

Assocâ€™prof Thomas B Poulsen

List of Publications by Year in descending order

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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	Catalytic Asymmetric Friedel-Crafts Alkylation Reactions—Copper Showed the Way. <i>Chemical Reviews</i> , 2008, 108, 2903-2915.	23.0	706
2	Asymmetric Organocatalytic Epoxidation of α,β -Unsaturated Aldehydes with Hydrogen Peroxide. <i>Journal of the American Chemical Society</i> , 2005, 127, 6964-6965.	6.6	441
3	SARS-CoV2-mediated suppression of NRF2-signaling reveals potent antiviral and anti-inflammatory activity of 4-octyl-itaconate and dimethyl fumarate. <i>Nature Communications</i> , 2020, 11, 4938.	5.8	272
4	Natural products reveal cancer cell dependence on oxysterol-binding proteins. <i>Nature Chemical Biology</i> , 2011, 7, 639-647.	3.9	215
5	Nrf2 negatively regulates STING indicating a link between antiviral sensing and metabolic reprogramming. <i>Nature Communications</i> , 2018, 9, 3506.	5.8	192
6	Ester coupling reactions — an enduring challenge in the chemical synthesis of bioactive natural products. <i>Natural Product Reports</i> , 2015, 32, 605-632.	5.2	155
7	Organocatalytic Asymmetric Direct α -Alkynylation of Cyclic β -Ketoesters. <i>Journal of the American Chemical Society</i> , 2007, 129, 441-449.	6.6	153
8	Direct Organocatalytic and Highly Enantio- and Diastereoselective Mannich Reactions of α -Substituted α -Cyanoacetates. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2896-2899.	7.2	143
9	Enantioselective Organocatalytic Allylic Amination. <i>Journal of the American Chemical Society</i> , 2005, 127, 11614-11615.	6.6	141
10	A versatile catalyst for asymmetric reactions of carbonyl groups working purely by activation through hydrogen bonding: Mukaiyama-aldol, hetero Diels-Alder and Friedel-Crafts reactions. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3284.	1.5	112
11	Organocatalytic Enantioselective Nucleophilic Vinylic Substitution. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6551-6554.	7.2	110
12	Manipulating the Torsion of Molecules by Strong Laser Pulses. <i>Physical Review Letters</i> , 2009, 102, 073007.	2.9	102
13	Organocatalytic Asymmetric Desymmetrization—Fragmentation of Cyclic Ketones. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6650-6653.	7.2	77
14	Organocatalytic asymmetric allylic carbon—carbon bond formation. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 63-70.	1.5	76
15	Direct catalytic asymmetric aldol reactions of pyruvates: scope and mechanism. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1077-1085.	1.5	72
16	Binding Sites for Acylated Trehalose Analogs of Glycolipid Ligands on an Extended Carbohydrate Recognition Domain of the Macrophage Receptor Mincle. <i>Journal of Biological Chemistry</i> , 2016, 291, 21222-21233.	1.6	58
17	A combined experimental and theoretical study on realizing and using laser controlled torsion of molecules. <i>Journal of Chemical Physics</i> , 2009, 130, 234310.	1.2	55
18	Total Synthesis and Biological Evaluation of Rakicidin—A and Discovery of a Simplified Bioactive Analogue. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1030-1035.	7.2	52

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19	Synthesis of ent-BE-43547A1 reveals a potent hypoxia-selective anticancer agent and uncovers the biosynthetic origin of the APD-CLD natural products. <i>Nature Chemistry</i> , 2017, 9, 264-272.	6.6	52
20	Intriguing Behavior of Cinchona Alkaloids in the Enantioselective Organocatalytic Hydroxyamination of β -Substituted β -cyanoacetates. <i>Journal of Organic Chemistry</i> , 2007, 72, 7062-7065.	1.7	50
21	Chemical Syntheses and Chemical Biology of Carboxyl Polyether Ionophores: Recent Highlights. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13630-13642.	7.2	44
22	Organocatalytic Asymmetric Synthesis of Versatile β -Lactams. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4687-4690.	7.2	41
23	Organocatalytic Enantioselective Nucleophilic Vinylic Substitution by β -Substituted β -Cyanoacetates under Phase-Transfer Conditions. <i>Journal of Organic Chemistry</i> , 2007, 72, 3053-3056.	1.7	36
24	Ketone Body Acetoacetate Buffers Methylglyoxal via a Non-enzymatic Conversion during Diabetic and Dietary Ketosis. <i>Cell Chemical Biology</i> , 2017, 24, 935-943.e7.	2.5	32
25	A Catalytic Oxidative Quinone Heterofunctionalization Method: Synthesis of Strongylophorine 26. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9805-9809.	7.2	32
26	The natural product brartemicin is a high affinity ligand for the carbohydrate-recognition domain of the macrophage receptor mincle. <i>MedChemComm</i> , 2015, 6, 647-652.	3.5	30
27	STEFs: Activated Vinylogous Protein-reactive Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3533-3537.	7.2	29
28	Total Synthesis of Natural Products Containing Enamine or Enol Ether Derivatives. <i>Accounts of Chemical Research</i> , 2021, 54, 1830-1842.	7.6	28
29	APD-Containing Cyclolipopeptides Target Mitochondrial Function in Hypoxic Cancer Cells. <i>Cell Chemical Biology</i> , 2018, 25, 1337-1349.e12.	2.5	27
30	A concise route to the macrocyclic core of the rakicidins. <i>Chemical Communications</i> , 2011, 47, 12837.	2.2	22
31	The amido-pentadienoate-functionality of the rakicidins is a thiol reactive electrophile – development of a general synthetic strategy. <i>Chemical Communications</i> , 2015, 51, 12427-12430.	2.2	22
32	Dehydration reactions in polyfunctional natural products. <i>Natural Product Reports</i> , 2020, 37, 1043-1064.	5.2	22
33	Lasalocid Acid Antibiotic at a Membrane Surface Probed by Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2020, 36, 3184-3192.	1.6	21
34	Expanding the antibacterial selectivity of polyether ionophore antibiotics through diversity-focused semisynthesis. <i>Nature Chemistry</i> , 2021, 13, 47-55.	6.6	21
35	A Concise Route to the Strongylophorines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8294-8298.	7.2	20
36	The Rakicidin Family of Anticancer Natural Products – Synthetic Strategies towards a New Class of Hypoxia-Selective Cytotoxins. <i>Synlett</i> , 2016, 27, 1898-1906.	1.0	20

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37	Catalytic Asymmetric [4+2] Cycloadditions Using Tropolones: Developments, Scope, Transformations, and Bioactivity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13216-13220.	7.2	20
38	Establishing cell painting in a smaller chemical biology lab – A report from the frontier. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2609-2615.	1.4	18
39	Ionophore antibiotic X-206 is a potent inhibitor of SARS-CoV-2 infection in vitro. <i>Antiviral Research</i> , 2021, 185, 104988.	1.9	18
40	Enantioselective organocatalytic substitution of \pm -cyanoacetates on imidoyl chlorides – synthesis of optically active ketimines. <i>Chemical Communications</i> , 2007, , 5155.	2.2	17
41	A Cyclopropene Electrophile that Targets Glutathione S-Transferase Omega ϵ 1 in Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11918-11922.	7.2	17
42	Organocatalysis with endogenous compounds: Towards novel non-enzymatic reactions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3888-3891.	1.0	16
43	Organocatalytic Asymmetric Multicomponent Cascade Reaction for the Synthesis of Contiguously Substituted Tetrahydronaphthols. <i>Journal of the American Chemical Society</i> , 2021, 143, 8208-8220.	6.6	16
44	Chemische Synthesen und chemische Biologie von Carboxylpolyether-Ionophoren: Aktuelle Entwicklungen. <i>Angewandte Chemie</i> , 2019, 131, 13764-13777.	1.6	13
45	Total Synthesis and Biological Evaluation of Rakicidin...A and Discovery of a Simplified Bioactive Analogue. <i>Angewandte Chemie</i> , 2016, 128, 1042-1047.	1.6	12
46	A Catalytic Oxidative Quinone Heterofunctionalization Method: Synthesis of Strongylophorine ϵ 26. <i>Angewandte Chemie</i> , 2018, 130, 9953-9957.	1.6	12
47	The synthetic triterpenoids CDDO-TFEA and CDDO-Me, but not CDDO, promote nuclear exclusion of BACH1 impairing its activity. <i>Redox Biology</i> , 2022, 51, 102291.	3.9	12
48	Ethnomedicinal survey and in vitro anti-plasmodial activity of the palm <i>Borassus aethiopicum</i> Mart. <i>Journal of Ethnopharmacology</i> , 2015, 175, 356-369.	2.0	11
49	ReactELISA: Monitoring a Carbon Nucleophilic Metabolite by ELISA – a Study of Lipid Metabolism. <i>Analytical Chemistry</i> , 2017, 89, 5066-5071.	3.2	10
50	Concise Asymmetric Syntheses of Streptazone...A and Abikoviromycin**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10521-10525.	7.2	9
51	Npys-Mediated Elimination Reactions of Alcohols and Thiols: A Facile Route to Dehydroalanine and Dehydrobutyrine Building Blocks. <i>Synlett</i> , 2015, 26, 2697-2701.	1.0	8
52	STEFs: Activated Vinyllogous Protein-Reactive Electrophiles. <i>Angewandte Chemie</i> , 2019, 131, 3571-3575.	1.6	8
53	Triculamin: An Unusual Lasso Peptide with Potent Antimycobacterial Activity. <i>Journal of Natural Products</i> , 2022, 85, 1514-1521.	1.5	7
54	Photophysics of a protein-bound derivative of malachite green that sensitizes the production of singlet oxygen. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 435-449.	1.6	5

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55	Forward Chemical Genetic Screen for Oxygen-Dependent Cytotoxins Uncovers New Covalent Fragments that Target GPX4. <i>ChemBioChem</i> , 2022, 23, .	1.3	5
56	Macrolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGAS-STING Pathway. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18734-18741.	7.2	5
57	A Concise Route to the Strongylophorines. <i>Angewandte Chemie</i> , 2016, 128, 8434-8438.	1.6	4
58	Stendomycin and Pantomycin Are Identical Natural Products: Preparation of a Functionalized Bioactive Analogue. <i>Journal of Organic Chemistry</i> , 2018, 83, 7303-7308.	1.7	4
59	A Cyclopropene Electrophile that Targets Glutathione S-Transferase Omega-1 in Cells. <i>Angewandte Chemie</i> , 2019, 131, 12044-12048.	1.6	3
60	Catalytic Asymmetric [4+2]-Cycloadditions Using Tropolones: Developments, Scope, Transformations, and Bioactivity. <i>Angewandte Chemie</i> , 2018, 130, 13400-13404.	1.6	2
61	Structure and Function of the Bacterial Protein Toxin Phenomycin. <i>Structure</i> , 2020, 28, 528-539.e9.	1.6	2
62	Concise Asymmetric Syntheses of Streptazone A and Abikoviromycin**. <i>Angewandte Chemie</i> , 2021, 133, 10615-10619.	1.6	2
63	The [4.3.0] piperidine alkaloids: architectures, biology, biosyntheses and the complete details of the asymmetric syntheses of streptazone A and abikoviromycin. <i>Synlett</i> , 0, , .	1.0	2
64	On the origin of the blind chicken molecule. <i>Nature Chemistry</i> , 2020, 12, 2-3.	6.6	1
65	Asymmetric Organocatalytic Epoxidation of α,β -Unsaturated Aldehydes with Hydrogen Peroxide.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
66	Enantioselective Organocatalytic Allylic Amination.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
67	Direct Organocatalytic and Highly Enantio- and Diastereoselective Mannich Reactions of α -Substituted α -Cyanoacetates.. <i>ChemInform</i> , 2006, 37, no.	0.1	0
68	A Versatile Catalyst for Asymmetric Reactions of Carbonyl Groups Working Purely by Activation Through Hydrogen Bonding: Mukaiyama Aldol, hetero-Diels-Alder and Friedel-Crafts Reactions.. <i>ChemInform</i> , 2006, 37, no.	0.1	0
69	Titelbild: Concise Asymmetric Syntheses of Streptazone A and Abikoviromycin (<i>Angew. Chem.</i> 19/2021). <i>Angewandte Chemie</i> , 2021, 133, 10525-10525.	1.6	0
70	Macrolide Diversification Reveals Broad Immunosuppressive Activity That Impairs the cGAS-STING Pathway. <i>Angewandte Chemie</i> , 2021, 133, 18882-18889.	1.6	0