

Herman O Sintim

List of Publications by Year in descending order

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152
papers

6,044
citations

66343

42
h-index

85541

71
g-index

164
all docs

164
docs citations

164
times ranked

7603
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofilm formation mechanisms and targets for developing antibiofilm agents. <i>Future Medicinal Chemistry</i> , 2015, 7, 493-512.	2.3	492
2	Isothermal amplified detection of DNA and RNA. <i>Molecular BioSystems</i> , 2014, 10, 970.	2.9	354
3	Nucleotide, c-di-GMP, c-di-AMP, cGMP, cAMP, (p)ppGpp signaling in bacteria and implications in pathogenesis. <i>Chemical Society Reviews</i> , 2013, 42, 305-341.	38.1	315
4	Agents that inhibit bacterial biofilm formation. <i>Future Medicinal Chemistry</i> , 2015, 7, 647-671.	2.3	226
5	Colorimetric Split G-Quadruplex Probes for Nucleic Acid Sensing: Improving Reconstituted DNAAzyme™s Catalytic Efficiency via Probe Remodeling. <i>Journal of the American Chemical Society</i> , 2009, 131, 10320-10333.	13.7	194
6	STING Ligand c-di-GMP Improves Cancer Vaccination against Metastatic Breast Cancer. <i>Cancer Immunology Research</i> , 2014, 2, 901-910.	3.4	187
7	Differential radial capillary action of ligand assay for high-throughput detection of protein-metabolite interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15528-15533.	7.1	177
8	Paradigm shift in discovering next-generation anti-infective agents: targeting quorum sensing, c-di-GMP signaling and biofilm formation in bacteria with small molecules. <i>Future Medicinal Chemistry</i> , 2010, 2, 1005-1035.	2.3	131
9	Unraveling Curcumin Degradation. <i>Journal of Biological Chemistry</i> , 2015, 290, 4817-4828.	3.4	129
10	Oligoribonuclease is the primary degradative enzyme for pGpG in <i>Pseudomonas aeruginosa</i> that is required for cyclic-di-GMP turnover. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E5048-57.	7.1	117
11	Inhibition of innate immune cytosolic surveillance by an <i>M. tuberculosis</i> phosphodiesterase. <i>Nature Chemical Biology</i> , 2017, 13, 210-217.	8.0	96
12	Fluorescence, Phosphorescence, and Chemiluminescence. <i>Analytical Chemistry</i> , 2016, 88, 170-202.	6.5	95
13	Junction Probes – Sequence Specific Detection of Nucleic Acids via Template Enhanced Hybridization Processes. <i>Journal of the American Chemical Society</i> , 2008, 130, 12560-12561.	13.7	92
14	The difluorotoluene debate – a decade later. <i>Chemical Communications</i> , 2006, , 3665-3675.	4.1	91
15	AI-2 analogs and antibiotics: a synergistic approach to reduce bacterial biofilms. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 2627-2638.	3.6	87
16	Evidence of magnetic isotope effects during thermochemical sulfate reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17635-17638.	7.1	85
17	Molecular Fluorescence, Phosphorescence, and Chemiluminescence Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 597-625.	6.5	83
18	DNA-Based Peroxidation Catalyst – What Is the Exact Role of Topology on Catalysis and Is There a Special Binding Site for Catalysis?. <i>Chemistry - A European Journal</i> , 2011, 17, 5691-5698.	3.3	80

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19	A Noncarbohydrate Based Approach to Polyhydroxylated Pyrrolidizines: Total Syntheses of the Natural Products Hyacinthacine A1 and 1-Epiaustraline. <i>Journal of Organic Chemistry</i> , 2005, 70, 7297-7304.	3.2	78
20	Cyclic dinucleotide (c-di-GMP, c-di-AMP, and cGAMP) signalings have come of age to be inhibited by small molecules. <i>Chemical Communications</i> , 2016, 52, 9327-9342.	4.1	78
21	Suramin potently inhibits cGAMP synthase, cGAS, in THP1 cells to modulate IFN- β levels. <i>Future Medicinal Chemistry</i> , 2018, 10, 1301-1317.	2.3	78
22	Thiazole Orange-Induced c-di-GMP Quadruplex Formation Facilitates a Simple Fluorescent Detection of This Ubiquitous Biofilm Regulating Molecule. <i>Journal of the American Chemical Society</i> , 2011, 133, 4856-4864.	13.7	74
23	Nanomolar fluorescent detection of c-di-GMP using a modular aptamer strategy. <i>Chemical Communications</i> , 2012, 48, 9059.	4.1	68
24	Evidence of link between quorum sensing and sugar metabolism in <i>Escherichia coli</i> revealed via cocystal structures of LsrK and HPr. <i>Science Advances</i> , 2018, 4, eaar7063.	10.3	68
25	Bacterial Secretions of Nonpathogenic <i>Escherichia coli</i> Elicit Inflammatory Pathways: a Closer Investigation of Interkingdom Signaling. <i>MBio</i> , 2015, 6, e00025.	4.1	67
26	Synthetic Analogs Tailor Native AI-2 Signaling Across Bacterial Species. <i>Journal of the American Chemical Society</i> , 2010, 132, 11141-11150.	13.7	66
27	ENPP1, an Old Enzyme with New Functions, and Small Molecule Inhibitors: A STING in the Tale of ENPP1. <i>Molecules</i> , 2019, 24, 4192.	3.8	66
28	Enhanced Base Pairing and Replication Efficiency of Thiothymidines, Expanded-size Variants of Thymidine. <i>Journal of the American Chemical Society</i> , 2006, 128, 396-397.	13.7	65
29	Small Molecule Inhibitors of AI-2 Signaling in Bacteria: State-of-the-Art and Future Perspectives for Anti-Quorum Sensing Agents. <i>International Journal of Molecular Sciences</i> , 2013, 14, 17694-17728.	4.1	60
30	An Efficient Synthesis of Lactacystin- β -Lactone. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2293-2296.	13.8	59
31	Remarkable Sensitivity to DNA Base Shape in the DNA Polymerase Active Site. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1974-1979.	13.8	58
32	A Concise Total Synthesis of (\pm)-1-Epiaustraline. <i>Organic Letters</i> , 2004, 6, 2003-2006.	4.6	50
33	Utility of the Ammonia-Free Birch Reduction of Electron-Deficient Pyrroles: Total Synthesis of the 20S Proteasome Inhibitor, clasto-Lactacystin- β -Lactone. <i>Chemistry - A European Journal</i> , 2005, 11, 4227-4238.	3.3	50
34	Biomolecule detection with peroxidase-mimicking DNAzymes; expanding detection modality with fluorogenic compounds. <i>Molecular BioSystems</i> , 2009, 6, 95-97.	2.9	50
35	Conservative Change to the Phosphate Moiety of Cyclic Diguanylic Monophosphate Remarkably Affects Its Polymorphism and Ability To Bind DGC, PDE, and PilZ Proteins. <i>Journal of the American Chemical Society</i> , 2011, 133, 9320-9330.	13.7	50
36	c-di-GMP can form remarkably stable G-quadruplexes at physiological conditions in the presence of some planar intercalators. <i>Chemical Communications</i> , 2011, 47, 4766.	4.1	49

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37	Biological screening of a diverse set of AI-2 analogues in <i>Vibrio harveyi</i> suggests that receptors which are involved in synergistic agonism of AI-2 and analogues are promiscuous. <i>Chemical Communications</i> , 2009, , 7033.	4.1	45
38	Altering the Communication Networks of Multispecies Microbial Systems Using a Diverse Toolbox of AI-2 Analogues. <i>ACS Chemical Biology</i> , 2012, 7, 1023-1030.	3.4	45
39	Potent suppression of c-di-GMP synthesis via I-site allosteric inhibition of diguanylate cyclases with 2- β -F-c-di-GMP. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4396-4404.	3.0	45
40	A simple solid-phase synthesis of the ubiquitous bacterial signaling molecule, c-di-GMP and analogues. <i>Molecular BioSystems</i> , 2008, 4, 518.	2.9	44
41	Efforts towards the Identification of Simpler Platensimycin Analogues—The Total Synthesis of Oxazinidiny Platensimycin. <i>Chemistry - A European Journal</i> , 2009, 15, 2747-2750.	3.3	44
42	Nucleic acid detection using G-quadruplex amplification methodologies. <i>Methods</i> , 2013, 64, 185-198.	3.8	43
43	Effects on Membrane Lateral Pressure Suggest Permeation Mechanisms for Bacterial Quorum Signaling Molecules. <i>Biochemistry</i> , 2011, 50, 6983-6993.	2.5	41
44	Inhibition of <i>P. aeruginosa</i> c-di-GMP phosphodiesterase RocR and swarming motility by a benzoisothiazolinone derivative. <i>Chemical Science</i> , 2016, 7, 6238-6244.	7.4	39
45	Diminazene or berenil, a classic duplex minor groove binder, binds to G-quadruplexes with low nanomolar dissociation constants and the amidine groups are also critical for G-quadruplex binding. <i>Molecular BioSystems</i> , 2014, 10, 2724-2734.	2.9	35
46	3H-pyrazolo[4,3-f]quinoline haspin kinase inhibitors and anticancer properties. <i>Bioorganic Chemistry</i> , 2018, 78, 418-426.	4.1	35
47	N-(1,3,4-oxadiazol-2-yl)benzamide analogs, bacteriostatic agents against methicillin- and vancomycin-resistant bacteria. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 797-805.	5.5	34
48	Unexpected Complex Formation between Coralyne and Cyclic Diadenosine Monophosphate Providing a Simple Fluorescent Turn-on Assay to Detect This Bacterial Second Messenger. <i>Analytical Chemistry</i> , 2014, 86, 2412-2420.	6.5	32
49	Dialkylamino- β -hydroxybenzoic Acids as Easily Synthesized Analogues of Platensimycin and Platencin with Comparable Antibacterial Properties. <i>Chemistry - A European Journal</i> , 2011, 17, 3352-3357.	3.3	31
50	A rapid assay for affinity and kinetics of molecular interactions with nucleic acids. <i>Nucleic Acids Research</i> , 2012, 40, e48-e48.	14.5	30
51	A C-di-GMP—proflavine—hemin supramolecular complex has peroxidase activity—implication for a simple colorimetric detection. <i>Molecular BioSystems</i> , 2012, 8, 726.	2.9	30
52	Identification of bromophenol thiohydantoin as an inhibitor of DisA, a c-di-AMP synthase, from a 1000 compound library, using the coralyne assay. <i>Chemical Communications</i> , 2014, 50, 11234-11237.	4.1	30
53	Investigating the interactions between cations, peroxidation substrates and G-quadruplex topology in DNAzyme peroxidation reactions using statistical testing. <i>Analytica Chimica Acta</i> , 2012, 747, 1-6.	5.4	28
54	Evolved Quorum Sensing Regulator, LsrR, for Altered Switching Functions. <i>ACS Synthetic Biology</i> , 2014, 3, 210-219.	3.8	28

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55	Biofilms as "Connectors" for Oral and Systems Medicine: A New Opportunity for Biomarkers, Molecular Targets, and Bacterial Eradication. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 3-11.	2.0	28
56	Targeting c-di-GMP Signaling, Biofilm Formation, and Bacterial Motility with Small Molecules. <i>Methods in Molecular Biology</i> , 2017, 1657, 419-430.	0.9	28
57	Lipoteichoic Acid Biosynthesis Inhibitors as Potent Inhibitors of <i>S. aureus</i> and <i>E. faecalis</i> Growth and Biofilm Formation. <i>Molecules</i> , 2020, 25, 2277.	3.8	28
58	Remote C ₁₈ H Functionalization: Using the Ni ₂ O Moiety as an Atom-Economical Tether to Obtain 1,5- and the Rare 1,7-C ₁₈ H Insertions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3964-3968.	13.8	27
59	Proteomic analysis of bacterial response to a 4-hydroxybenzylidene indolinone compound, which re-sensitizes bacteria to traditional antibiotics. <i>Journal of Proteomics</i> , 2019, 202, 103368.	2.4	27
60	Multiple ways to kill bacteria via inhibiting novel cell wall or membrane targets. <i>Future Medicinal Chemistry</i> , 2020, 12, 1253-1279.	2.3	26
61	Antibacterial Small Molecules That Potently Inhibit <i>Staphylococcus aureus</i> Lipoteichoic Acid Biosynthesis. <i>ChemMedChem</i> , 2019, 14, 1000-1004.	3.2	25
62	Signal-on electrochemical Y or junction probe detection of nucleic acid. <i>Chemical Communications</i> , 2012, 48, 7580.	4.1	24
63	Inhibition of cyclic diadenylate cyclase, DisA, by polyphenols. <i>Scientific Reports</i> , 2016, 6, 25445.	3.3	24
64	Nonpolar Nucleoside Mimics as Active Substrates for Human Thymidine Kinases. <i>Journal of the American Chemical Society</i> , 2009, 131, 5488-5494.	13.7	23
65	Alkyne-substituted diminazene as G-quadruplex binders with anticancer activities. <i>European Journal of Medicinal Chemistry</i> , 2016, 118, 266-275.	5.5	23
66	Isothermal detection of RNA with restriction endonucleases. <i>Chemical Communications</i> , 2011, 47, 200-202.	4.1	21
67	Differential binding of 2'-biotinylated analogs of c-di-GMP with c-di-GMP riboswitches and binding proteins. <i>Molecular BioSystems</i> , 2012, 8, 772-778.	2.9	21
68	Crystal Structures of the LsrR Proteins Complexed with Phospho-AI-2 and Two Signal-Interrupting Analogues Reveal Distinct Mechanisms for Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2013, 135, 15526-15535.	13.7	21
69	Use of High-Throughput Tools for Telescoped Continuous Flow Synthesis of an Alkynyl naphthyridine Anticancer Agent, HSN608. <i>Organic Process Research and Development</i> , 2020, 24, 2240-2251.	2.7	21
70	A Pro-Drug Approach for Selective Modulation of AI-2-Mediated Bacterial Cell-to-Cell Communication. <i>Sensors</i> , 2012, 12, 3762-3772.	3.8	20
71	Diamidinium and iminium aromatics as new aggregators of the bacterial signaling molecule, c-di-GMP. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 881-885.	2.2	19
72	Potent inhibition of cyclic diadenylate monophosphate cyclase by the antiparasitic drug, suramin. <i>Chemical Communications</i> , 2016, 52, 3754-3757.	4.1	19

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73	Hydroxybenzylidene-indolinones, c-di-AMP synthase inhibitors, have antibacterial and anti-biofilm activities and also re-sensitize resistant bacteria to methicillin and vancomycin. RSC Advances, 2017, 7, 8288-8294.	3.6	19
74	Interrupting cyclic dinucleotide-cGAS-STING axis with small molecules. MedChemComm, 2019, 10, 1999-2023.	3.4	19
75	Potently inhibiting cancer cell migration with novel 3H-pyrazolo[4,3-f]quinoline boronic acid ROCK inhibitors. European Journal of Medicinal Chemistry, 2019, 180, 449-456.	5.5	19
76	Potent trifluoromethoxy, trifluoromethylsulfonyl, trifluoromethylthio and pentafluorosulfanyl containing (1,3,4-oxadiazol-2-yl)benzamides against drug-resistant Gram-positive bacteria. RSC Medicinal Chemistry, 2020, 11, 102-110.	3.9	19
77	Inhibitors of fatty acid synthesis in prokaryotes and eukaryotes as anti-infective, anticancer and anti-obesity drugs. Future Medicinal Chemistry, 2012, 4, 1113-1151.	2.3	18
78	A cyclic dinucleotide containing 2-aminopurine is a general fluorescent sensor for c-di-GMP and c-di-AMP. Molecular BioSystems, 2014, 10, 1568-1575.	2.9	18
79	Synthesis of (E)-6,7-Dideoxysqualestatin H5 by Carbonyl Ylide Cycloaddition-Rearrangement and Cross-electrophile Coupling. Organic Letters, 2017, 19, 3540-3543.	4.6	18
80	Regulation of gingival epithelial cytokine response by bacterial cyclic dinucleotides. Journal of Oral Microbiology, 2019, 11, 1538927.	2.7	18
81	Ultrapotent Inhibitor of Clostridioides difficile Growth, Which Suppresses Recurrence In Vivo. Journal of Medicinal Chemistry, 2020, 63, 11934-11944.	6.4	18
82	Cyclic Dinucleotides in Oral Bacteria and in Oral Biofilms. Frontiers in Cellular and Infection Microbiology, 2017, 7, 273.	3.9	17
83	Dual FLT3/TOPK inhibitor with activity against FLT3-ITD secondary mutations potently inhibits acute myeloid leukemia cell lines. Future Medicinal Chemistry, 2018, 10, 823-835.	2.3	17
84	Zwitterionic Porous Conjugated Polymers as a Versatile Platform for Antibiofouling Implantable Bioelectronics. ACS Applied Polymer Materials, 2020, 2, 528-536.	4.4	17
85	Endo-S-c-di-GMP Analogues-Polymorphism and Binding Studies with Class I Riboswitch. Molecules, 2012, 17, 13376-13389.	3.8	16
86	Identification of New FLT3 Inhibitors That Potently Inhibit AML Cell Lines via an Azo Click-It/Staple-It Approach. ACS Medicinal Chemistry Letters, 2017, 8, 492-497.	2.8	16
87	Quorum sensing molecules regulate epithelial cytokine response and biofilm-related virulence of three Prevotella species. Anaerobe, 2018, 54, 128-135.	2.1	16
88	Aminoisoquinoline benzamides, FLT3 and Src-family kinase inhibitors, potently inhibit proliferation of acute myeloid leukemia cell lines. Future Medicinal Chemistry, 2017, 9, 1213-1225.	2.3	15
89	Proteomic analysis of RAW macrophages treated with cGAMP or c-di-GMP reveals differentially activated cellular pathways. RSC Advances, 2018, 8, 36840-36851.	3.6	15
90	One-Step Large-Scale Nanotexturing of Nonplanar PTFE Surfaces to Induce Bactericidal and Anti-inflammatory Properties. ACS Applied Materials & Interfaces, 2020, 12, 26893-26904.	8.0	14

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91	Nâ€“O Tethered Carbenoid Cyclopropanation Facilitates the Synthesis of a Functionalized Cyclopropyl-Fused Pyrrolidine. <i>Journal of Organic Chemistry</i> , 2013, 78, 6131-6142.	3.2	13
92	Identification of nicotinamide aminonaphthyridine compounds as potent RET kinase inhibitors and antitumor activities against RET rearranged lung adenocarcinoma. <i>Bioorganic Chemistry</i> , 2019, 90, 103052.	4.1	13
93	Octameric G8 c-di-GMP is an efficient peroxidase and this suggests that an open G-tetrad site can effectively enhance hemin peroxidation reactions. <i>RSC Advances</i> , 2013, 3, 6305.	3.6	12
94	Rapid nucleic acid melting analyses using a microfabricated electrochemical platform. <i>Analytica Chimica Acta</i> , 2015, 853, 265-270.	5.4	12
95	Autoinducer-2 analogs and electric fields - an antibiotic-free bacterial biofilm combination treatment. <i>Biomedical Microdevices</i> , 2016, 18, 95.	2.8	12
96	Alkynylnicotinamideâ€“Based Compounds as ABL1 Inhibitors with Potent Activities against Drugâ€“Resistant CML Harboring ABL1(T315I) Mutant Kinase. <i>ChemMedChem</i> , 2018, 13, 1172-1180.	3.2	12
97	HSD1787, a Tetrahydro-3H-Pyrazolo[4,3-f]Quinoline Compound Synthesized via Povarov Reaction, Potently Inhibits Proliferation of Cancer Cell Lines at Nanomolar Concentrations. <i>ACS Omega</i> , 2020, 5, 23799-23807.	3.5	12
98	N-(1,3,4-Oxadiazol-2-yl)Benzamides as Antibacterial Agents against <i>Neisseria gonorrhoeae</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2427.	4.1	12
99	RNAs synthesized using photocleavable biotinylated nucleotides have dramatically improved catalytic efficiency. <i>Nucleic Acids Research</i> , 2011, 39, 8559-8571.	14.5	11
100	Computational understanding and experimental characterization of twice-as-smart quadruplex ligands as chemical sensors of bacterial nucleotide second messengers. <i>Scientific Reports</i> , 2016, 6, 33888.	3.3	11
101	Fluorescent analogs of cyclic and linear dinucleotides as phosphodiesterase and oligoribonuclease activity probes. <i>RSC Advances</i> , 2017, 7, 5421-5426.	3.6	11
102	Tetrahydro-3 <i>H</i> -pyrazolo[4,3- <i>a</i>]phenanthridine-based CDK inhibitor. <i>Chemical Communications</i> , 2018, 54, 4521-4524.	4.1	11
103	Inhibitors of Intracellular Gram-Positive Bacterial Growth Synthesized via Povarovâ€“Doebner Reactions. <i>ACS Infectious Diseases</i> , 2019, 5, 1820-1830.	3.8	11
104	Amino alkynylisoquinoline and alkynylnaphthyridine compounds potently inhibit acute myeloid leukemia proliferation in mice. <i>EBioMedicine</i> , 2019, 40, 231-239.	6.1	11
105	Quorum Sensing Autoinducer-3 Finally Yields to Structural Elucidation. <i>ACS Central Science</i> , 2020, 6, 93-96.	11.3	11
106	E88, a new cyclic-di-GMP class I riboswitch aptamer from <i>Clostridium tetani</i> , has a similar fold to the prototypical class I riboswitch, Vc2, but differentially binds to c-di-GMP analogs. <i>Molecular BioSystems</i> , 2014, 10, 384-390.	2.9	10
107	On the ozonolysis of unsaturated tosylhydrazones as a direct approach to diazocarbonyl compounds. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2876-2884.	2.8	10
108	3 <i>H</i> -Pyrazolo[4,3- <i>f</i>]quinoline-Based Kinase Inhibitors Inhibit the Proliferation of Acute Myeloid Leukemia Cells In Vivo. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10981-10996.	6.4	10

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109	Selective binding of 2'-F-c-di-GMP to Ct-E88 and Cb-E43, new class I riboswitches from <i>Clostridium tetani</i> and <i>Clostridium botulinum</i> respectively. <i>Molecular BioSystems</i> , 2013, 9, 1535.	2.9	9
110	Alkaloid Synthesis via Carbenoid Intermediates. <i>Current Organic Chemistry</i> , 2015, 20, 82-101.	1.6	9
111	3-Aminooxazolidinone AHL analogs as hydrolytically-stable quorum sensing agonists in Gram-negative bacteria. <i>MedChemComm</i> , 2015, 6, 1086-1092.	3.4	9
112	Geminal dihalogen isosteric replacement in hydrated AI-2 affords potent quorum sensing modulators. <i>Chemical Communications</i> , 2015, 51, 2617-2620.	4.1	9
113	Insightful directed evolution of <i>Escherichia coli</i> quorum sensing promoter region of the <i>lsrACDBFG</i> operon: a tool for synthetic biology systems and protein expression. <i>Nucleic Acids Research</i> , 2016, 44, gkw981.	14.5	9
114	Dipeptidyl peptidase IV and quorum sensing signaling in biofilm-related virulence of <i>Prevotella aurantiaca</i> . <i>Anaerobe</i> , 2017, 48, 152-159.	2.1	9
115	Homologous Quorum Sensing Regulatory Circuit: A Dual-Input Genetic Controller for Modulating Quorum Sensing-Mediated Protein Expression in <i>E. coli</i> . <i>ACS Synthetic Biology</i> , 2020, 9, 2692-2702.	3.8	9
116	SF ₅ - and SCF ₃ -substituted tetrahydroquinoline compounds as potent bactericidal agents against multidrug-resistant persister Gram-positive bacteria. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1879-1893.	3.9	9
117	Supramolecular polymer formation by cyclic dinucleotides and intercalators affects dinucleotide enzymatic processing. <i>Future Science OA</i> , 2016, 2, FSO93.	1.9	8
118	Nicotinamide-Ponatinib Analogues as Potent Anti-CML and Anti-AML Compounds. <i>ACS Omega</i> , 2020, 5, 2690-2698.	3.5	8
119	Identification of a <i>Mycobacterium tuberculosis</i> Cyclic Dinucleotide Phosphodiesterase Inhibitor. <i>ACS Infectious Diseases</i> , 2021, 7, 309-317.	3.8	8
120	Structure-activity relationship studies of c-di-AMP synthase inhibitor, bromophenol-thiohydantoin. <i>Tetrahedron</i> , 2016, 72, 3554-3558.	1.9	7
121	Quorum-sensing molecule dihydroxy-2,3-pentanedione and its analogs as regulators of epithelial integrity. <i>Journal of Periodontal Research</i> , 2018, 53, 414-421.	2.7	7
122	Berenil Binds Tightly to Parallel and Mixed Parallel/Antiparallel G-Quadruplex Motifs with Varied Thermodynamic Signatures. <i>ACS Omega</i> , 2018, 3, 11582-11591.	3.5	7
123	Activation of Gingival Fibroblasts by Bacterial Cyclic Dinucleotides and Lipopolysaccharide. <i>Pathogens</i> , 2020, 9, 792.	2.8	7
124	Global Proteomic Analyses of STING-Positive and -Negative Macrophages Reveal STING and Non-STING Differentially Regulated Cellular and Molecular Pathways. <i>Proteomics - Clinical Applications</i> , 2020, 14, e1900109.	1.6	7
125	Bacterial Cyclic Dinucleotides and the cGAS-cGAMP-STING Pathway: A Role in Periodontitis?. <i>Pathogens</i> , 2021, 10, 675.	2.8	7
126	Membrane Affinity of Platensimycin and Its Dialkylamine Analogs. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17909-17932.	4.1	6

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127	Construction and characterization of a multilayered gingival keratinocyte culture model: the TURK-U model. <i>Cytotechnology</i> , 2016, 68, 2345-2354.	1.6	6
128	Cyclic dinucleotide detection with riboswitch ^{â€} G-quadruplex hybrid. <i>Molecular BioSystems</i> , 2016, 12, 773-777.	2.9	6
129	Miniaturized whole-cell bacterial bioreporter assay for identification of quorum sensing interfering compounds. <i>Journal of Microbiological Methods</i> , 2018, 154, 40-45.	1.6	6
130	Alkene protection against acid using a bromide substituent: application in a total synthesis of (â€)-6,7-dideoxysqualestatin H5. <i>Chemical Communications</i> , 2018, 54, 5354-5356.	4.1	6
131	Ligand-Based Stability Changes in Duplex DNA Measured with a Microscale Electrochemical Platform. <i>Biosensors</i> , 2019, 9, 54.	4.7	6
132	Mechanistic Studies and <i>In Vivo</i> Efficacy of an Oxadiazole-Containing Antibiotic. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6612-6630.	6.4	6
133	Convenient detection of HPV virus in a clinical sample using concurrent rolling circle and junction probe amplifications. <i>Chemical Communications</i> , 2014, 50, 7147-7149.	4.1	5
134	Zwitterionic liquid crystalline polythiophene as an antibiofouling biomaterial. <i>Journal of Materials Chemistry B</i> , 2021, 9, 349-356.	5.8	5
135	Global proteomics of fibroblast cells treated with bacterial cyclic dinucleotides, c-di-GMP and c-di-AMP. <i>Journal of Oral Microbiology</i> , 2022, 14, 2003617.	2.7	5
136	Probe design rules and effective enzymes for endonuclease-based detection of nucleic acids. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6181-6185.	3.0	4
137	Starving Bacteria of Iron: A Potential Strategy to Disperse Bacterial Biofilms. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7272-7274.	6.4	4
138	c-di-GMP Induces COX-2 Expression in Macrophages in a STING-Independent Manner. <i>ACS Chemical Biology</i> , 2021, 16, 1663-1670.	3.4	4
139	Molecular Insights into How Ligands Activate or Inactivate LasR. <i>Chemistry and Biology</i> , 2014, 21, 1261-1263.	6.0	3
140	Discriminating cyclic from linear nucleotides ^{â€} CRISPR/Cas-related cyclic hexaadenosine monophosphate as a case study. <i>Analytical Biochemistry</i> , 2019, 567, 21-26.	2.4	3
141	A STING-based fluorescent polarization assay for monitoring activities of cyclic dinucleotide metabolizing enzymes. <i>RSC Chemical Biology</i> , 2021, 2, 206-214.	4.1	3
142	Squarate desymmetrisation ^{â€} ozonolysis as an approach to ^Î 2-substituted- ^Î ketosuccinates and squalestatin synthesis. <i>Tetrahedron</i> , 2019, 75, 130747.	1.9	2
143	Alkylation of lithiated dimethyl tartrate acetonide with unactivated alkyl halides and application to an asymmetric synthesis of the 2,8-dioxabicyclo[3.2.1]octane core of squalestatins/zaragozic acids. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1194-1202.	2.2	2
144	Detection of Single-Stranded Nucleic Acids via Colorimetric Means, Using G-Quadruplex Probes. <i>Methods in Molecular Biology</i> , 2013, 1039, 153-159.	0.9	2

#	ARTICLE	IF	CITATIONS
145	Targeting Cyclic Dinucleotide Signaling with Small Molecules. , 2020, , 577-591.		2
146	Comparative Studies to Uncover Mechanisms of Action of <i>N</i> -(1,3,4-Oxadiazol-2-yl)benzamide Containing Antibacterial Agents. ACS Infectious Diseases, 2022, 8, 865-877.	3.8	2
147	Membrane acting Povarov-Doebner derived compounds potently disperse preformed multidrug resistant Gram-positive bacterial biofilms. European Journal of Medicinal Chemistry, 2022, , 114550.	5.5	2
148	Fluorescent 2-Aminopurine c-di-GMP and GpG Analogs as PDE Probes. Methods in Molecular Biology, 2017, 1657, 245-261.	0.9	1
149	Temperature-controlled electrochemical microwell platform for studying biomolecular interactions. , 2013, , .		0
150	Rolling out High Molecular Weight Proteins, which Contain Repeating Polypeptide Motif, by Using Rolling Circle Amplification. ChemBioChem, 2013, 14, 1929-1930.	2.6	0
151	Synthesis of a Biotinylated Photocleavable Nucleotide Monophosphate for the Preparation of Natively Folded RNAs. Methods in Enzymology, 2014, 549, 115-131.	1.0	0
152	KRX-101, a Novel FLT3 Inhibitor, Potently Active Against Resistant FLT3-ITD/FLT3-TKD Mutant AML in Vitro and In Vivo. Blood, 2018, 132, 4049-4049.	1.4	0