

Roberta J Melander

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144
papers

5,428
citations

44
h-index

68
g-index

151
ext. papers

6,104
ext. citations

5.3
avg, IF

5.99
L-index

#	Paper	IF	Citations
144	Phenotypic screening of compound libraries as a platform for the identification of antibiotic adjuvants: Identification of colistin adjuvants from a natural product library.. <i>Methods in Enzymology</i> , 2022 , 665, 153-176	1.7	
143	Synthesis, Stereochemical Confirmation, and Derivatization of a Clerodane Diterpene That Sensitizes Methicillin-Resistant Staphylococcus aureus to β -Lactam Antibiotics.. <i>Angewandte Chemie - International Edition</i> , 2022 ,	16.4	2
142	Development of small molecules that work cooperatively with ciprofloxacin to clear salmonella biofilms in a chronic gallbladder carriage model.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 232, 114203	6.8	0
141	Identification of a Host-Targeted Compound to Control Typhoid Fever.. <i>Microbiology Spectrum</i> , 2022 , e0061922	8.9	
140	Benzimidazole Isosteres of Salicylanilides Are Highly Active Colistin Adjuvants. <i>ACS Infectious Diseases</i> , 2021 , 7, 3303-3313	5.5	0
139	Cheminformatics Analysis of Fluoroquinolones and their Inhibition Potency Against Four Pathogens. <i>Molecular Informatics</i> , 2021 , 40, e2000215	3.8	
138	A scaffold hopping strategy to generate new aryl-2-amino pyrimidine MRSA biofilm inhibitors. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 293-296	3.5	1
137	Eukaryotic phosphatase inhibitors enhance colistin efficacy in gram-negative bacteria. <i>Chemical Biology and Drug Design</i> , 2020 , 96, 1180-1186	2.9	3
136	Natural products as inspiration for the development of bacterial antibiofilm agents. <i>Natural Product Reports</i> , 2020 , 37, 1454-1477	15.1	21
135	A Clerodane Diterpene from Resensitizes Methicillin-Resistant to β -Lactam Antibiotics. <i>ACS Infectious Diseases</i> , 2020 , 6, 1667-1673	5.5	5
134	A dual-therapy approach for the treatment of biofilm-mediated Salmonella gallbladder carriage. <i>PLoS Pathogens</i> , 2020 , 16, e1009192	7.6	2
133	Meridianin D analogues possess antibiofilm activity against. <i>RSC Medicinal Chemistry</i> , 2020 , 11, 92-97	3.5	3
132	Structure-Function Studies on IMD-0354 Identifies Highly Active Colistin Adjuvants. <i>ChemMedChem</i> , 2020 , 15, 210-218	3.7	6
131	Synthesis and biofilm inhibition studies of 2-(2-amino-6-arylpyrimidin-4-yl)quinazolin-4(3H)-ones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127550	2.9	2
130	Second-Generation Meridianin Analogues Inhibit the Formation of Mycobacterium smegmatis Biofilms and Sensitize Polymyxin-Resistant Gram-Negative Bacteria to Colistin. <i>ChemMedChem</i> , 2020 , 15, 1672-1679	3.7	4
129	Augmenting the Activity of Macrolide Adjuvants against. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 1723-1731	4.1	2
128	Screening an Established Natural Product Library Identifies Secondary Metabolites That Potentiate Conventional Antibiotics. <i>ACS Infectious Diseases</i> , 2020 , 6, 2629-2640	5.5	7

127	Anti-biofilm activity of quinazoline derivatives against. <i>MedChemComm</i> , 2019 , 10, 1177-1179	5	8
126	Small Molecule Potentiation of Gram-Positive Selective Antibiotics against. <i>ACS Infectious Diseases</i> , 2019 , 5, 1223-1230	5.5	12
125	Second-Generation Tryptamine Derivatives Potently Sensitize Colistin Resistant Bacteria to Colistin. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 828-833	4.3	10
124	Tryptamine derivatives disarm colistin resistance in polymyxin-resistant gram-negative bacteria. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 1776-1788	3.4	14
123	Identification of Anti-Mycobacterial Biofilm Agents Based on the 2-Aminoimidazole Scaffold. <i>ChemMedChem</i> , 2019 , 14, 927-937	3.7	6
122	Using 2-aminobenzimidazole derivatives to inhibit biofilm formation. <i>MedChemComm</i> , 2019 , 10, 456-459	5	6
121	Repurposing Eukaryotic Kinase Inhibitors as Colistin Adjuvants in Gram-Negative Bacteria. <i>ACS Infectious Diseases</i> , 2019 , 5, 1764-1771	5.5	15
120	Strategies for the Eradication of Biofilm-Based Bacterial Infections 2019 , 499-526		0
119	2-aminoimidazoles collapse mycobacterial proton motive force and block the electron transport chain. <i>Scientific Reports</i> , 2019 , 9, 1513	4.9	13
118	Using Small-Molecule Adjuvants to Repurpose Azithromycin for Use against <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2019 , 5, 141-151	5.5	17
117	Electrochemical Detection of Small Molecule Induced Biofilm Dispersion. <i>Electrochimica Acta</i> , 2018 , 268, 276-282	6.7	7
116	Analogue synthesis reveals decoupling of antibiofilm and β -lactam potentiation activities of a lead 2-aminoimidazole adjuvant against <i>Mycobacterium smegmatis</i> . <i>Chemical Biology and Drug Design</i> , 2018 , 92, 1403-1408	2.9	5
115	2-Aminobenzimidazoles as antibiofilm agents against serovar Typhimurium. <i>MedChemComm</i> , 2018 , 9, 1547-1552	5	8
114	Re-sensitizing Multidrug Resistant Bacteria to Antibiotics by Targeting Bacterial Response Regulators: Characterization and Comparison of Interactions between 2-Aminoimidazoles and the Response Regulators BfmR from and QseB from spp. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 15	5.6	17
113	New Class of Adjuvants Enables Lower Dosing of Colistin Against <i>Acinetobacter baumannii</i> . <i>ACS Infectious Diseases</i> , 2018 , 4, 1368-1376	5.5	17
112	Narrow-Spectrum Antibacterial Agents. <i>MedChemComm</i> , 2018 , 9, 12-21	5	76
111	Meridianin D Analogues Display Antibiofilm Activity against MRSA and Increase Colistin Efficacy in Gram-Negative Bacteria. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 702-707	4.3	34
110	The Discovery of 2-Aminobenzimidazoles That Sensitize <i>Mycobacterium smegmatis</i> and <i>M. tuberculosis</i> to β -lactam Antibiotics in a Pattern Distinct from β -lactamase Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3940-3944	16.4	18

109	The Discovery of 2-Aminobenzimidazoles That Sensitize Mycobacterium smegmatis and M. tuberculosis to β -Lactam Antibiotics in a Pattern Distinct from β -Lactamase Inhibitors. <i>Angewandte Chemie</i> , 2017 , 129, 3998-4002	3.6	1
108	Antibiotic Adjuvants. <i>Topics in Medicinal Chemistry</i> , 2017 , 89-118	0.4	6
107	The Challenge of Overcoming Antibiotic Resistance: An Adjuvant Approach?. <i>ACS Infectious Diseases</i> , 2017 , 3, 559-563	5.5	105
106	Evaluation of a 2-aminoimidazole variant as adjuvant treatment for dermal bacterial infections. <i>Drug Design, Development and Therapy</i> , 2017 , 11, 153-162	4.4	6
105	Small molecule adjuvants that suppress both chromosomal and mcr-1 encoded colistin-resistance and amplify colistin efficacy in polymyxin-susceptible bacteria. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 5749-5753	3.4	16
104	Structure of the Francisella response regulator QseB receiver domain, and characterization of QseB inhibition by antibiofilm 2-aminoimidazole-based compounds. <i>Molecular Microbiology</i> , 2017 , 106, 223-235	4.1	14
103	Probing the Mechanism of LAL-32, a Gold Nanoparticle-Based Antibiotic Discovered through Small Molecule Variable Ligand Display. <i>Bioconjugate Chemistry</i> , 2017 , 28, 1807-1810	6.3	
102	1,2,4-Triazolidine-3-thiones as Narrow Spectrum Antibiotics against Multidrug-Resistant. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 27-31	4.3	13
101	1,2,4-Triazolidine-3-thiones Have Specific Activity against Acinetobacter baumannii among Common Nosocomial Pathogens. <i>ACS Infectious Diseases</i> , 2017 , 3, 62-71	5.5	9
100	2-aminoimidazoles potentiate β -lactam antimicrobial activity against Mycobacterium tuberculosis by reducing β -lactamase secretion and increasing cell envelope permeability. <i>PLoS ONE</i> , 2017 , 12, e0180925	3.7	12
99	Second Generation Modifiers of Colistin Resistance Show Enhanced Activity and Lower Inherent Toxicity. <i>Tetrahedron</i> , 2016 , 72, 3549-3553	2.4	15
98	Potential of Resistance to Conventional Antibiotics through Small Molecule Adjuvants. <i>MedChemComm</i> , 2016 , 7, 128-131	5	10
97	Marine sponge alkaloids as a source of anti-bacterial adjuvants. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 5863-5866	2.9	21
96	Evaluation of ethyl N-(2-phenethyl) carbamate analogues as biofilm inhibitors of methicillin resistant Staphylococcus aureus. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 6853-6	3.9	4
95	Potential of the Fosmidomycin analogue FR 900098 with substituted 2-oxazolines against. <i>MedChemComm</i> , 2016 , 7, 1952-1956	5	1
94	Second generation 2-aminoimidazole based advanced glycation end product inhibitors and breakers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 4820-4823	2.9	10
93	From worms to targeting virulence factors. <i>Chemistry and Biology</i> , 2015 , 22, 436-437		
92	Gold nanoparticles to improve HIV drug delivery. <i>Future Medicinal Chemistry</i> , 2015 , 7, 1097-107	4.1	47

91	Innovative strategies for combating biofilm-based infections. <i>Advances in Experimental Medicine and Biology</i> , 2015 , 831, 69-91	3.6	9
90	Small steps to new drugs for bugs. <i>Chemical Biology and Drug Design</i> , 2015 , 85, 1-3	2.9	3
89	Inhibition and breaking of advanced glycation end-products (AGEs) with bis-2-aminoimidazole derivatives. <i>Tetrahedron Letters</i> , 2015 , 56, 3406-3409	2	7
88	Membrane-permeabilizing activity of reverse-amide 2-aminoimidazole antibiofilm agents against <i>Acinetobacter baumannii</i> . <i>Current Drug Delivery</i> , 2015 , 12, 223-30	3.2	8
87	Reversal of <i>Mycobacterium tuberculosis</i> phenotypic drug resistance by 2-aminoimidazole-based small molecules. <i>Pathogens and Disease</i> , 2014 , 70, 370-8	4.2	30
86	Nanoscale structure-activity relationships, mode of action, and biocompatibility of gold nanoparticle antibiotics. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5295-300	16.4	52
85	Thiol-modified gold nanoparticles for the inhibition of <i>Mycobacterium smegmatis</i> . <i>Chemical Communications</i> , 2014 , 50, 15860-3	5.8	16
84	Small-molecule suppression of β -lactam resistance in multidrug-resistant gram-negative pathogens. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 7450-8	8.3	25
83	Small molecule downregulation of PmrAB reverses lipid A modification and breaks colistin resistance. <i>ACS Chemical Biology</i> , 2014 , 9, 122-7	4.9	65
82	Controlling bacterial behavior with indole-containing natural products and derivatives. <i>Tetrahedron</i> , 2014 , 70, 6363-6372	2.4	79
81	Augmenting anti-cancer natural products with a small molecule adjuvant. <i>Marine Drugs</i> , 2014 , 13, 65-75	6	9
80	Non-Microbicidal Control of Bacterial Biofilms with Small Molecules. <i>Anti-Infective Agents</i> , 2014 , 12, 120-138	1.38	14
79	Expression of antimicrobial drug tolerance by attached communities of <i>Mycobacterium tuberculosis</i> . <i>Pathogens and Disease</i> , 2014 , 70, 359-69	4.2	48
78	Chemical shift assignments and secondary structure prediction of the C-terminal domain of the response regulator BfmR from <i>Acinetobacter baumannii</i> . <i>Biomolecular NMR Assignments</i> , 2014 , 8, 67-70	0.7	1
77	Small-molecule inhibition of bacterial two-component systems to combat antibiotic resistance and virulence. <i>Future Medicinal Chemistry</i> , 2013 , 5, 1265-84	4.1	64
76	Biologically inspired strategies for combating bacterial biofilms. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 699-706	5.1	83
75	N-substituted 2-aminoimidazole inhibitors of MRSA biofilm formation accessed through direct 1,3-bis(tert-butoxycarbonyl)guanidine cyclization. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 130-7	3.9	26
74	A flexible approach to 1,4-di-substituted 2-aminoimidazoles that inhibit and disperse biofilms and potentiate the effects of β -lactams against multi-drug resistant bacteria. <i>European Journal of Medicinal Chemistry</i> , 2013 , 62, 59-70	6.8	48

73	Overcoming resistance to β -lactam antibiotics. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4207-13	4.2	106
72	Programmable DNA-binding small molecules. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 6101-14	3.4	56
71	Indole/triazole conjugates are selective inhibitors and inducers of bacterial biofilms. <i>MedChemComm</i> , 2013 , 4, 916-919	5	42
70	Combination approaches to combat multidrug-resistant bacteria. <i>Trends in Biotechnology</i> , 2013 , 31, 177-84	3.1	349
69	Highly active modulators of indole signaling alter pathogenic behaviors in Gram-negative and Gram-positive bacteria. <i>Chemistry - A European Journal</i> , 2013 , 19, 17595-602	4.8	15
68	A modular approach to the synthesis of 1,4,5-substituted-2-aminoimidazoles. <i>Tetrahedron Letters</i> , 2012 , 53, 1204-1206	2	10
67	Identification of BfmR, a response regulator involved in biofilm development, as a target for a 2-Aminoimidazole-based antibiofilm agent. <i>Biochemistry</i> , 2012 , 51, 9776-8	3.2	51
66	Potent small-molecule suppression of oxacillin resistance in methicillin-resistant <i>Staphylococcus aureus</i> . <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11254-7	16.4	60
65	Potent Small-Molecule Suppression of Oxacillin Resistance in Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Angewandte Chemie</i> , 2012 , 124, 11416-11419	3.6	10
64	Small molecule control of bacterial biofilms. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 7457-74	3.9	207
63	Structural studies on 4,5-disubstituted 2-aminoimidazole-based biofilm modulators that suppress bacterial resistance to β -lactams. <i>ChemMedChem</i> , 2012 , 7, 2030-9	3.7	19
62	2-Aminopyrimidine as a novel scaffold for biofilm modulation. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 2552-61	3.9	18
61	Synthesis of Guanidinium Functionalized Polycarbodiimides and Their Antibacterial Activities.. <i>ACS Macro Letters</i> , 2012 , 1, 370-374	6.6	44
60	The discovery of N-1 substituted 2-aminobenzimidazoles as zinc-dependent <i>S. aureus</i> biofilm inhibitors. <i>MedChemComm</i> , 2012 , 3, 1462-1465	5	19
59	Small molecule suppression of carbapenem resistance in NDM-1 producing <i>Klebsiella pneumoniae</i> . <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 357-361	4.3	44
58	Auf den Spuren der bakteriellen Interspezies-Kommunikation. <i>Angewandte Chemie</i> , 2012 , 124, 6420-6423	3.6	3
57	Deconvoluting interspecies bacterial communication. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6314-5	16.4	3
56	Evaluation of the toxicity of 2-aminoimidazole antibiofilm agents using both cellular and model organism systems. <i>Drug and Chemical Toxicology</i> , 2012 , 35, 310-5	2.3	8

55	Intercepting bacterial indole signaling with flustramine derivatives. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20160-3	16.4	37
54	Inhibition of <i>Acinetobacter baumannii</i> biofilm formation on a methacrylate polymer containing a 2-aminoimidazole subunit. <i>Chemical Communications</i> , 2011 , 47, 4896-8	5.8	33
53	Synthesis and biological activity of 2-aminoimidazole triazoles accessed by Suzuki-Miyaura cross-coupling. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3041-9	3.9	31
52	Flustramine inspired synthesis and biological evaluation of pyrroloindoline triazole amides as novel inhibitors of bacterial biofilms. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 5476-81	3.9	48
51	Anti-biofilm compounds derived from marine sponges. <i>Marine Drugs</i> , 2011 , 9, 2010-35	6	79
50	Growth inhibition of <i>Staphylococcus aureus</i> by mixed monolayer gold nanoparticles. <i>Small</i> , 2011 , 7, 2027-31	3.1	44
49	Evaluation of 4,5-disubstituted-2-aminoimidazole-triazole conjugates for antibiofilm/antibiotic resensitization activity against MRSA and <i>Acinetobacter baumannii</i> . <i>ChemMedChem</i> , 2011 , 6, 2243-51	3.7	36
48	Synthesis and biological evaluation of 2-aminoimidazole/carbamate hybrid anti-biofilm and anti-microbial agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 1257-60	2.9	21
47	A facile synthesis of 1,5-disubstituted-2-aminoimidazoles: antibiotic activity of a first generation library. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4516-9	2.9	17
46	A new small molecule specifically inhibits the cariogenic bacterium <i>Streptococcus mutans</i> in multispecies biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 2679-87	5.9	59
45	Identification of antibiotics using small molecule variable ligand display on gold nanoparticles. <i>Chemical Communications</i> , 2010 , 46, 7516-8	5.8	27
44	Synergistic effects between conventional antibiotics and 2-aminoimidazole-derived antibiofilm agents. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 2112-8	5.9	154
43	Synthesis and bacterial biofilm inhibition studies of ethyl N-(2-phenethyl) carbamate derivatives. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 3857-9	3.9	24
42	A nitroenolate approach to the synthesis of 4,5-disubstituted-2-aminoimidazoles. Pilot library assembly and screening for antibiotic and antibiofilm activity. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2814-22	3.9	14
41	Chemical synthesis and biological screening of 2-aminoimidazole-based bacterial and fungal antibiofilm agents. <i>ChemBioChem</i> , 2010 , 11, 396-410	3.8	26
40	Identification of aryl 2-aminoimidazoles as biofilm inhibitors in Gram-negative bacteria. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 3797-800	2.9	31
39	Analysis of kinamycin D-mediated DNA cleavage. <i>Tetrahedron Letters</i> , 2010 , 51, 1455-1458	2	16
38	The chemical synthesis and antibiotic activity of a diverse library of 2-aminobenzimidazole small molecules against MRSA and multidrug-resistant <i>A. baumannii</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 663-74	3.4	47

37	Modulating the development of E. coli biofilms with 2-aminoimidazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 6310-2	2.9	27
36	Controlling bacterial biofilms. <i>ChemBioChem</i> , 2009 , 10, 2287-94	3.8	131
35	Evaluation of dihydrooroidin as an antifouling additive in marine paint. <i>International Biodeterioration and Biodegradation</i> , 2009 , 63, 529-532	4.8	47
34	Antibiofilm activity of a diverse oroidin library generated through reductive acylation. <i>Journal of Organic Chemistry</i> , 2009 , 74, 1755-8	4.2	32
33	Amide isosteres of oroidin: assessment of antibiofilm activity and C. elegans toxicity. <i>Journal of Medicinal Chemistry</i> , 2009 , 52, 4582-5	8.3	35
32	A 2-aminobenzimidazole that inhibits and disperses gram-positive biofilms through a zinc-dependent mechanism. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9868-9	16.4	65
31	Tandem dispersion and killing of bacteria from a biofilm. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 603-6	3.9	12
30	Inhibition of <i>Acinetobacter baumannii</i> , <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> biofilm formation with a class of TAGE-triazole conjugates. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 794-802	3.9	42
29	Small Molecule Approaches Toward the Non-Microbicidal Modulation of Bacterial Biofilm Growth and Maintenance. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2009 , 8, 295-314		21
28	Inhibition of HIV fusion with multivalent gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6896-7	16.4	294
27	Synthesis of a 2-aminoimidazole library for antibiofilm screening utilizing the Sonogashira reaction. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5191-3	4.2	21
26	Inhibition and dispersion of proteobacterial biofilms. <i>Chemical Communications</i> , 2008 , 1698-700	5.8	49
25	Inhibition and dispersion of <i>Pseudomonas aeruginosa</i> biofilms with reverse amide 2-aminoimidazole oroidin analogues. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 1356-63	3.9	83
24	Control of bacterial biofilms with marine alkaloid derivatives. <i>Molecular BioSystems</i> , 2008 , 4, 614-21		52
23	Synthesis and screening of an oroidin library against <i>Pseudomonas aeruginosa</i> biofilms. <i>ChemBioChem</i> , 2008 , 9, 1267-79	3.8	97
22	Synthesis and antibiofilm activity of a second-generation reverse-amide oroidin library: a structure-activity relationship study. <i>Chemistry - A European Journal</i> , 2008 , 14, 10745-61	4.8	74
21	Construction and screening of a 2-aminoimidazole library identifies a small molecule capable of inhibiting and dispersing bacterial biofilms across order, class, and phylum. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5229-31	16.4	95
20	Construction and Screening of a 2-Aminoimidazole Library Identifies a Small Molecule Capable of Inhibiting and Dispersing Bacterial Biofilms across Order, Class, and Phylum. <i>Angewandte Chemie</i> , 2008 , 120, 5307-5309	3.6	10

19	Kinamycin-mediated DNA cleavage under biomimetic conditions. <i>Tetrahedron Letters</i> , 2008 , 49, 3157-3161	28
18	Effects of N-pyrrole substitution on the anti-biofilm activities of oroidin derivatives against <i>Acinetobacter baumannii</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 4325-7	2.9 47
17	Inhibition of <i>Pseudomonas aeruginosa</i> biofilm formation with Bromoageliferin analogues. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6966-7	16.4 110
16	DNA sequence-specific polyamides alleviate transcription inhibition associated with long GAA.TTC repeats in Friedreich's ataxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11497-502	11.5 114
15	Mimicking the biological activity of diazobenzo[b]fluorene natural products with electronically tuned diazofluorene analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5148-51	2.9 44
14	Inhibition of DNA binding by human estrogen-related receptor 2 and estrogen receptor alpha with minor groove binding polyamides. <i>Biochemistry</i> , 2005 , 44, 4196-203	3.2 39
13	Polyamides reveal a role for repression in latency within resting T cells of HIV-infected donors. <i>Journal of Infectious Diseases</i> , 2004 , 190, 1429-37	7 52
12	Arresting cancer proliferation by small-molecule gene regulation. <i>Chemistry and Biology</i> , 2004 , 11, 1583-94	75
11	Regulation of gene expression with pyrrole-imidazole polyamides. <i>Journal of Biotechnology</i> , 2004 , 112, 195-220	3.7 54
10	Influence of L-Alanine on Hairpin Polyamide Orientation in the DNA Minor Groove. <i>Helvetica Chimica Acta</i> , 2003 , 86, 1839-1851	2 14
9	Accessibility of nuclear chromatin by DNA binding polyamides. <i>Chemistry and Biology</i> , 2003 , 10, 859-67	56
8	Sequence specific fluorescence detection of double strand DNA. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1195-202	16.4 99
7	Crystal structures of nucleosome core particles in complex with minor groove DNA-binding ligands. <i>Journal of Molecular Biology</i> , 2003 , 326, 371-80	6.5 135
6	Targeted derepression of the human immunodeficiency virus type 1 long terminal repeat by pyrrole-imidazole polyamides. <i>Journal of Virology</i> , 2002 , 76, 12349-54	6.6 64
5	Blocking transcription through a nucleosome with synthetic DNA ligands. <i>Journal of Molecular Biology</i> , 2002 , 321, 249-63	6.5 85
4	Promoter scanning for transcription inhibition with DNA-binding polyamides. <i>Molecular and Cellular Biology</i> , 2002 , 22, 1723-33	4.8 36
3	Sequence-specific recognition of DNA in the nucleosome by pyrrole-imidazole polyamides. <i>Journal of Molecular Biology</i> , 2001 , 309, 615-29	6.5 100
2	Kinetic consequences of covalent linkage of DNA binding polyamides. <i>Biochemistry</i> , 2001 , 40, 3-8	3.2 39

- 1 Discrimination of A/T sequences in the minor groove of DNA within a cyclic polyamide motif. *Chemistry - A European Journal*, **2000**, 6, 4487-97 4.8 25