

Mark Brønstrup

List of Publications by Year in descending order

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139
papers

5,519
citations

101384

36
h-index

98622

67
g-index

155
all docs

155
docs citations

155
times ranked

7582
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards the sustainable discovery and development of new antibiotics. <i>Nature Reviews Chemistry</i> , 2021, 5, 726-749.	13.8	439
2	Etomoxir Actions on Regulatory and Memory T Cells Are Independent of Cpt1a-Mediated Fatty Acid Oxidation. <i>Cell Metabolism</i> , 2018, 28, 504-515.e7.	7.2	264
3	Targeting DnaN for tuberculosis therapy using novel griselimycins. <i>Science</i> , 2015, 348, 1106-1112.	6.0	262
4	Industrial natural product chemistry for drug discovery and development. <i>Natural Product Reports</i> , 2014, 31, 35-60.	5.2	210
5	Labyrinthopeptins: A New Class of Carbacyclic Lantibiotics. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1151-1154.	7.2	193
6	SKAR Is a Specific Target of S6 Kinase 1 in Cell Growth Control. <i>Current Biology</i> , 2004, 14, 1540-1549.	1.8	172
7	Implementation of proteomic biomarkers: making it work. <i>European Journal of Clinical Investigation</i> , 2012, 42, 1027-1036.	1.7	151
8	Antiviral drug discovery: broad-spectrum drugs from nature. <i>Natural Product Reports</i> , 2015, 32, 29-48.	5.2	148
9	Bifunctional antimicrobial conjugates and hybrid antimicrobials. <i>Natural Product Reports</i> , 2017, 34, 832-885.	5.2	140
10	Gold(I) NHC Complexes: Antiproliferative Activity, Cellular Uptake, Inhibition of Mammalian and Bacterial Thioredoxin Reductases, and Gram-Positive Directed Antibacterial Effects. <i>Chemistry - A European Journal</i> , 2017, 23, 1869-1880.	1.7	136
11	Platinum Dioxide Cation: A Easy to Generate Experimentally but Difficult to Describe Theoretically. <i>Journal of the American Chemical Society</i> , 2001, 123, 142-147.	6.6	127
12	The Lantibiotic Peptide Labyrinthopeptin A1 Demonstrates Broad Anti-HIV and Anti-HSV Activity with Potential for Microbicidal Applications. <i>PLoS ONE</i> , 2013, 8, e64010.	1.1	123
13	HCN Synthesis from Methane and Ammonia: Mechanisms of Pt+-Mediated C-N Coupling. <i>Journal of the American Chemical Society</i> , 1999, 121, 10614-10625.	6.6	116
14	Absolute quantification strategies in proteomics based on mass spectrometry. <i>Expert Review of Proteomics</i> , 2004, 1, 503-512.	1.3	110
15	Glycomimetic, Orally Bioavailable LecB Inhibitors Block Biofilm Formation of <i>Pseudomonas aeruginosa</i> . <i>Journal of the American Chemical Society</i> , 2018, 140, 2537-2545.	6.6	97
16	Ion chemistry of the hexanuclear methoxo-oxovanadium cluster V ₆ O ₇ (OCH ₃) ₁₂ . <i>International Journal of Mass Spectrometry</i> , 2003, 228, 743-757.	0.7	93
17	Multivalent Siderophore-DOTAM Conjugates as Theranostics for Imaging and Treatment of Bacterial Infections. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8272-8276.	7.2	81
18	A Gas-Phase Model for the Pt+-Catalyzed Coupling of Methane and Ammonia. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 829-832.	7.2	75

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19	Biosynthesis of methyl-proline containing griselimycins, natural products with anti-tuberculosis activity. <i>Chemical Science</i> , 2017, 8, 7521-7527.	3.7	72
20	Discovery, Structure Elucidation, and Biological Characterization of Nannocystinâ€¦A, a Macrocyclic Myxobacterial Metabolite with Potent Antiproliferative Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10145-10148.	7.2	69
21	Reactions of Bare FeO+ with Element Hydrides EHn (E=C, N, O, F, Si, P, S, Cl). <i>Chemistry - A European Journal</i> , 1999, 5, 1176-1185.	1.7	64
22	Discovery and Total Synthesis of Natural Cystobactamid Derivatives with Superior Activity against Gramâ€Negative Pathogens. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12760-12764.	7.2	62
23	Biscarbene gold(<i>scp</i>) complexes: structureâ€activity-relationships regarding antibacterial effects, cytotoxicity, TrxR inhibition and cellular bioavailability. <i>MedChemComm</i> , 2017, 8, 1681-1689.	3.5	61
24	Subcellular Quantification of Uptake in Gram-Negative Bacteria. <i>Analytical Chemistry</i> , 2019, 91, 1863-1872.	3.2	60
25	A gold(<i>scp</i>) biscarbene complex with improved activity as a TrxR inhibitor and cytotoxic drug: comparative studies with different gold metallodrugs. <i>Metallomics</i> , 2019, 11, 533-545.	1.0	58
26	Biosynthetic Studies of Telomycin Reveal New Lipopeptides with Enhanced Activity. <i>Journal of the American Chemical Society</i> , 2015, 137, 7692-7705.	6.6	57
27	T4SS-dependent TLR5 activation by <i>Helicobacter pylori</i> infection. <i>Nature Communications</i> , 2019, 10, 5717.	5.8	56
28	Coniosetin, a Novel Tetramic Acid Antibiotic from <i>Coniochaeta ellipsoidea</i> DSM 13856.. <i>Journal of Antibiotics</i> , 2003, 56, 114-122.	1.0	50
29	Isolation and Structural Elucidation of Armeniaspirolsâ€¦Aâ€C: Potent Antibiotics against Gramâ€Positive Pathogens. <i>Chemistry - A European Journal</i> , 2012, 18, 16123-16128.	1.7	47
30	Cyclipostins, Novel Hormone-sensitive Lipase Inhibitors from <i>Streptomyces</i> sp. DSM 13381. II. Isolation, Structure Elucidation and Biological Properties.. <i>Journal of Antibiotics</i> , 2002, 55, 480-494.	1.0	45
31	Anti-biofilm Agents against <i>Pseudomonas aeruginosa</i> : A Structureâ€Activity Relationship Study of <i>C</i> -Glycosidic LecB Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9201-9216.	2.9	45
32	Production of the Bengamide Class of Marine Natural Products in Myxobacteria: Biosynthesis and Structureâ€Activity Relationships. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15560-15564.	7.2	44
33	Use of Single-Frequency Impedance Spectroscopy to Characterize the Growth Dynamics of Biofilm Formation in <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2017, 7, 5223.	1.6	44
34	Isolation and structure elucidation of vancoresmycinâ€”a new antibiotic from <i>Amycolatopsis</i> sp. ST 101170. <i>Tetrahedron Letters</i> , 2002, 43, 435-438.	0.7	42
35	Armeniaspiroles, a new class of antibacterials: antibacterial activities and total synthesis of 5-chloro-Armeniaspirole A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6292-6296.	1.0	39
36	Occupation-Associated Fatal Limbic Encephalitis Caused by Variegated Squirrel Bornavirus 1, Germany, 2013. <i>Emerging Infectious Diseases</i> , 2018, 24, 978-987.	2.0	38

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37	Decreased plasma phospholipid concentrations and increased acid sphingomyelinase activity are accurate biomarkers for community-acquired pneumonia. <i>Journal of Translational Medicine</i> , 2019, 17, 365.	1.8	38
38	Platinum-Mediated Coupling of Methane and Small Nucleophiles (H ₂ O, PH ₃ , H ₂ S, CH ₃ NH ₂) as a Model for C–N, C–O, C–P, and C–S Bond Formation in the Gas Phase. <i>Organometallics</i> , 1999, 18, 1939-1948.	1.1	37
39	Clustering of MS2 spectra using unsupervised methods to aid the identification of secondary metabolites from <i>Pseudomonas aeruginosa</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1071, 19-28.	1.2	37
40	Toll-like Receptor 5 Activation by the CagY Repeat Domains of <i>Helicobacter pylori</i> . <i>Cell Reports</i> , 2020, 32, 108159.	2.9	36
41	±-Iodoalkyl-Iodine-Ate Complexes as Observable Intermediates in the Iodine- Magnesium Exchange Reaction. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 824-826.	7.2	35
42	Heterologous Expression and Engineering Studies of Labyrinthopeptins, Class III Lantibiotics from <i>Actinomadura namibiensis</i> . <i>Chemistry and Biology</i> , 2013, 20, 111-122.	6.2	34
43	Novel Small Molecule Inhibitors of Activated Thrombin Activatable Fibrinolysis Inhibitor (TAFI) from Natural Product Anabaenopeptin. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4839-4844.	2.9	33
44	Synthesis and Biological Investigation of ¹² C-Prostaglandin J ₃ (¹² C-PGJ ₃) Analogues and Related Compounds. <i>Journal of the American Chemical Society</i> , 2016, 138, 6550-6560.	6.6	33
45	The Second Step of the Halogen/Metal Exchange Reaction. <i>Organic Letters</i> , 2003, 5, 313-316.	2.4	32
46	Iron-Mediated Amination of Hydrocarbons in the Gas Phase. <i>Helvetica Chimica Acta</i> , 1998, 81, 2348-2369.	1.0	31
47	Target identification by image analysis. <i>Natural Product Reports</i> , 2016, 33, 655-667.	5.2	31
48	Gold(I) and Gold(III) N-heterocyclic Carbene Complexes as Antibacterial Agents and Inhibitors of Bacterial Thioredoxin Reductase. <i>ChemMedChem</i> , 2021, 16, 3402-3409.	1.6	31
49	Isolation, Co-Crystallization and Structure-Based Characterization of Anabaenopeptins as Highly Potent Inhibitors of Activated Thrombin Activatable Fibrinolysis Inhibitor (TAFI). <i>Scientific Reports</i> , 2016, 6, 32958.	1.6	30
50	Labyrinthopeptins Exert Broad-Spectrum Antiviral Activity through Lipid-Binding-Mediated Virolysis. <i>Journal of Virology</i> , 2020, 94, .	1.5	30
51	Labyrinthopeptins as virolytic inhibitors of respiratory syncytial virus cell entry. <i>Antiviral Research</i> , 2020, 177, 104774.	1.9	30
52	A modular synthesis of tetracyclic meroterpenoid antibiotics. <i>Nature Communications</i> , 2017, 8, 2083.	5.8	29
53	Transcriptional and Proteomic Profiles of Group B Streptococcus Type V Reveal Potential Adherence Proteins Associated with High-Level Invasion. <i>Infection and Immunity</i> , 2007, 75, 1473-1483.	1.0	28
54	Soraphen A: A broad-spectrum antiviral natural product with potent anti-hepatitis C virus activity. <i>Journal of Hepatology</i> , 2015, 63, 813-821.	1.8	28

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55	Metabolome and transcriptome-wide effects of the carbon storage regulator A in enteropathogenic <i>Escherichia coli</i> . <i>Scientific Reports</i> , 2019, 9, 138.	1.6	28
56	Muscle-Type Specific Intramyocellular and Hepatic Lipid Metabolism During Starvation in Wistar Rats. <i>Diabetes</i> , 2004, 53, 528-534.	0.3	26
57	Antibiotic Conjugates with an Artificial MECAM-Based Siderophore Are Potent Agents against Gram-Positive and Gram-Negative Bacterial Pathogens. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 15440-15460.	2.9	26
58	Enzyme-Activated, Chemiluminescent Siderophore-Dioxetane Probes Enable the Selective and Highly Sensitive Detection of Bacterial Pathogens. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	26
59	Editorial: Are natural products the solution to antimicrobial resistance?. <i>Natural Product Reports</i> , 2017, 34, 685-686.	5.2	25
60	Mass-Spectrometric Experiments together with Electronic Structure Calculations Support the Existence of the Elusive Ammonia Oxide Molecule and Its Radical Cation. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1529-1538.	1.0	24
61	Treatment of <i>Vinca minor</i> Leaves with Methyl Jasmonate Extensively Alters the Pattern and Composition of Indole Alkaloids. <i>Journal of Natural Products</i> , 2017, 80, 2905-2909.	1.5	22
62	New nitrofurans amenable by isocyanide multicomponent chemistry are active against multidrug-resistant and poly-resistant <i>Mycobacterium tuberculosis</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1867-1874.	1.4	21
63	Untargeted LC-MS Metabolomics Differentiates Between Virulent and Avirulent Clinical Strains of <i>Pseudomonas aeruginosa</i> . <i>Biomolecules</i> , 2020, 10, 1041.	1.8	21
64	Optimization of Artificial Siderophores as ⁶⁸ Ga-Complexed PET Tracers for In Vivo Imaging of Bacterial Infections. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12359-12378.	2.9	21
65	Biophysical characterization of <i>E. coli</i> TolC interaction with the known blocker hexaamminecobalt. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2702-2709.	1.1	21
66	A Mechanistic Study of the FeO ⁺ -Mediated Decomposition Pathways of Phenol, Anisol, and Their Thio Analogues. <i>Chemistry - A European Journal</i> , 2000, 6, 91-104.	1.7	20
67	<i>In Vitro</i> Model of the Gram-Negative Bacterial Cell Envelope for Investigation of Anti-Infective Permeation Kinetics. <i>ACS Infectious Diseases</i> , 2018, 4, 1188-1196.	1.8	20
68	Synthetic studies of cystobactamids as antibiotics and bacterial imaging carriers lead to compounds with high <i>in vivo</i> efficacy. <i>Chemical Science</i> , 2020, 11, 1316-1334.	3.7	20
69	The intriguing chemistry and biology of soraphens. <i>Natural Product Reports</i> , 2019, 36, 1394-1411.	5.2	19
70	Targeting cellular fatty acid synthesis limits T helper and innate lymphoid cell function during intestinal inflammation and infection. <i>Mucosal Immunology</i> , 2021, 14, 164-176.	2.7	19
71	Influence of Fenofibrate Treatment on Triacylglycerides, Diacylglycerides and Fatty Acids in Fructose Fed Rats. <i>PLoS ONE</i> , 2014, 9, e106849.	1.1	19
72	Natural products targeting the elongation phase of eukaryotic protein biosynthesis. <i>Natural Product Reports</i> , 2020, 37, 752-762.	5.2	18

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73	Cystobactamid 507: Concise Synthesis, Mode of Action, and Optimization toward More Potent Antibiotics. <i>Chemistry - A European Journal</i> , 2020, 26, 7219-7225.	1.7	18
74	Higher Trimethylamine- <i>N</i> -Oxide Plasma Levels with Increasing Age Are Mediated by Diet and Trimethylamine-Forming Bacteria. <i>MSystems</i> , 2021, 6, e0094521.	1.7	18
75	PCCP does exist. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2245-2250.	1.3	17
76	The Alkylquinolone Repertoire of <i>Pseudomonas aeruginosa</i> is Linked to Structural Flexibility of the FabH-like 2-Heptyl-3-hydroxy-4(1H)-quinolone (PQS) Biosynthesis Enzyme PqsBC. <i>ChemBioChem</i> , 2018, 19, 1531-1544.	1.9	17
77	Oxidative dealkylation of aromatic amines by "bare" FeO ⁺ in the gas phase. <i>Canadian Journal of Chemistry</i> , 1999, 77, 774-780.	0.6	16
78	Mapping the recognition domains of pneumococcal fibronectin-binding proteins PavA and PavB demonstrates a common pattern of molecular interactions with fibronectin type III repeats. <i>Molecular Microbiology</i> , 2017, 105, 839-859.	1.2	16
79	A Metabolomics Exploration of the Sexual Phase in the Marine Diatom <i>Pseudo-nitzschia multistriata</i> . <i>Marine Drugs</i> , 2020, 18, 313.	2.2	16
80	Evidence for an Iodine Ate Complex as an Observable Intermediate in the Iodine/Magnesium Exchange on a 1,1-Diiodoalkane. <i>Organometallics</i> , 2003, 22, 2925-2930.	1.1	15
81	Antibacterial activity of apramycin at acidic pH warrants wide therapeutic window in the treatment of complicated urinary tract infections and acute pyelonephritis. <i>EBioMedicine</i> , 2021, 73, 103652.	2.7	15
82	Regioselective Activation of Ipso and Ortho Positions in Chlorobenzene by FeO ⁺ . <i>Journal of the American Chemical Society</i> , 2000, 122, 699-704.	6.6	14
83	Energetics of Iodine Ate Complexes, Intermediates in the Iodine/Magnesium Exchange on 1,1-Diiodoalkanes. <i>Organometallics</i> , 2003, 22, 2931-2937.	1.1	14
84	Synthesis and Characterization of a Promising Novel FFAR1/GPR40 Targeting Fluorescent Probe for β -Cell Imaging. <i>ACS Chemical Biology</i> , 2016, 11, 1745-1754.	1.6	14
85	Adaptation of a Bacterial Multidrug Resistance System Revealed by the Structure and Function of AlbA. <i>Journal of the American Chemical Society</i> , 2018, 140, 16641-16649.	6.6	14
86	CluMSID: an R package for similarity-based clustering of tandem mass spectra to aid feature annotation in metabolomics. <i>Bioinformatics</i> , 2019, 35, 3196-3198.	1.8	14
87	Semisynthesis and biological evaluation of amidochelocardin derivatives as broad-spectrum antibiotics. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112005.	2.6	14
88	Entdeckung und Totalsynthese von natürlichen Cystobactamid-Derivaten mit herausragender Aktivität gegen Gram-negative Pathogene. <i>Angewandte Chemie</i> , 2017, 129, 12934-12938.	1.6	13
89	Filovirus Antiviral Activity of Cationic Amphiphilic Drugs Is Associated with Lipophilicity and Ability To Induce Phospholipidosis. <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 64, .	1.4	13
90	Isolation and characterisation of irinans, androstane-type withanolides from <i>Phyalis peruviana</i> L. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2003-2012.	1.3	12

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91	Kaposi's sarcoma-associated herpesvirus vFLRF2 protein utilizes an IFN-dependent pathway to regulate viral early gene expression. <i>PLoS Pathogens</i> , 2019, 15, e1007743.	2.1	12
92	EU-OPENSREEN: A Novel Collaborative Approach to Facilitate Chemical Biology. <i>SLAS Discovery</i> , 2019, 24, 398-413.	1.4	12
93	10 Natural product drug discovery from microalgae. , 2012, , 169-202.		11
94	Diagnosing Zika virus infection against a background of other flaviviruses: Studies in high resolution serological analysis. <i>Scientific Reports</i> , 2019, 9, 3648.	1.6	11
95	Inhibition of Type IV Secretion Activity and Growth of <i>Helicobacter pylori</i> by Cisplatin and Other Platinum Complexes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 602958.	1.8	11
96	Selective Bacterial Targeting and Infection-Triggered Release of Antibiotic Colistin Conjugates. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17989-17997.	7.2	11
97	Synthesis of GPR40 targeting ³ H- and ¹⁸ F- probes towards selective beta cell imaging. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 604-610.	0.5	10
98	New Structural Templates for Clinically Validated and Novel Targets in Antimicrobial Drug Research and Development. <i>Current Topics in Microbiology and Immunology</i> , 2016, 398, 365-417.	0.7	10
99	Multivalente Siderophor-DOTAM-Konjugate als Theranostika zur Visualisierung und Behandlung bakterieller Infektionen. <i>Angewandte Chemie</i> , 2017, 129, 8384-8389.	1.6	10
100	Investigations on the mode of action of gephyronic acid, an inhibitor of eukaryotic protein translation from myxobacteria. <i>PLoS ONE</i> , 2018, 13, e0201605.	1.1	10
101	Discovery pipelines for marine resources: an ocean of opportunity for biotechnology?. <i>World Journal of Microbiology and Biotechnology</i> , 2019, 35, 107.	1.7	10
102	The nuclear export inhibitor aminorattjadone is a potent effector in extracellular-targeted drug conjugates. <i>Chemical Science</i> , 2019, 10, 5197-5210.	3.7	10
103	Identification and Quantification of (t)RNA Modifications in <i>Pseudomonas aeruginosa</i> by Liquid Chromatography-Tandem Mass Spectrometry. <i>ChemBioChem</i> , 2019, 20, 1430-1437.	1.3	10
104	A hydrogel-based in vitro assay for the fast prediction of antibiotic accumulation in Gram-negative bacteria. <i>Materials Today Bio</i> , 2020, 8, 100084.	2.6	10
105	A role for PchH as the ABC transporter in iron acquisition by the siderophore pyochelin in <i>Pseudomonas aeruginosa</i> . <i>Environmental Microbiology</i> , 2022, 24, 866-877.	1.8	10
106	Peptide microarrays coupled to machine learning reveal individual epitopes from human antibody responses with neutralizing capabilities against SARS-CoV-2. <i>Emerging Microbes and Infections</i> , 2022, 11, 1037-1048.	3.0	10
107	Uptake Mechanisms and Regulatory Responses to MECAM- and DOTAM-Based Artificial Siderophores and Their Antibiotic Conjugates in <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2022, 8, 1134-1146.	1.8	10
108	From Repurposing to Redesign: Optimization of Boceprevir to Highly Potent Inhibitors of the SARS-CoV-2 Main Protease. <i>Molecules</i> , 2022, 27, 4292.	1.7	10

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109	Biological and chemical characterization of new isolated halophilic microorganisms from saltern ponds of Trapani, Sicily. <i>Algal Research</i> , 2021, 54, 102192.	2.4	9
110	A simplified LC-MS/MS method for the quantification of the cardiovascular disease biomarker trimethylamine-N-oxide and its precursors. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 523-528.	2.4	9
111	Reinvestigation of the Nitration of Tri-Chloroethene – Subsequent Reactions of the Products and Evaluation of Their Anti-Microbial and Antifungal Activity. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7763-7774.	1.2	8
112	The Myxobacterial Metabolite Soraphen A Inhibits HIV-1 by Reducing Virus Production and Altering Virion Composition. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	1.4	8
113	A metabolome-wide characterization of the diabetic phenotype in ZDF rats and its reversal by pioglitazone. <i>PLoS ONE</i> , 2018, 13, e0207210.	1.1	8
114	Discovery of Staphylococcus aureus Adhesion Inhibitors by Automated Imaging and Their Characterization in a Mouse Model of Persistent Nasal Colonization. <i>Microorganisms</i> , 2021, 9, 631.	1.6	8
115	Armeniaspirol Antibiotic Biosynthesis: Chlorination and Oxidative Dechlorination Steps Affording Spiro[4.4]nonane. <i>ChemBioChem</i> , 2019, 20, 764-769.	1.3	7
116	Physiologically Based Pharmacokinetic/Pharmacodynamic Model for the Treatment of Dengue Infections Applied to the Broad Spectrum Antiviral Soraphen A. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 1499-1513.	2.5	6
117	Host-induced spermidine production in motile Pseudomonas aeruginosa triggers phagocytic uptake. <i>ELife</i> , 2020, 9, .	2.8	6
118	Identification of Antimotilins, Novel Inhibitors of Helicobacter pylori Flagellar Motility That Inhibit Stomach Colonization in a Mouse Model. <i>MBio</i> , 2022, 13, e0375521.	1.8	6
119	Chiral organometallic reagents. Part XXIV.1 Iodine ate-complexes as intermediates in the iodine-lithium exchange reaction on 1,1-diodoalkanes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 731-736.	0.9	5
120	Antibacterial activity of xylose-derived LpxC inhibitors – Synthesis, biological evaluation and molecular docking studies. <i>Bioorganic Chemistry</i> , 2021, 107, 104603.	2.0	5
121	High-Throughput Mass Spectrometry for Compound Characterization in Drug Discovery. <i>Topics in Current Chemistry</i> , 2003, , 283-302.	4.0	5
122	Total synthesis and mechanism of action of the antibiotic armeniaspirol A. <i>Chemical Science</i> , 2021, 12, 16023-16034.	3.7	5
123	Species-Specific Conservation of Linear Antigenic Sites on Vaccinia Virus A27 Protein Homologs of Orthopoxviruses. <i>Viruses</i> , 2019, 11, 493.	1.5	4
124	ORFeome Phage Display Reveals a Major Immunogenic Epitope on the S2 Subdomain of SARS-CoV-2 Spike Protein. <i>Viruses</i> , 2022, 14, 1326.	1.5	4
125	Oxidation of the Meroterpenoid (β^*)-Terreumol C from the Mushroom <i>Tricholoma terreum</i> : Discovery of Cytotoxic Analogues. <i>Journal of Natural Products</i> , 2017, 80, 2652-2658.	1.5	3
126	Serological Analysis of Herpes B Virus at Individual Epitope Resolution: From Two-Dimensional Peptide Arrays to Multiplex Bead Flow Assays. <i>Analytical Chemistry</i> , 2019, 91, 11030-11037.	3.2	3

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127	xCELLanalyzer: A Framework for the Analysis of Cellular Impedance Measurements for Mode of Action Discovery. <i>SLAS Discovery</i> , 2019, 24, 213-223.	1.4	3
128	SAR Studies of the Leupyrrins: Design and Total Synthesis of Highly Potent Simplified Leupylogs. <i>Chemistry - A European Journal</i> , 2020, 26, 15074-15078.	1.7	3
129	Targeting Bacterial Gyrase with Cystobactamid, Fluoroquinolone, and Aminocoumarin Antibiotics Induces Distinct Molecular Signatures in <i>Pseudomonas aeruginosa</i> . <i>MSystems</i> , 2021, 6, e0061021.	1.7	3
130	Masked amino trimethyl lock (H ₂ N- ϵ -TML) systems: new molecular entities for the development of turn-on fluorophores and their application in hydrogen sulfide (H ₂ S) imaging in human cells. <i>Chemistry - A European Journal</i> , 2021, , .	1.7	3
131	Dual anti-HSV and anti-HIV activity of the lantibiotic Labyrinthopeptin A1. <i>BMC Infectious Diseases</i> , 2014, 14, .	1.3	2
132	Labyrinthopeptin A1 and A2 efficiently inhibit cell entry of hRSV isolates. , 2017, , .		2
133	Olfaction, taste and chemoreception: scientific evidence replaces "Essays in biopoetry". <i>Natural Product Reports</i> , 2017, 34, 469-471.	5.2	1
134	A Gas-Phase Model for the Pt ⁺ -Catalyzed Coupling of Methane and Ammonia. , 1998, 37, 829.		1
135	Characterisation of an Anti-Vaccinia Virus F13 Single Chain Fragment Variable from a Human Anti-Vaccinia Virus-Specific Recombinant Immunoglobulin Library. <i>Viruses</i> , 2022, 14, 197.	1.5	1
136	The Peptide Chain Release Factor Methyltransferase P _{rm} C Influences the <i>Pseudomonas aeruginosa</i> PA14 Endo- and Exometabolome. <i>Metabolites</i> , 2020, 10, 417.	1.3	0
137	New Frontiers in Drug Discovery: Academia Meets Industry at the International Helmholtz Drug Discovery Conference (HDDC). <i>ChemMedChem</i> , 2020, 15, 468-470.	1.6	0
138	Zielgerichtete bakterielle Lokalisation und infektionsinduzierte Freisetzung von antibiotischen Colistin-Konjugaten. <i>Angewandte Chemie</i> , 2021, 133, 18135-18144.	1.6	0
139	Enzyme-activated, Chemiluminescent Siderophore-Dioxetane Probes Enable the Selective and Highly Sensitive Detection of Bacterial ESKAPE Pathogens. <i>Angewandte Chemie</i> , 0, , .	1.6	0