Herman O Sintim

List of Publications by Year
in descending order

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	Comparative Studies to Uncover Mechanisms of Action of N-(1,3,4-Oxadiazol-2-yl)benzamide Containing Antibacterial Agents. ACS Infectious Diseases, 2022, 8, 865-877.	3.8	2
2	Global proteomics of fibroblast cells treated with bacterial cyclic dinucleotides, c-di-GMP and c-di-AMP. Journal of Oral Microbiology, 2022, 14, 2003617.	2.7	5
3	Mechanistic Studies and In Vivo Efficacy of an Oxadiazole-Containing Antibiotic. Journal of Medicinal Chemistry, 2022, 65, 6612-6630.	6.4	6
4	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
5	Identification of a Mycobacterium tuberculosis Cyclic Dinucleotide Phosphodiesterase Inhibitor. ACS Infectious Diseases, 2021, 7, 309-317.	3.8	8
6	Zwitterionic liquid crystalline polythiophene as an antibiofouling biomaterial. Journal of Materials Chemistry B, 2021, 9, 349-356.	5.8	5
7	SF₅- and SCF₃-substituted tetrahydroquinoline compounds as potent bactericidal agents against multidrug-resistant persister Gram-positive bacteria. RSC Medicinal Chemistry, 2021, 12, 1879-1893.	3.9	9
8	A STING-based fluorescent polarization assay for monitoring activities of cyclic dinucleotide metabolizing enzymes. RSC Chemical Biology, 2021, 2, 206-214.	4.1	3
9	N-(1,3,4-Oxadiazol-2-yl)Benzamides as Antibacterial Agents against Neisseria gonorrhoeae. International Journal of Molecular Sciences, 2021, 22, 2427.	4.1	12
10	Bacterial Cyclic Dinucleotides and the cGASâ€“cGAMPâ€“STING Pathway: A Role in Periodontitis?. Pathogens, 2021, 10, 675.	2.8	7
11	Starving Bacteria of Iron: A Potential Strategy to Disperse Bacterial Biofilms. Journal of Medicinal Chemistry, 2021, 64, 7272-7274.	6.4	4
12	3H-Pyrazolo[4,3-f]quinoline-Based Kinase Inhibitors Inhibit the Proliferation of Acute Myeloid Leukemia Cells In Vivo. Journal of Medicinal Chemistry, 2021, 64, 10981-10996.	6.4	10
13	c-di-GMP Induces COX-2 Expression in Macrophages in a STING-Independent Manner. ACS Chemical Biology, 2021, 16, 1663-1670.	3.4	4
14	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
15	Use of High-Throughput Tools for Telescoped Continuous Flow Synthesis of an Alkynylnaphthyridine Anticancer Agent, HSN608. Organic Process Research and Development, 2020, 24, 2240-2251.	2.7	21
16	Activation of Gingival Fibroblasts by Bacterial Cyclic Dinucleotides and Lipopolysaccharide. Pathogens, 2020, 9, 792.	2.8	7
17	Ultrapotent Inhibitor of Clostridioides difficile Growth, Which Suppresses Recurrence In Vivo. Journal of Medicinal Chemistry, 2020, 63, 11934-11944.	6.4	18
18	HSD1787, a Tetrahydro-3H-Pyrazolo[4,3-f]Quinoline Compound Synthesized via Povarov Reaction, Potently Inhibits Proliferation of Cancer Cell Lines at Nanomolar Concentrations. ACS Omega, 2020, 5, 23799-23807.	3.5	12

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19	Homologous Quorum Sensing Regulatory Circuit: A Dual-Input Genetic Controller for Modulating Quorum Sensing-Mediated Protein Expression in E. coli. ACS Synthetic Biology, 2020, 9, 2692-2702.	3.8	9
20	Lipoteichoic Acid Biosynthesis Inhibitors as Potent Inhibitors of S. aureus and E. faecalis Growth and Biofilm Formation. Molecules, 2020, 25, 2277.	3.8	28
21	Multiple ways to kill bacteria via inhibiting novel cell wall or membrane targets. Future Medicinal Chemistry, 2020, 12, 1253-1279.	2.3	26
22	Nicotinamideâ€“Ponatinib Analogues as Potent Anti-CML and Anti-AML Compounds. ACS Omega, 2020, 5, 2690-2698.	3.5	8
23	Global Proteomic Analyses of STINGâ€Positive and â€Negative Macrophages Reveal STING and Nonâ€STING Differentially Regulated Cellular and Molecular Pathways. Proteomics - Clinical Applications, 2020, 14, e1900109.	1.6	7
24	Quorum Sensing Autoinducer-3 Finally Yields to Structural Elucidation. ACS Central Science, 2020, 6, 93-96.	11.3	11
25	Targeting Cyclic Dinucleotide Signaling with Small Molecules. , 2020, , 577-591.		2
26	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
27	Zwitterionic Porous Conjugated Polymers as a Versatile Platform for Antibiofouling Implantable Bioelectronics. ACS Applied Polymer Materials, 2020, 2, 528-536.	4.4	17
28	Interrupting cyclic dinucleotide-cGASâ€“STING axis with small molecules. MedChemComm, 2019, 10, 1999-2023.	3.4	19
29	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
30	Squarate desymmetrisationâ€“ozonolysis as an approach to Î²-substituted-Î±-ketosuccinates and squalestatin synthesis. Tetrahedron, 2019, 75, 130747.	1.9	2
31	Inhibitors of Intracellular Gram-Positive Bacterial Growth Synthesized via Povarovâ€“Doebner Reactions. ACS Infectious Diseases, 2019, 5, 1820-1830.	3.8	11
32	Amino alkynylisoquinoline and alkynylnaphthyridine compounds potently inhibit acute myeloid leukemia proliferation in mice. EBioMedicine, 2019, 40, 231-239.	6.1	11
33	Identification of nicotinamide aminonaphthyridine compounds as potent RET kinase inhibitors and antitumor activities against RET rearranged lung adenocarcinoma. Bioorganic Chemistry, 2019, 90, 103052.	4.1	13
34	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. Beilstein Journal of Organic Chemistry, 2019, 15, 1194-1202.	2.2	2
35	Ligand-Based Stability Changes in Duplex DNA Measured with a Microscale Electrochemical Platform. Biosensors, 2019, 9, 54.	4.7	6
36	Proteomic analysis of bacterial response to a 4-hydroxybenzylidene indolinone compound, which re-sensitizes bacteria to traditional antibiotics. Journal of Proteomics, 2019, 202, 103368.	2.4	27

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37	Antibacterial Small Molecules That Potently Inhibit Staphylococcus aureus Lipoteichoic Acid Biosynthesis. ChemMedChem, 2019, 14, 1000-1004.	3.2	25
38	ENPP1, an Old Enzyme with New Functions, and Small Molecule Inhibitorsâ€"A STING in the Tale of ENPP1. Molecules, 2019, 24, 4192.	3.8	66
39	Regulation of gingival epithelial cytokine response by bacterial cyclic dinucleotides. Journal of Oral Microbiology, 2019, 11, 1538927.	2.7	18
40	Discriminating cyclic from linear nucleotides â^' CRISPR/Cas-related cyclic hexaadenosine monophosphate as a case study. Analytical Biochemistry, 2019, 567, 21-26.	2.4	3
41	3H-pyrazolo[4,3-f]quinoline haspin kinase inhibitors and anticancer properties. Bioorganic Chemistry, 2018, 78, 418-426.	4.1	35
42	On the ozonolysis of unsaturated tosylhydrazones as a direct approach to diazocarbonyl compounds. Organic and Biomolecular Chemistry, 2018, 16, 2876-2884.	2.8	10
43	AlkynylnicotinamideâEBased Compounds as ABL1 Inhibitors with Potent Activities against DrugâEResistant CML Harboring ABL1(T315I) Mutant Kinase. ChemMedChem, 2018, 13, 1172-1180.	3.2	12
44	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
45	Quorumâ€sensing molecule dihydroxyâ€2,3â€pentanedione and its analogs as regulators of epithelial integrity. Journal of Periodontal Research, 2018, 53, 414-421.	2.7	7
46	Tetrahydro-3H-pyrazolo[4,3-a]phenanthridine-based CDK inhibitor. Chemical Communications, 2018, 54, 4521-4524.	4.1	11
47	Suramin potently inhibits cGAMP synthase, cGAS, in THP1 cells to modulate IFN-Î² levels. Future Medicinal Chemistry, 2018, 10, 1301-1317.	2.3	78
48	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
49	Berenil Binds Tightly to Parallel and Mixed Parallel/Antiparallel G-Quadruplex Motifs with Varied Thermodynamic Signatures. ACS Omega, 2018, 3, 11582-11591.	3.5	7
50	Miniaturized whole-cell bacterial bioreporter assay for identification of quorum sensing interfering compounds. Journal of Microbiological Methods, 2018, 154, 40-45.	1.6	6
51	Quorum sensing molecules regulate epithelial cytokine response and biofilm-related virulence of three Prevotella species. Anaerobe, 2018, 54, 128-135.	2.1	16
52	Evidence of link between quorum sensing and sugar metabolism in Escherichia coli revealed via cocrystal structures of LsrK and HPr. Science Advances, 2018, 4, eaar7063.	10.3	68
53	Alkene protection against acid using a bromide substituent: application in a total synthesis of (â^')-6,7-dideoxysqualestatin H5. Chemical Communications, 2018, 54, 5354-5356.	4.1	6
54	N-(1,3,4-oxadiazol-2-yl)benzamide analogs, bacteriostatic agents against methicillin- and vancomycin-resistant bacteria. European Journal of Medicinal Chemistry, 2018, 155, 797-805.	5.5	34

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55	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
56	Fluorescent analogs of cyclic and linear dinucleotides as phosphodiesterase and oligoribonuclease activity probes. RSC Advances, 2017, 7, 5421-5426.	3.6	11
57	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
58	Synthesis of (â˜)-6,7-Dideoxysqualestatin H5 by Carbonyl Ylide Cycloadditionâ€“Rearrangement and Cross-electrophile Coupling. Organic Letters, 2017, 19, 3540-3543.	4.6	18
59	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
60	Hydroxybenzylidene-indolinones, c-di-AMP synthase inhibitors, have antibacterial and anti-biofilm activities and also re-sensitize resistantÂbacteria to methicillin and vancomycin. RSC Advances, 2017, 7, 8288-8294.	3.6	19
61	Inhibition of innate immune cytosolic surveillance by an M. tuberculosis phosphodiesterase. Nature Chemical Biology, 2017, 13, 210-217.	8.0	96
62	Dipeptidyl peptidase IV and quorum sensing signaling in biofilm-related virulence of Prevotella aurantiaca. Anaerobe, 2017, 48, 152-159.	2.1	9
63	Targeting c-di-GMP Signaling, Biofilm Formation, and Bacterial Motility with Small Molecules. Methods in Molecular Biology, 2017, 1657, 419-430.	0.9	28
64	Fluorescent 2-Aminopurine c-di-GMP and GpG Analogs as PDE Probes. Methods in Molecular Biology, 2017, 1657, 245-261.	0.9	1
65	Cyclic Dinucleotides in Oral Bacteria and in Oral Biofilms. Frontiers in Cellular and Infection Microbiology, 2017, 7, 273.	3.9	17
66	Supramolecular polymer formation by cyclic dinucleotides and intercalators affects dinucleotide enzymatic processing. Future Science OA, 2016, 2, FSO93.	1.9	8
67	Biofilms as â€œConnectorsâ€•for Oral and Systems Medicine: A New Opportunity for Biomarkers, Molecular Targets, and Bacterial Eradication. OMICS A Journal of Integrative Biology, 2016, 20, 3-11.	2.0	28
68	Insightful directed evolution ofEscherichia coliquorum sensing promoter region of thelsrACDBFGoperon: a tool for synthetic biology systems and protein expression. Nucleic Acids Research, 2016, 44, gkw981.	14.5	9
69	Autoinducer-2 analogs and electric fields - an antibiotic-free bacterial biofilm combination treatment. Biomedical Microdevices, 2016, 18, 95.	2.8	12
70	Construction and characterization of a multilayered gingival keratinocyte culture model: the TURK-U model. Cytotechnology, 2016, 68, 2345-2354.	1.6	6
71	Inhibition of cyclic diadenylate cyclase, DisA, by polyphenols. Scientific Reports, 2016, 6, 25445.	3.3	24
72	Computational understanding and experimental characterization of twice-as-smart quadruplex ligands as chemical sensors of bacterial nucleotide second messengers. Scientific Reports, 2016, 6, 33888.	3.3	11

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73	Cyclic dinucleotide (c-di-GMP, c-di-AMP, and cGAMP) signalings have come of age to be inhibited by small molecules. Chemical Communications, 2016, 52, 9327-9342.	4.1	78
74	Inhibition of P. aeruginosa c-di-GMP phosphodiesterase RocR and swarming motility by a benzoisothiazolinone derivative. Chemical Science, 2016, 7, 6238-6244.	7.4	39
75	Alkyne-substituted diminazene as G-quadruplex binders with anticancer activities. European Journal of Medicinal Chemistry, 2016, 118, 266-275.	5.5	23
76	Potent inhibition of cyclic diadenylate monophosphate cyclase by the antiparasitic drug, suramin. Chemical Communications, 2016, 52, 3754-3757.	4.1	19
77	Cyclic dinucleotide detection with riboswitchâ€“G-quadruplex hybrid. Molecular BioSystems, 2016, 12, 773-777.	2.9	6
78	Fluorescence, Phosphorescence, and Chemiluminescence. Analytical Chemistry, 2016, 88, 170-202.	6.5	95
79	Structureâ€“activity relationship studies of c-di-AMP synthase inhibitor, bromophenol-thiohydantoin. Tetrahedron, 2016, 72, 3554-3558.	1.9	7
80	Membrane Affinity of Platensimycin and Its Dialkylamine Analogs. International Journal of Molecular Sciences, 2015, 16, 17909-17932.	4.1	6
81	Alkaloid Synthesis via Carbenoid Intermediates. Current Organic Chemistry, 2015, 20, 82-101.	1.6	9
82	Bacterial Secretions of Nonpathogenic Escherichia coli Elicit Inflammatory Pathways: a Closer Investigation of Interkingdom Signaling. MBio, 2015, 6, e00025.	4.1	67
83	3-Aminooxazolidinone AHL analogs as hydrolytically-stable quorum sensingagonists in Gram-negative bacteria. MedChemComm, 2015, 6, 1086-1092.	3.4	9
84	Biofilm formation mechanisms and targets for developing antibiofilm agents. Future Medicinal Chemistry, 2015, 7, 493-512.	2.3	492
85	Agents that inhibit bacterial biofilm formation. Future Medicinal Chemistry, 2015, 7, 647-671.	2.3	226
86	Unraveling Curcumin Degradation. Journal of Biological Chemistry, 2015, 290, 4817-4828.	3.4	129
87	Oligoribonuclease is the primary degradative enzyme for pGpG in Pseudomonas aeruginosa that is required for cyclic-di-GMP turnover. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5048-57.	7.1	117
88	Geminal dihalogen isosteric replacement in hydrated AI-2 affords potent quorum sensing modulators. Chemical Communications, 2015, 51, 2617-2620.	4.1	9
89	Rapid nucleic acid melting analyses using a microfabricated electrochemical platform. Analytica Chimica Acta, 2015, 853, 265-270.	5.4	12
90	Synthesis of a Biotinylated Photocleavable Nucleotide Monophosphate for the Preparation of Natively Folded RNAs. Methods in Enzymology, 2014, 549, 115-131.	1.0	0

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91	Isothermal amplified detection of DNA and RNA. Molecular BioSystems, 2014, 10, 970.	2.9	354
92	Evolved Quorum Sensing Regulator, LsrR, for Altered Switching Functions. ACS Synthetic Biology, 2014, 3, 210-219.	3.8	28
93	Molecular Insights into How Ligands Activate or Inactivate LasR. Chemistry and Biology, 2014, 21, 1261-1263.	6.0	3
94	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. Molecular BioSystems, 2014, 10, 2724-2734.	2.9	35
95	E88, a new cyclic-di-GMP class I riboswitch aptamer fromClostridium tetani, has a similar fold to the prototypical class I riboswitch, Vc2, but differentially binds to c-di-GMP analogs. Molecular BioSystems, 2014, 10, 384-390.	2.9	10
96	Identification of bromophenol thiohydantoin as an inhibitor of DisA, a c-di-AMP synthase, from a 1000 compound library, using the coralyne assay. Chemical Communications, 2014, 50, 11234-11237.	4.1	30
97	Convenient detection of HPV virus in a clinical sample using concurrent rolling circle and junction probe amplifications. Chemical Communications, 2014, 50, 7147-7149.	4.1	5
98	Unexpected Complex Formation between Coralyne and Cyclic Diadenosine Monophosphate Providing a Simple Fluorescent Turn-on Assay to Detect This Bacterial Second Messenger. Analytical Chemistry, 2014, 86, 2412-2420.	6.5	32
99	A cyclic dinucleotide containing 2-aminopurine is a general fluorescent sensor for c-di-GMP and 3â€²,3â€²-cGAMP. Molecular BioSystems, 2014, 10, 1568-1575.	2.9	18
100	STING Ligand c-di-GMP Improves Cancer Vaccination against Metastatic Breast Cancer. Cancer Immunology Research, 2014, 2, 901-910.	3.4	187
101	Crystal Structures of the LsrR Proteins Complexed with Phospho-AI-2 and Two Signal-Interrupting Analogues Reveal Distinct Mechanisms for Ligand Recognition. Journal of the American Chemical Society, 2013, 135, 15526-15535.	13.7	21
102	Probe design rules and effective enzymes for endonuclease-based detection of nucleic acids. Bioorganic and Medicinal Chemistry, 2013, 21, 6181-6185.	3.0	4
103	Octameric G8 c-di-GMP is an efficient peroxidase and this suggests that an open G-tetrad site can effectively enhance hemin peroxidation reactions. RSC Advances, 2013, 3, 6305.	3.6	12
104	Nucleotide, c-di-GMP, c-di-AMP, cGMP, cAMP, (p)ppGpp signaling in bacteria and implications in pathogenesis. Chemical Society Reviews, 2013, 42, 305-341.	38.1	315
105	Selective binding of 2â€²-F-c-di-GMP to Ct-E88 and Cb-E43, new class I riboswitches from Clostridium tetani and Clostridium botulinum respectively. Molecular BioSystems, 2013, 9, 1535.	2.9	9
106	Potent suppression of c-di-GMP synthesis via I-site allosteric inhibition of diguanylate cyclases with 2â€²-F-c-di-GMP. Bioorganic and Medicinal Chemistry, 2013, 21, 4396-4404.	3.0	45
107	Nâ€“O Tethered Carbenoid Cyclopropanation Facilitates the Synthesis of a Functionalized Cyclopropyl-Fused Pyrrolidine. Journal of Organic Chemistry, 2013, 78, 6131-6142.	3.2	13
108	Temperature-controlled electrochemical microwell platform for studying biomolecular interactions. , 2013, , .		0

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109	Nucleic acid detection using G-quadruplex amplification methodologies. Methods, 2013, 64, 185-198.	3.8	43
110	AI-2 analogs and antibiotics: a synergistic approach to reduce bacterial biofilms. Applied Microbiology and Biotechnology, 2013, 97, 2627-2638.	3.6	87
111	Small Molecule Inhibitors of AI-2 Signaling in Bacteria: State-of-the-Art and Future Perspectives for Anti-Quorum Sensing Agents. International Journal of Molecular Sciences, 2013, 14, 17694-17728.	4.1	60
112	â€œRolling outâ€•Highâ€Molecularâ€Weight Proteins, which Contain Repeating Polypeptide Motif, by Using Rolling Circle Amplification. ChemBioChem, 2013, 14, 1929-1930.	2.6	0
113	Detection of Single-Stranded Nucleic Acids via Colorimetric Means, Using G-Quadruplex Probes. Methods in Molecular Biology, 2013, 1039, 153-159.	0.9	2
114	A Pro-Drug Approach for Selective Modulation of AI-2-Mediated Bacterial Cell-to-Cell Communication. Sensors, 2012, 12, 3762-3772.	3.8	20
115	A rapid assay for affinity and kinetics of molecular interactions with nucleic acids. Nucleic Acids Research, 2012, 40, e48-e48.	14.5	30
116	Nanomolar fluorescent detection of c-di-GMP using a modular aptamer strategy. Chemical Communications, 2012, 48, 9059.	4.1	68
117	Signal-on electrochemical Y or junction probe detection of nucleic acid. Chemical Communications, 2012, 48, 7580.	4.1	24
118	A C-di-GMPâ€“proflavineâ€“hemin supramolecular complex has peroxidase activityâ€”implication for a simple colorimetric detection. Molecular BioSystems, 2012, 8, 726.	2.9	30
119	Investigating the interactions between cations, peroxidation substrates and G-quadruplex topology in DNAzyme peroxidation reactions using statistical testing. Analytica Chimica Acta, 2012, 747, 1-6.	5.4	28
120	Differential binding of 2â€²-biotinylated analogs of c-di-GMP with c-di-GMP riboswitches and binding proteins. Molecular BioSystems, 2012, 8, 772-778.	2.9	21
121	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
122	Endo-S-c-di-GMP Analogues-Polymorphism and Binding Studies with Class I Riboswitch. Molecules, 2012, 17, 13376-13389.	3.8	16
123	Molecular Fluorescence, Phosphorescence, and Chemiluminescence Spectrometry. Analytical Chemistry, 2012, 84, 597-625.	6.5	83
124	Altering the Communication Networks of Multispecies Microbial Systems Using a Diverse Toolbox of AI-2 Analogues. ACS Chemical Biology, 2012, 7, 1023-1030.	3.4	45
125	Diamidinium and iminium aromatics as new aggregators of the bacterial signaling molecule, c-di-GMP. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 881-885.	2.2	19
126	Isothermal detection of RNA with restriction endonucleases. Chemical Communications, 2011, 47, 200-202.	4.1	21

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127	c-di-GMP can form remarkably stable G-quadruplexes at physiological conditions in the presence of some planar intercalators. Chemical Communications, 2011, 47, 4766.	4.1	49
128	Effects on Membrane Lateral Pressure Suggest Permeation Mechanisms for Bacterial Quorum Signaling Molecules. Biochemistry, 2011, 50, 6983-6993.	2.5	41
129	Thiazole Orange-Induced c-di-GMP Quadruplex Formation Facilitates a Simple Fluorescent Detection of This Ubiquitous Biofilm Regulating Molecule. Journal of the American Chemical Society, 2011, 133, 4856-4864.	13.7	74
130	Conservative Change to the Phosphate Moiety of Cyclic Diguanylic Monophosphate Remarkably Affects Its Polymorphism and Ability To Bind DGC, PDE, and PilZ Proteins. Journal of the American Chemical Society, 2011, 133, 9320-9330.	13.7	50
131	DNAâ€Based Peroxidation Catalystâ€"What Is the Exact Role of Topology on Catalysis and Is There a Special Binding Site for Catalysis?. Chemistry - A European Journal, 2011, 17, 5691-5698.	3.3	80
132	Dialkylaminoâ€2,4â€dihydroxybenzoic Acids as Easily Synthesized Analogues of Platensimycin and Platencin with Comparable Antibacterial Properties. Chemistry - A European Journal, 2011, 17, 3352-3357.	3.3	31
133	RNAs synthesized using photocleavable biotinylated nucleotides have dramatically improved catalytic efficiency. Nucleic Acids Research, 2011, 39, 8559-8571.	14.5	11
134	Differential radial capillary action of ligand assay for high-throughput detection of protein-metabolite interactions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15528-15533.	7.1	177
135	Evidence of magnetic isotope effects during thermochemical sulfate reduction. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17635-17638.	7.1	85
136	Paradigm shift in discovering next-generation anti-infective agents: targeting quorum sensing, c-di-GMP signaling and biofilm formation in bacteria with small molecules. Future Medicinal Chemistry, 2010, 2, 1005-1035.	2.3	131
137	Remote Cï£¿H Functionalization: Using the Nï£¿O Moiety as an Atomâ€Economical Tether to Obtain 1,5â€•and the Rare 1,7â€Cï£¿H Insertions. Angewandte Chemie - International Edition, 2010, 49, 3964-3968.	13.8	27
138	Synthetic Analogs Tailor Native AI-2 Signaling Across Bacterial Species. Journal of the American Chemical Society, 2010, 132, 11141-11150.	13.7	66
139	Efforts towards the Identification of Simpler Platensimycin Analoguesâ€"The Total Synthesis of Oxazinidinyl Platensimycin. Chemistry - A European Journal, 2009, 15, 2747-2750.	3.3	44
140	Nonpolar Nucleoside Mimics as Active Substrates for Human Thymidine Kinases. Journal of the American Chemical Society, 2009, 131, 5488-5494.	13.7	23
141	Biological screening of a diverse set of AI-2 analogues in Vibrio harveyi suggests that receptors which are involved in synergistic agonism of AI-2 and analogues are promiscuous. Chemical Communications, 2009, , 7033.	4.1	45
142	Colorimetric Split G-Quadruplex Probes for Nucleic Acid Sensing: Improving Reconstituted DNAzymeâ€™s Catalytic Efficiency via Probe Remodeling. Journal of the American Chemical Society, 2009, 131, 10320-10333.	13.7	194
143	Biomolecule detection with peroxidase-mimicking DNAzymes; expanding detection modality with fluorogenic compounds. Molecular BioSystems, 2009, 6, 95-97.	2.9	50
144	Junction Probes â˜’ Sequence Specific Detection of Nucleic Acids via Template Enhanced Hybridization Processes. Journal of the American Chemical Society, 2008, 130, 12560-12561.	13.7	92

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145	A simple solid-phase synthesis of the ubiquitous bacterial signaling molecule, c-di-GMP and analogues. Molecular BioSystems, 2008, 4, 518.	2.9	44
146	The difluorotoluene debateâ€"a decade later. Chemical Communications, 2006, , 3665-3675.	4.1	91
147	Enhanced Base Pairing and Replication Efficiency of Thiothymidines, Expanded-size Variants of Thymidine. Journal of the American Chemical Society, 2006, 128, 396-397.	13.7	65
148	Remarkable Sensitivity to DNA Base Shape in the DNA Polymerase Active Site. Angewandte Chemie - International Edition, 2006, 45, 1974-1979.	13.8	58
149	Utility of the Ammonia-Free Birch Reduction of Electron-Deficient Pyrroles: Total Synthesis of the 20S Proteasome Inhibitor,clasto-Lactacystin Î²-Lactone. Chemistry - A European Journal, 2005, 11, 4227-4238.	3.3	50
150	A Noncarbohydrate Based Approach to Polyhydroxylated Pyrrolidizines:Â Total Syntheses of the Natural Products Hyacinthacine A1and 1-Epiaustraline. Journal of Organic Chemistry, 2005, 70, 7297-7304.	3.2	78
151	An Efficient Synthesis of LactacystinÎ²-Lactone. Angewandte Chemie - International Edition, 2004, 43, 2293-2296.	13.8	59
152	A Concise Total Synthesis of (Â±)-1-Epiaustraline. Organic Letters, 2004, 6, 2003-2006.	4.6	50