

Thomas Eiland Nielsen

List of Publications by Year in descending order

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52
papers

2,391
citations

279798

23
h-index

214800

47
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55
all docs

55
docs citations

55
times ranked

3094
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-phase synthesis and biological evaluation of piperazine-based novel bacterial topoisomerase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 57, 128499.	2.2	1
2	SAR study of 4-aryloxy-3,5-diamino-1 <i>H</i> -pyrazoles: identification of small molecules that induce dispersal of <i>Pseudomonas aeruginosa</i> biofilms. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1868-1878.	3.9	4
3	Identification of small molecules that interfere with c-di-GMP signaling and induce dispersal of <i>Pseudomonas aeruginosa</i> biofilms. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 59.	6.4	37
4	Small Molecule Anti-biofilm Agents Developed on the Basis of Mechanistic Understanding of Biofilm Formation. <i>Frontiers in Chemistry</i> , 2019, 7, 742.	3.6	70
5	Reactivity and Synthetic Applications of Multicomponent Petasis Reactions. <i>Chemical Reviews</i> , 2019, 119, 11245-11290.	47.7	173
6	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
7	Combination Therapy Strategy of Quorum Quenching Enzyme and Quorum Sensing Inhibitor in Suppressing Multiple Quorum Sensing Pathways of <i>P. aeruginosa</i> . <i>Scientific Reports</i> , 2018, 8, 1155.	3.3	60
8	Oxidative Modification of Tryptophan-Containing Peptides. <i>ACS Combinatorial Science</i> , 2018, 20, 344-349.	3.8	14
9	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
10	Repurposing the anticancer drug cisplatin with the aim of developing novel <i>Pseudomonas aeruginosa</i> infection control agents. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 3059-3069.	2.2	25
11	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
12	Bead-based screening in chemical biology and drug discovery. <i>Chemical Communications</i> , 2018, 54, 6759-6771.	4.1	25
13	Petasis three-component reactions for the synthesis of diverse heterocyclic scaffolds. <i>Drug Discovery Today: Technologies</i> , 2018, 29, 27-33.	4.0	14
14	Photolabile Linkers for Solid-Phase Synthesis. <i>ACS Combinatorial Science</i> , 2018, 20, 377-399.	3.8	30
15	Itaconimides as Novel Quorum Sensing Inhibitors of <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 443.	3.9	43
16	Scaffold Diversity from <i>N</i> -Acyliminium Ions. <i>Chemical Reviews</i> , 2017, 117, 7811-7856.	47.7	155
17	Solvent-Controlled Chemoselectivity in the Photolytic Release of Hydroxamic Acids and Carboxamides from Solid Support. <i>Organic Letters</i> , 2017, 19, 3263-3266.	4.6	10
18	Disulfide Bond-Containing Ajoene Analogues As Novel Quorum Sensing Inhibitors of <i>Pseudomonas aeruginosa</i> . <i>Journal of Medicinal Chemistry</i> , 2017, 60, 215-227.	6.4	98

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19	A Linker for the Solid-Phase Synthesis of Hydroxamic Acids and Identification of HDAC6 Inhibitors. ACS Combinatorial Science, 2017, 19, 657-669.	3.8	6
20	Diastereoselective synthesis of novel heterocyclic scaffolds through tandem Petasis 3-component/intramolecular Diels-Alder and ROM-RCM reactions. Chemical Communications, 2017, 53, 9410-9413.	4.1	10
21	A broad range quorum sensing inhibitor working through sRNA inhibition. Scientific Reports, 2017, 7, 9857.	3.3	60
22	Synthesis and biological evaluation of dihydropyrano-[2,3-c]pyrazoles as a new class of PPAR β partial agonists. PLoS ONE, 2017, 12, e0162642.	2.5	10
23	In-Bead Screening of Hydroxamic Acids for the Identification of HDAC Inhibitors. Angewandte Chemie - International Edition, 2016, 55, 4472-4475.	13.8	15
24	Tandem Mannich/Diels-Alder reactions for the synthesis of indole compound libraries. RSC Advances, 2016, 6, 46654-46657.	3.6	11
25	Catalytic Enantioselective Synthesis of Tetrahydrocarbazoles and Exocyclic Pictet-Spengler-Type Reactions. Organic Letters, 2016, 18, 5990-5993.	4.6	22
26	A metal-catalyzed enyne-cyclization step for the synthesis of bi- and tricyclic scaffolds amenable to molecular library production. Organic and Biomolecular Chemistry, 2016, 14, 6947-6950.	2.8	11
27	The anti-cancerous drug doxorubicin decreases the c-di-GMP content in Pseudomonas aeruginosa but promotes biofilm formation. Microbiology (United Kingdom), 2016, 162, 1797-1807.	1.8	17
28	A Four-Component Reaction for the Synthesis of Dioxadiazaborocines. Angewandte Chemie - International Edition, 2015, 54, 8395-8397.	13.8	29
29	Synthesis of (Arylamido)pyrrolidinone Libraries through Ritter-Type Cascade Reactions of Dihydroxylactams. European Journal of Organic Chemistry, 2015, 2015, 5633-5639.	2.4	16
30	C-di-GMP regulates Pseudomonas aeruginosa stress response to tellurite during both planktonic and biofilm modes of growth. Scientific Reports, 2015, 5, 10052.	3.3	72
31	Triazole-containing N-acyl homoserine lactones targeting the quorum sensing system in Pseudomonas aeruginosa. Bioorganic and Medicinal Chemistry, 2015, 23, 1638-1650.	3.0	33
32	Combining the Petasis 3-Component Reaction with Multiple Modes of Cyclization: A Build/Couple/Pair Strategy for the Synthesis of Densely Functionalized Small Molecules. ACS Combinatorial Science, 2015, 17, 19-23.	3.8	15
33	Reductive Cyclization and Petasis-Like Reaction for the Synthesis of Functionalized β -Lactams. European Journal of Organic Chemistry, 2015, 2015, 2346-2350.	2.4	14
34	Synthesis of 1,4,5 trisubstituted β -lactams via a 3-component cascade reaction. Bioorganic and Medicinal Chemistry, 2015, 23, 2695-2698.	3.0	15
35	In vitro and in vivo generation and characterization of Pseudomonas aeruginosa biofilm "dispersed cells via c-di-GMP manipulation. Nature Protocols, 2015, 10, 1165-1180.	12.0	63
36	Synthesis of Substituted β - and γ -Lactams through Mannich-Type Reactions of Solid-Supported N -Acyliminium Ions. European Journal of Organic Chemistry, 2015, 2015, 3524-3530.	2.4	6

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37	Multiple diguanylate cyclase-coordinated regulation of pyoverdine synthesis in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology Reports</i> , 2015, 7, 498-507.	2.4	47
38	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
39	Solid-Phase Synthesis of NH-1,2,3-Triazoles Using 4,4'-Bismethoxybenzhydryl Azide. <i>Synlett</i> , 2014, 25, 1891-1895.	1.8	4
40	Synthesis of 4-Halogenated 3-Fluoro-6-methoxyquinolines: Key Building Blocks for the Synthesis of Antibiotics. <i>Synthesis</i> , 2014, 46, 3263-3267.	2.3	2
41	Comparative Systems Biology Analysis To Study the Mode of Action of the Isothiocyanate Compound Iberin on <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 6648-6659.	3.2	43
42	An Improved Protocol for the Synthesis of 1-(Mesitylenesulfonyl)-3-nitro-1,2,4-triazole (MSNT). <i>Organic Preparations and Procedures International</i> , 2014, 46, 267-271.	1.3	6
43	Synthesis of a Natural Product-Like Compound Collection through Oxidative Cleavage and Cyclization of Linear Peptides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11778-11782.	13.8	15
44	Clearance of <i>Pseudomonas aeruginosa</i> Foreign-Body Biofilm Infections through Reduction of the Cyclic Di-GMP Level in the Bacteria. <i>Infection and Immunity</i> , 2013, 81, 2705-2713.	2.2	81
45	Build/Couple/Pair Strategy Combining the Petasis 3-Component Reaction with Ru-Catalyzed Ring-Closing Metathesis and Isomerization. <i>ACS Combinatorial Science</i> , 2012, 14, 253-257.	3.8	46
46	Petasis Three-Component Coupling Reactions of Hydrazides for the Synthesis of Oxadiazolones and Oxazolidinones. <i>Organic Letters</i> , 2012, 14, 640-643.	4.6	30
47	Fluorescence-Based Reporter for Gauging Cyclic Di-GMP Levels in <i>Pseudomonas aeruginosa</i> . <i>Applied and Environmental Microbiology</i> , 2012, 78, 5060-5069.	3.1	234
48	A convenient procedure for the solid-phase synthesis of hydroxamic acids on PEGA resins. <i>Tetrahedron Letters</i> , 2011, 52, 7121-7124.	1.4	13
49	Synthesis of Heterocycles through a Ruthenium-Catalyzed Tandem Ring-Closing Metathesis/Isomerization/N-Acyliminium Cyclization Sequence. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5188-5191.	13.8	80
50	Towards the Optimal Screening Collection: A Synthesis Strategy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 48-56.	13.8	507
51	Highly Stereoselective Addition of Stannylcuprates to Alkynes. <i>Journal of Organic Chemistry</i> , 2002, 67, 7309-7313.	3.2	21
52	Stereoselective Synthesis of (E)- β -Tributylstannyl- α -unsaturated Ketones: A Construction of a Key Intermediate for the Total Synthesis of Zoanthamine. <i>Journal of Organic Chemistry</i> , 2002, 67, 6366-6371.	3.2	25