Rapid synthesis of macrocycles from diol precursors. Tetrahedron Letters, 2009, 50, 693-695.	0.7	11
99	Synthesis and Structure-Activity Relationship of Griseofulvin Analogues as Inhibitors of Centrosomal Clustering in Cancer Cells. Journal of Medicinal Chemistry, 2009, 52, 3342-3347.	2.9	64
100	Synthesis and Biophysical Characterization of Chlorambucil Anticancer Ether Lipid Prodrugs. Journal of Medicinal Chemistry, 2009, 52, 3408-3415.	2.9	72
101	Structural characterization of homogalacturonan by NMR spectroscopy " assignment of reference compounds. Carbohydrate Research, 2008, 343, 2830-2833.	1.1	75
102	Regio- and stereoselective hydrosilylation of immobilized terminal alkynes. Tetrahedron Letters, 2008, 49, 6220-6223.	0.7	6
103	Identification of Griseofulvin as an Inhibitor of Centrosomal Clustering in a Phenotype-Based Screen. Cancer Research, 2007, 67, 6342-6350.	0.4	166
104	Study of the mode of action of a polygalacturonase from the phytopathogen Burkholderia cepacia. Biochemical Journal, 2007, 407, 207-217.	1.7	8
105	A monoclonal antibody to feruloylated-(1 \rightarrow 4)-D-galactan. Planta, 2004, 219, 1036-1041.	1.6	40
106	Synthesis of oligogalacturonates conjugated to BSA. Carbohydrate Research, 2004, 339, 2159-2169.	1.1	24
107	Synthesis of Hexasaccharide Fragments of Pectin. Chemistry - A European Journal, 2003, 9, 3821-3832.	1.7	52
108	Synthetic methyl hexagalacturonate hapten inhibitors of anti-homogalacturonan monoclonal antibodies LM7, JIM5 and JIM7. Carbohydrate Research, 2003, 338, 1797-1800.	1.1	277

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109	A strategy for chemical synthesis of selectively methyl-esterified oligomers of galacturonic acid. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 543-551.	1.3	48