Assocâ€prof Thomas B Poulsen

List of Publications by Year
in descending order

70 papers	4,117 citations	185998 28 h-index	114278 63 g-index
100 all docs	100 docs citations	100 times ranked	4505 citing authors

#	Article	IF	Citations
1	Forward Chemical Genetic Screen for OxygenâEDependent Cytotoxins Uncovers New Covalent Fragments that Target GPX4. ChemBioChem, 2022, 23, .	1.3	5
2	The synthetic triterpenoids CDDO-TFEA and CDDO-Me, but not CDDO, promote nuclear exclusion of BACH1 impairing its activity. Redox Biology, 2022, 51, 102291.	3.9	12
3	Triculamin: An Unusual Lasso Peptide with Potent Antimycobacterial Activity. Journal of Natural Products, 2022, 85, 1514-1521.	1.5	7
4	Ionophore antibiotic X-206 is a potent inhibitor of SARS-CoV-2 infection in vitro. Antiviral Research, 2021, 185, 104988.	1.9	18
5	Expanding the antibacterial selectivity of polyether ionophore antibiotics through diversity-focused semisynthesis. Nature Chemistry, 2021, 13, 47-55.	6.6	21
6	Titelbild: Concise Asymmetric Syntheses of Streptazoneâ€…A and Abikoviromycin (Angew. Chem. 19/2021). Angewandte Chemie, 2021, 133, 10525-10525.	1.6	0
7	Concise Asymmetric Syntheses of Streptazoneâ€…A and Abikoviromycin**. Angewandte Chemie, 2021, 133, 10615-10619.	1.6	2
8	Photophysics of a protein-bound derivative of malachite green that sensitizes the production of singlet oxygen. Photochemical and Photobiological Sciences, 2021, 20, 435-449.	1.6	5
9	Total Synthesis of Natural Products Containing Enamine or Enol Ether Derivatives. Accounts of Chemical Research, 2021, 54, 1830-1842.	7.6	28
10	Concise Asymmetric Syntheses of Streptazoneâ€…A and Abikoviromycin**. Angewandte Chemie - International Edition, 2021, 60, 10521-10525.	7.2	9
11	Organocatalytic Asymmetric Multicomponent Cascade Reaction for the Synthesis of Contiguously Substituted Tetrahydronaphthols. Journal of the American Chemical Society, 2021, 143, 8208-8220.	6.6	16
12	Macrodiolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGASâ€STING Pathway. Angewandte Chemie, 2021, 133, 18882-18889.	1.6	0
13	Macrodiolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGASâ€STING Pathway. Angewandte Chemie - International Edition, 2021, 60, 18734-18741.	7.2	5
14	On the origin of the blind chicken molecule. Nature Chemistry, 2020, 12, 2-3.	6.6	1
15	SARS-CoV2-mediated suppression of NRF2-signaling reveals potent antiviral and anti-inflammatory activity of 4-octyl-itaconate and dimethyl fumarate. Nature Communications, 2020, 11, 4938.	5.8	272
16	Lasalocid Acid Antibiotic at a Membrane Surface Probed by Sum Frequency Generation Spectroscopy. Langmuir, 2020, 36, 3184-3192.	1.6	21
17	Structure and Function of the Bacterial Protein Toxin Phenomycin. Structure, 2020, 28, 528-539.e9.	1.6	2
18	Dehydration reactions in polyfunctional natural products. Natural Product Reports, 2020, 37, 1043-1064.	5.2	22

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19	A Cyclopropene Electrophile that Targets Glutathione Sâ€Transferase Omegaâ€1 in Cells. Angewandte Chemie - International Edition, 2019, 58, 11918-11922.	7.2	17
20	A Cyclopropene Electrophile that Targets Glutathione Sâ€Transferase Omegaâ€1 in Cells. Angewandte Chemie, 2019, 131, 12044-12048.	1.6	3
21	Chemische Synthesen und chemische Biologie von Carboxylpolyetherâ€Ionophoren: Aktuelle Entwicklungen. Angewandte Chemie, 2019, 131, 13764-13777.	1.6	13
22	Chemical Syntheses and Chemical Biology of Carboxyl Polyether Ionophores: Recent Highlights. Angewandte Chemie - International Edition, 2019, 58, 13630-13642.	7.2	44
23	Establishing cell painting in a smaller chemical biology lab â€“ A report from the frontier. Bioorganic and Medicinal Chemistry, 2019, 27, 2609-2615.	1.4	18
24	STEFs: Activated Vinylogous Proteinâ€Reactive Electrophiles. Angewandte Chemie - International Edition, 2019, 58, 3533-3537.	7.2	29
25	STEFs: Activated Vinylogous Proteinâ€Reactive Electrophiles. Angewandte Chemie, 2019, 131, 3571-3575.	1.6	8
26	Stendomycin and Pantomycin Are Identical Natural Products: Preparation of a Functionalized Bioactive Analogue. Journal of Organic Chemistry, 2018, 83, 7303-7308.	1.7	4
27	A Catalytic Oxidative Quinone Heterofunctionalization Method: Synthesis of Strongylophorineâ€26. Angewandte Chemie, 2018, 130, 9953-9957.	1.6	12
28	Catalytic Asymmetric [4+2]â€Cycloadditions Using Tropolones: Developments, Scope, Transformations, and Bioactivity. Angewandte Chemie, 2018, 130, 13400-13404.	1.6	2
29	Nrf2 negatively regulates STING indicating a link between antiviral sensing and metabolic reprogramming. Nature Communications, 2018, 9, 3506.	5.8	192
30	APD-Containing Cyclolipodepsipeptides Target Mitochondrial Function in Hypoxic Cancer Cells. Cell Chemical Biology, 2018, 25, 1337-1349.e12.	2.5	27
31	Catalytic Asymmetric [4+2]â€Cycloadditions Using Tropolones: Developments, Scope, Transformations, and Bioactivity. Angewandte Chemie - International Edition, 2018, 57, 13216-13220.	7.2	20
32	A Catalytic Oxidative Quinone Heterofunctionalization Method: Synthesis of Strongylophorineâ€26. Angewandte Chemie - International Edition, 2018, 57, 9805-9809.	7.2	32
33	ReactELISA: Monitoring a Carbon Nucleophilic Metabolite by ELISAâ€"a Study of Lipid Metabolism. Analytical Chemistry, 2017, 89, 5066-5071.	3.2	10
34	Ketone Body Acetoacetate Buffers Methylglyoxal via a Non-enzymatic Conversion during Diabetic and Dietary Ketosis. Cell Chemical Biology, 2017, 24, 935-943.e7.	2.5	32
35	Synthesis of ent-BE-43547A1 reveals a potent hypoxia-selective anticancer agent and uncovers the biosynthetic origin of the APD-CLD natural products. Nature Chemistry, 2017, 9, 264-272.	6.6	52
36	A Concise Route to the Strongylophorines. Angewandte Chemie, 2016, 128, 8434-8438.	1.6	4

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37	A Concise Route to the Strongylophorines. Angewandte Chemie - International Edition, 2016, 55, 8294-8298.	7.2	20
38	Total Synthesis and Biological Evaluation of Rakicidinâ€...A and Discovery of a Simplified Bioactive Analogue. Angewandte Chemie, 2016, 128, 1042-1047.	1.6	12
39	Binding Sites for Acylated Trehalose Analogs of Glycolipid Ligands on an Extended Carbohydrate Recognition Domain of the Macrophage Receptor Mincle. Journal of Biological Chemistry, 2016, 291, 21222-21233.	1.6	58
40	The Rakicidin Family of Anticancer Natural Products â€“ Synthetic Strategies towards a New Class of Hypoxia-Selective Cytotoxins. Synlett, 2016, 27, 1898-1906.	1.0	20
41	Total Synthesis and Biological Evaluation of Rakicidinâ€...A and Discovery of a Simplified Bioactive Analogue. Angewandte Chemie - International Edition, 2016, 55, 1030-1035.	7.2	52
42	Npys-Mediated Elimination Reactions of Alcohols and Thiols: A Facile Route to Dehydroalanine and Dehydrobutyrine Building Blocks. Synlett, 2015, 26, 2697-2701.	1.0	8
43	Ester coupling reactions â€“ an enduring challenge in the chemical synthesis of bioactive natural products. Natural Product Reports, 2015, 32, 605-632.	5.2	155
44	The amido-pentadienoate-functionality of the rakicidins is a thiol reactive electrophile â€“ development of a general synthetic strategy. Chemical Communications, 2015, 51, 12427-12430.	2.2	22
45	The natural product brartemicin is a high affinity ligand for the carbohydrate-recognition domain of the macrophage receptor mincle. MedChemComm, 2015, 6, 647-652.	3.5	30
46	Ethnomedicinal survey and in vitro anti-plasmodial activity of the palm Borassus aethiopum Mart. Journal of Ethnopharmacology, 2015, 175, 356-369.	2.0	11
47	A concise route to the macrocyclic core of the rakicidins. Chemical Communications, 2011, 47, 12837.	2.2	22
48	Natural products reveal cancer cell dependence on oxysterol-binding proteins. Nature Chemical Biology, 2011, 7, 639-647.	3.9	215
49	Manipulating the Torsion of Molecules by Strong Laser Pulses. Physical Review Letters, 2009, 102, 073007.	2.9	102
50	A combined experimental and theoretical study on realizing and using laser controlled torsion of molecules. Journal of Chemical Physics, 2009, 130, 234310.	1.2	55
51	Organocatalytic Asymmetric Desymmetrizationâ€“Fragmentation of Cyclic Ketones. Angewandte Chemie - International Edition, 2009, 48, 6650-6653.	7.2	77
52	Organocatalysis with endogenous compounds: Towards novel non-enzymatic reactions. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3888-3891.	1.0	16
53	Organocatalytic Asymmetric Synthesis of Versatile Î³â€Ł-lactams. Angewandte Chemie - International Edition, 2008, 47, 4687-4690.	7.2	41
54	Catalytic Asymmetric Friedelâ€'Crafts Alkylation Reactionsâ€”Copper Showed the Way. Chemical Reviews, 2008, 108, 2903-2915.	23.0	706

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55	Enantioselective organocatalytic substitution of Î±-cyanoacetates on imidoyl chlorides â€“ synthesis of optically active ketimines. Chemical Communications, 2007, , 5155.	2.2	17
56	Organocatalytic Enantioselective Nucleophilic Vinylic Substitution by Î±-Substituted-Î±-Cyanoacetates under Phase-Transfer Conditions. Journal of Organic Chemistry, 2007, 72, 3053-3056.	1.7	36
57	Organocatalytic Asymmetric Direct Î±-Alkynylation of Cyclic Î²-Ketoesters. Journal of the American Chemical Society, 2007, 129, 441-449.	6.6	153
58	Intriguing Behavior of Cinchona Alkaloids in the Enantioselective Organocatalytic Hydroxyamination of Î±-Substituted-Î±-cyanoacetates. Journal of Organic Chemistry, 2007, 72, 7062-7065.	1.7	50
59	Organocatalytic asymmetric allylic carbonâ€“carbon bond formation. Organic and Biomolecular Chemistry, 2006, 4, 63-70.	1.5	76
60	Direct Organocatalytic and Highly Enantio- and Diastereoselective Mannich Reactions of Î±-Substituted Î±-Cyanoacetates.. ChemInform, 2006, 37, no.	0.1	0
61	A Versatile Catalyst for Asymmetric Reactions of Carbonyl Groups Working Purely by Activation Through Hydrogen Bonding: Mukaiyama Aldol, hetero-Dielsâ€”Alder and Friedelâ€”Crafts Reactions.. ChemInform, 2006, 37, no.	0.1	0
62	Organocatalytic Enantioselective Nucleophilic Vinylic Substitution. Angewandte Chemie - International Edition, 2006, 45, 6551-6554.	7.2	110
63	Direct Organocatalytic and Highly Enantio- and Diastereoselective Mannich Reactions of Î±-Substituted Î±-Cyanoacetates. Angewandte Chemie - International Edition, 2005, 44, 2896-2899.	7.2	143
64	Asymmetric Organocatalytic Epoxidation of Î±,Î²-Unsaturated Aldehydes with Hydrogen Peroxide.. ChemInform, 2005, 36, no.	0.1	0
65	Enantioselective Organocatalytic Allylic Amination.. ChemInform, 2005, 36, no.	0.1	0
66	Enantioselective Organocatalytic Allylic Amination. Journal of the American Chemical Society, 2005, 127, 11614-11615.	6.6	141
67	A versatile catalyst for asymmetric reactions of carbonyl groups working purely by activation through hydrogen bonding: Mukaiyama-aldol, hetero Dielsâ€“Alder and Friedelâ€“Crafts reactions. Organic and Biomolecular Chemistry, 2005, 3, 3284.	1.5	112
68	Asymmetric Organocatalytic Epoxidation of Î±,Î²-Unsaturated Aldehydes with Hydrogen Peroxide. Journal of the American Chemical Society, 2005, 127, 6964-6965.	6.6	441
69	Direct catalytic asymmetric aldol reactions of pyruvates: scope and mechanism. Organic and Biomolecular Chemistry, 2004, 2, 1077-1085.	1.5	72
70	The [4.3.0] piperidine alkaloids: architectures, biology, biosyntheses and the complete details of the asymmetric syntheses of streptazone A and abikoviromycin. Synlett, 0, , .	1.0	2