Gerard D Wright

List of Publications by Year
in descending order

284 papers	34,795 citations	6840 81 h-index	4622 176 g-index
297 all docs	297 docs citations	297 times ranked	38448 citing authors

#	Article	IF	Citations
1	A non-reactive natural product precursor of the duocarmycin family has potent and selective antimalarial activity. Cell Chemical Biology, 2022, 29, 840-853.e6.	2.5	2
2	Three-Dimensional Structure and Optimization of the Metallo-Î²-Lactamase Inhibitor Aspergillomarasmine A. ACS Omega, 2022, 7, 4170-4184.	1.6	4
3	Glycopeptide antibiotic discovery in the genomic era. Methods in Enzymology, 2022, 665, 325-346.	0.4	1
4	Structural and molecular rationale for the diversification of resistance mediated by the Antibiotic_NAT family. Communications Biology, 2022, 5, 263.	2.0	3
5	ClpP inhibitors are produced by a widespread family of bacterial gene clusters. Nature Microbiology, 2022, 7, 451-462.	5.9	19
6	Phylogeny-Informed Synthetic Biology Reveals Unprecedented Structural Novelty in Type V Glycopeptide Antibiotics. ACS Central Science, 2022, 8, 615-626.	5.3	10
7	Inhibiting C-4 Methyl Sterol Oxidase with Novel Diazaborines to Target Fungal Plant Pathogens. ACS Chemical Biology, 2022, 17, 1343-1350.	1.6	1
8	Targeting fungal membrane homeostasis with imidazopyrazoindoles impairs azole resistance and biofilm formation. Nature Communications, 2022, 13, .	5.8	21
9	Coronavirus Disease 2019 and Antimicrobial Resistance: Parallel and Interacting Health Emergencies. Clinical Infectious Diseases, 2021, 72, 1657-1659.	2.9	104
10	Membrane interactions of non-membrane targeting antibiotics: The case of aminoglycosides, macrolides, and fluoroquinolones. Biochimica Et Biophysica Acta - Biomembranes, 2021, 1863, 183448.	1.4	17
11	Identifying novel Î²-lactamase substrate activity through in silico prediction of antimicrobial resistance. Microbial Genomics, 2021, 7, .	1.0	8
12	ApmA Is a Unique Aminoglycoside Antibiotic Acetyltransferase That Inactivates Apramycin. MBio, 2021, 12, .	1.8	12
13	The Antibiotic Resistome: A Guide for the Discovery of Natural Products as Antimicrobial Agents. Chemical Reviews, 2021, 121, 3464-3494.	23.0	114
14	Ancient Antibiotics, Ancient Resistance. EcoSal Plus, 2021, 9, .	2.1	10
15	The Enzymes of the Rifamycin Antibiotic Resistome. Accounts of Chemical Research, 2021, 54, 2065-2075.	7.6	17
16	A Screen of Natural Product Extracts Identifies Moenomycin as a Potent Antigonococcal Agent. ACS Infectious Diseases, 2021, 7, 1569-1577.	1.8	7
17	Targeting SUMOylation dependency in human cancer stem cells through a unique SAE2 motif revealed by chemical genomics. Cell Chemical Biology, 2021, 28, 1394-1406.e10.	2.5	13
18	CrpP Is Not a Fluoroquinolone-Inactivating Enzyme. Antimicrobial Agents and Chemotherapy, 2021, 65, e0077321.	1.4	7

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19	Aspergillomarasmine A inhibits metallo-Î²-lactamases by selectively sequestering Zn2+. Journal of Biological Chemistry, 2021, 297, 100918.	1.6	23
20	Demonstration of the role of cell wall homeostasis in <i>Staphylococcus aureus</i> growth and the action of bactericidal antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	30
21	Prospects for Antibacterial Discovery and Development. Journal of the American Chemical Society, 2021, 143, 21127-21142.	6.6	51
22	GPAHex-A synthetic biology platform for Type IVâ€"V glycopeptide antibiotic production and discovery. Nature Communications, 2020, 11, 5232.	5.8	21
23	Resistance-Guided Discovery of Elfamycin Antibiotic Producers with Antigonococcal Activity. ACS Infectious Diseases, 2020, 6, 3163-3173.	1.8	10
24	Venturicidin A, A Membrane-active Natural Product Inhibitor of ATP synthase Potentiates Aminoglycoside Antibiotics. Scientific Reports, 2020, 10, 8134.	1.6	35
25	Threats Posed by the Fungal Kingdom to Humans, Wildlife, and Agriculture. MBio, 2020, 11, .	1.8	275
26	Antibiotic Resistance by Enzymatic Modification of Antibiotic Targets. Trends in Molecular Medicine, 2020, 26, 768-782.	3.5	73
27	Imipridone Anticancer Compounds Ectopically Activate the ClpP Protease and Represent a New Scaffold for Antibiotic Development. Genetics, 2020, 214, 1103-1120.	1.2	36
28	Suppression of Î²-Lactam Resistance by Aspergillomarasmine A Is Influenced by both the Metallo-Î²-Lactamase Target and the Antibiotic Partner. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	15
29	Evolution-guided discovery of antibiotics that inhibit peptidoglycan remodelling. Nature, 2020, 578, 582-587.	13.7	177
30	The ADEP Biosynthetic Gene Cluster in Streptomyces hawaiiensis NRRL 15010 Reveals an Accessory <i>clpP</i> Gene as a Novel Antibiotic Resistance Factor. Applied and Environmental Microbiology, 2019, 85, .	1.4	25
31	Phylogenetic reconciliation reveals the natural history of glycopeptide antibiotic biosynthesis and resistance. Nature Microbiology, 2019, 4, 1862-1871.	5.9	67
32	Environmental and clinical antibiotic resistomes, same only different. Current Opinion in Microbiology, 2019, 51, 57-63.	2.3	39
33	Membrane-Active Rhamnolipids Overcome Aminoglycoside Resistance. Cell Chemical Biology, 2019, 26, 1333-1334.	2.5	7
34	Antibiotic Dereplication Using the Antibiotic Resistance Platform. Journal of Visualized Experiments, 2019, , .	0.2	1
35	Hidden antibiotics in actinomycetes can be identified by inactivation of gene clusters for common antibiotics. Nature Biotechnology, 2019, 37, 1149-1154.	9.4	68
36	Drug combinations: a strategy to extend the life of antibiotics in the 21st century. Nature Reviews Microbiology, 2019, 17, 141-155.	13.6	526

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37	Dedication: Heinz Floss and Christopher Walshâ€"pioneers in natural product chemical biology. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 251-255.	1.4	2
38	Capturing the Resistome: a Targeted Capture Method To Reveal Antibiotic Resistance Determinants in Metagenomes. Antimicrobial Agents and Chemotherapy, 2019, 64, .	1.4	63
39	Unlocking the potential of natural products in drug discovery. Microbial Biotechnology, 2019, 12, 55-57.	2.0	112
40	Heterologous expression-facilitated natural productsâ€™ discovery in actinomycetes. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 415-431.	1.4	36
41	Substrate Recognition by a Colistin Resistance Enzyme from <i>Moraxella catarrhalis</i>. ACS Chemical Biology, 2018, 13, 1322-1332.	1.6	15
42	Plazomicin Retains Antibiotic Activity against Most Aminoglycoside Modifying Enzymes. ACS Infectious Diseases, 2018, 4, 980-987.	1.8	91
43	Rox, a Rifamycin Resistance Enzyme with an Unprecedented Mechanism of Action. Cell Chemical Biology, 2018, 25, 403-412.e5.	2.5	48
44	The complex resistomes of Paenibacillaceae reflect diverse antibiotic chemical ecologies. ISME Journal, 2018, 12, 885-897.	4.4	15
45	The evolution of substrate discrimination in macrolide antibiotic resistance enzymes. Nature Communications, 2018, 9, 112.	5.8	50
46	Probing the Interaction of Aspergillomarasmine A with Metallo-Î^{2}-lactamases NDM-1, VIM-2, and IMP-7. ACS Infectious Diseases, 2018, 4, 135-145.	1.8	48
47	Transformation of the Anticancer Drug Doxorubicin in the Human Gut Microbiome. ACS Infectious Diseases, 2018, 4, 68-76.	1.8	61
48	Natural Products in Antibiotic Discovery. , 2018, , 533-562.		6
49	Trichlorination of a Teicoplanin-Type Glycopeptide Antibiotic by the Halogenase StaI Evades Resistance. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	3
50	Antimicrobial Resistance and Respiratory Infections. Chest, 2018, 154, 1202-1212.	0.4	56
51	Combinatorial strategies for combating invasive fungal infections. Virulence, 2017, 8, 169-185.	1.8	146
52	Bacterial proteases, untapped antimicrobial drug targets. Journal of Antibiotics, 2017, 70, 366-377.	1.0	182
53	Opportunities for natural products in 21st century antibiotic discovery. Natural Product Reports, 2017, 34, 694-701.	5.2	246
54	A Common Platform for Antibiotic Dereplication and Adjuvant Discovery. Cell Chemical Biology, 2017, 24, 98-109.	2.5	95

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55	Exploiting the Sensitivity of Nutrient Transporter Deletion Strains in Discovery of Natural Product Antimetabolites. ACS Infectious Diseases, 2017, 3, 955-965.	1.8	12
56	Pharmacodynamics of dose-escalated â€˜front-loadingâ€™ polymyxin B regimens against polymyxin-resistant mcr-1-harbouring Escherichia coli. Journal of Antimicrobial Chemotherapy, 2017, 72, 2297-2303.	1.3	14
57	Inhibitors of metallo-Î²-lactamases. Current Opinion in Microbiology, 2017, 39, 96-105.	2.3	89
58	Lessons from the Environmental Antibiotic Resistome. Annual Review of Microbiology, 2017, 71, 309-329.	2.9	127
59	CARD 2017: expansion and model-centric curation of the comprehensive antibiotic resistance database. Nucleic Acids Research, 2017, 45, D566-D573.	6.5	2,063
60	A molecular portrait of maternal sepsis from Byzantine Troy. ELife, 2017, 6, .	2.8	46
61	Antibiotic resistance: itâ€™s bad, but why isnâ€™t it worse?. BMC Biology, 2017, 15, 84.	1.7	60
62	Biochemical Logic of Antibiotic Inactivation and Modification. , 2017, , 97-113.		2
63	Total Synthesis and Activity of the Metalloâ€Î²â€lactamase Inhibitor Aspergillomarasmineâ€…A. Angewandte Chemie - International Edition, 2016, 55, 2210-2212.	7.2	50
64	Rifampin phosphotransferase is an unusual antibiotic resistance kinase. Nature Communications, 2016, 7, 11343.	5.8	36
65	A diverse intrinsic antibiotic resistome from a cave bacterium. Nature Communications, 2016, 7, 13803.	5.8	148
66	Evolving medicinal chemistry strategies in antibiotic discovery. Current Opinion in Biotechnology, 2016, 42, 108-117.	3.3	39
67	Total Synthesis of Aspergillomarasmineâ€…A and Related Compounds: A Sulfamidate Approach Enables Exploration of Structureâ€"Activity Relationships. Angewandte Chemie, 2016, 128, 13453-13456.	1.6	5
68	Empowering Older Antibiotics. Cell, 2016, 167, 301.	13.5	5
69	How To Make a Glycopeptide: A Synthetic Biology Approach To Expand Antibiotic Chemical Diversity. ACS Infectious Diseases, 2016, 2, 642-650.	1.8	27
70	Antifungal Drugs: The Current Armamentarium and Development of New Agents. Microbiology Spectrum, 2016, 4, .	1.2	159
71	Systematic chemical-genetic and chemical-chemical interaction datasets for prediction of compound synergism. Scientific Data, 2016, 3, 160095.	2.4	12
72	Total Synthesis of Aspergillomarasmineâ€…A and Related Compounds: A Sulfamidate Approach Enables Exploration of Structureâ€"Activity Relationships. Angewandte Chemie - International Edition, 2016, 55, 13259-13262.	7.2	38

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73	Antibiotic Adjuvants: Rescuing Antibiotics from Resistance. Trends in Microbiology, 2016, 24, 862-871.	3.5	412
74	Catalytic promiscuity of glycopeptide N-methyltransferases enables bio-orthogonal labelling of biosynthetic intermediates. Chemical Communications, 2016, 52, 13679-13682.	2.2	10
75	Discovery of Ibomycin, a Complex Macrolactone that Exerts Antifungal Activity by Impeding Endocytic Trafficking and Membrane Function. Cell Chemical Biology, 2016, 23, 1383-1394.	2.5	27
76	The Prehistory of Antibiotic Resistance. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a025197.	2.9	141
77	Total Synthesis and Activity of the Metalloâ€Î²â€lactamase Inhibitor Aspergillomarasmineâ€…A. Angewandte Chemie, 2016, 128, 2250-2252.	1.6	11
78	Antibacterial drug discovery in the resistance era. Nature, 2016, 529, 336-343.	13.7	1,628
79	Antibiotic Resistance themed issue. MedChemComm, 2016, 7, 10-10.	3.5	6
80	Structural and Kinetic Characterization of Diazabicyclooctanes as Dual Inhibitors of Both Serine-Î²-Lactamases and Penicillin-Binding Proteins. ACS Chemical Biology, 2016, 11, 864-868.	1.6	52
81	An Antifungal Combination Matrix Identifies a Rich Pool of Adjuvant Molecules that Enhance Drug Activity against Diverse Fungal Pathogens. Cell Reports, 2015, 13, 1481-1492.	2.9	68
82	Biosynthesis of the Fluorinated Natural Product Nucleocidin in <i>Streptomyces calvus</i> Is Dependent on the <i>bldA</i>â€Specified Leuâ€tRNA^{UUA} Molecule. ChemBioChem, 2015, 16, 2498-2506.	1.3	41
83	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. Frontiers in Microbiology, 2015, 6, 1036.	1.5	144
84	Zinc Chelation by a Small-Molecule Adjuvant Potentiates Meropenem Activity in Vivo against NDM-1-Producing <i>Klebsiella pneumoniae</i>. ACS Infectious Diseases, 2015, 1, 533-543.	1.8	50
85	Prediction of Synergism from Chemical-Genetic Interactions by Machine Learning. Cell Systems, 2015, 1, 383-395.	2.9	89
86	An irresistible newcomer. Nature, 2015, 517, 442-444.	13.7	50
87	Molecular Mechanism of Avibactam-Mediated Î²-Lactamase Inhibition. ACS Infectious Diseases, 2015, 1, 175-184.	1.8	80
88	Winners of the 2014 JA Medals for excellence. Journal of Antibiotics, 2015, 68, 1-2.	1.0	7
89	Solving the Antibiotic Crisis. ACS Infectious Diseases, 2015, 1, 80-84.	1.8	119
90	Structural and Molecular Basis for Resistance to Aminoglycoside Antibiotics by the Adenylyltransferase ANT(2â€³)-Ia. MBio, 2015, 6, .	1.8	49

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91	Bioinformatics of antimicrobial resistance in the age of molecular epidemiology. Current Opinion in Microbiology, 2015, 27, 45-50.	2.3	103
92	Alternative Pathway to a Glycopeptide-Resistant Cell Wall in the Balhimycin ProducerAmycolatopsis balhimycina. ACS Infectious Diseases, 2015, 1, 243-252.	1.8	13
93	Structural and Functional Plasticity of Antibiotic Resistance Nucleotidylyltransferases Revealed by Molecular Characterization of Lincosamide Nucleotidylyltransferases Lnu(A) and Lnu(D). Journal of Molecular Biology, 2015, 427, 2229-2243.	2.0	7
94	Minimum Information about a Biosynthetic Gene cluster. Nature Chemical Biology, 2015, 11, 625-631.	3.9	715
95	Vancomycin-Variable Enterococci Can Give Rise to Constitutive Resistance during Antibiotic Therapy. Antimicrobial Agents and Chemotherapy, 2015, 59, 1405-1410.	1.4	45
96	Opportunities for Synthetic Biology in Antibiotics: Expanding Glycopeptide Chemical Diversity. ACS Synthetic Biology, 2015, 4, 195-206.	1.9	45
97	Aminoglycoside Resistance Mechanisms. , 2014, , 85-100.		4
98	Harnessing the Synthetic Capabilities of Glycopeptide Antibiotic Tailoring Enzymes: Characterization of the UKâ€68,597 Biosynthetic Cluster. ChemBioChem, 2014, 15, 2613-2623.	1.3	30
99	A rifamycin inactivating phosphotransferase family shared by environmental and pathogenic bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7102-7107.	3.3	59
100	Christopher Walsh: Pioneer and innovator in antibiotic and natural product chemical biology. Journal of Antibiotics, 2014, 67, 5-6.	1.0	0
101	Winners of the 2013 JA Medals for excellence. Journal of Antibiotics, 2014, 67, 351-352.	1.0	0
102	Role of PBPD1 in Stimulation of Listeria monocytogenes Biofilm Formation by Subminimal Inhibitory Î²-Lactam Concentrations. Antimicrobial Agents and Chemotherapy, 2014, 58, 6508-6517.	1.4	18
103	Forces shaping the antibiotic resistome. BioEssays, 2014, 36, 1179-1184.	1.2	56
104	Something old, something new: revisiting natural products in antibiotic drug discovery. Canadian Journal of Microbiology, 2014, 60, 147-154.	0.8	207
105	An unusual class of anthracyclines potentiate Gram-positive antibiotics in intrinsically resistant Gram-negative bacteria. Journal of Antimicrobial Chemotherapy, 2014, 69, 1844-1855.	1.3	40
106	Glycopeptide antibiotic biosynthesis. Journal of Antibiotics, 2014, 67, 31-41.	1.0	170
107	Designing analogs of ticlopidine, a wall teichoic acid inhibitor, to avoid formation of its oxidative metabolites. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 905-910.	1.0	23
108	Metal-Induced Isomerization Yields an Intracellular Chelator that Disrupts Bacterial Iron Homeostasis. Chemistry and Biology, 2014, 21, 136-145.	6.2	16

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109	Inhibition of the ANT(2â€³)-Ia resistance enzyme and rescue of aminoglycoside antibiotic activity by synthetic Î±-hydroxytropolones. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 4943-4947.	1.0	44
110	The antibiotic resistome: what's new?. Current Opinion in Microbiology, 2014, 21, 45-50.	2.3	143
111	Perspective: Synthetic biology revives antibiotics. Nature, 2014, 509, S13-S13.	13.7	22
112	Aspergillomarasmine A overcomes metallo-Î²-lactamase antibiotic resistance. Nature, 2014, 510, 503-506.	13.7	461
113	How antibiotics kill bacteria: new models needed?. Nature Medicine, 2013, 19, 544-545.	15.2	15
114	Antibiotic resistanceâ€"the need for global solutions. Lancet Infectious Diseases, The, 2013, 13, 1057-1098.	4.6	3,184
115	The Comprehensive Antibiotic Resistance Database. Antimicrobial Agents and Chemotherapy, 2013, 57, 3348-3357.	1.4	1,615
116	Identifying producers of antibacterial compounds by screening for antibiotic resistance. Nature Biotechnology, 2013, 31, 922-927.	9.4	206
117	A Cryptic Polyene Biosynthetic Gene Cluster in Streptomyces calvus Is Expressed upon Complementation with a Functional bldA Gene. Chemistry and Biology, 2013, 20, 1214-1224.	6.2	53
118	Self Resistance to the Atypical Cationic Antimicrobial Peptide Edeine of Brevibacillus brevis Vm4 by the N-Acetyltransferase EdeQ. Chemistry and Biology, 2013, 20, 983-990.	6.2	30
119	Intrinsic antibiotic resistance: Mechanisms, origins, challenges and solutions. International Journal of Medical Microbiology, 2013, 303, 287-292.	1.5	434
120	Inhibition of WTA Synthesis Blocks the Cooperative Action of PBPs and Sensitizes MRSA to Î²-Lactams. ACS Chemical Biology, 2013, 8, 226-233.	1.6	184
121	Structure-guided optimization of protein kinase inhibitors reverses aminoglycoside antibiotic resistance. Biochemical Journal, 2013, 454, 191-200.	1.7	43
122	Iron and citrate export by a major facilitator superfamily pump regulates metabolism and stress resistance in <i>Salmonella</i> Typhimurium. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12054-12059.	3.3	88
123	Glycopeptide Sulfation Evades Resistance. Journal of Bacteriology, 2013, 195, 167-171.	1.0	20
124	The antibiotic resistance â€œmobilomeâ€: searching for the link between environment and clinic. Frontiers in Microbiology, 2013, 4, 138.	1.5	221
125	Influence of Humans on Evolution and Mobilization of Environmental Antibiotic Resistome. Emerging Infectious Diseases, 2013, 19, .	2.0	118
126	d-Ala-d-Ala Carboxypeptidase VanY. , 2013, , 1393-1395.		0

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127	Antibiotic Resistance Is Prevalent in an Isolated Cave Microbiome. PLoS ONE, 2012, 7, e34953.	1.1	541
128	Inactivation of the Lipopeptide Antibiotic Daptomycin by Hydrolytic Mechanisms. Antimicrobial Agents and Chemotherapy, 2012, 56, 757-764.	1.4	52
129	Small-Molecule Modulators of Listeria monocytogenes Biofilm Development. Applied and Environmental Microbiology, 2012, 78, 1454-1465.	1.4	43
130	Diversity of Integron- and Culture-Associated Antibiotic Resistance Genes in Freshwater Floc. Applied and Environmental Microbiology, 2012, 78, 4367-4372.	1.4	32
131	First JA Medal goes to a paper on decalpenic acid. Journal of Antibiotics, 2012, 65, 591-592.	1.0	0
132	Bacterial Inactivation of the Anticancer Drug Doxorubicin. Chemistry and Biology, 2012, 19, 1255-1264.	6.2	73
133	Biosynthetic gene cluster and antimicrobial activity of the elfamycin antibiotic factumycin. MedChemComm, 2012, 3, 1020.	3.5	14
134	Mechanism and Diversity of the Erythromycin Esterase Family of Enzymes. Biochemistry, 2012, 51, 1740-1751.	1.2	83
135	A Forward Chemical Screen Identifies Antibiotic Adjuvants in <i>Escherichia coli</i>. ACS Chemical Biology, 2012, 7, 1547-1555.	1.6	69
136	Characterization of a Rifampin-Inactivating Glycosyltransferase from a Screen of Environmental Actinomycetes. Antimicrobial Agents and Chemotherapy, 2012, 56, 5061-5069.	1.4	46
137	Antibiotic resistance is ancient: implications for drug discovery. Trends in Microbiology, 2012, 20, 157-159.	3.5	116
138	Back to the future: a new â€˜oldâ€™ lead for tuberculosis. EMBO Molecular Medicine, 2012, 4, 1029-1031.	3.3	9
139	The Origins of Antibiotic Resistance. Handbook of Experimental Pharmacology, 2012, , 13-30.	0.9	32
140	Sulfonation of glycopeptide antibiotics by sulfotransferase StaL depends on conformational flexibility of aglycone scaffold. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11824-11829.	3.3	14
141	Antibiotics: A New Hope. Chemistry and Biology, 2012, 19, 3-10.	6.2	122
142	Determining the mode of action of bioactive compounds. Bioorganic and Medicinal Chemistry, 2012, 20, 1929-1939.	1.4	19
143	Antibiotic adjuvants: multicomponent anti-infective strategies. Expert Reviews in Molecular Medicine, 2011, 13, e5.	1.6	195
144	Crossâ€species discovery of syncretic drug combinations that potentiate the antifungal fluconazole. Molecular Systems Biology, 2011, 7, 499.	3.2	169

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145	Î²-Lactone natural products and derivatives inactivate homoserine transacetylase, a target for antimicrobial agents. Journal of Antibiotics, 2011, 64, 483-487.	1.0	28
146	Microwave-assisted synthesis of N1- and C3-substituted pyrazolo[3,4-d]pyrimidine libraries. Tetrahedron Letters, 2011, 52, 5761-5763.	0.7	29
147	Structural basis for a new tetracycline resistance mechanism relying on the TetX monooxygenase. FEBS Letters, 2011, 585, 1061-1066.	1.3	87
148	A Small Molecule Discrimination Map of the Antibiotic Resistance Kinome. Chemistry and Biology, 2011, 18, 1591-1601.	6.2	72
149	Molecular mechanisms of antibiotic resistance. Chemical Communications, 2011, 47, 4055.	2.2	302
150	Combinations of antibiotics and nonantibiotic drugs enhance antimicrobial efficacy. Nature Chemical Biology, 2011, 7, 348-350.	3.9	447
151	Antibiotic resistance is ancient. Nature, 2011, 477, 457-461.	13.7	1,967
152	Receptor domains of two-component signal transduction systems. Molecular BioSystems, 2011, 7, 1388.	2.9	28
153	An ecological perspective of microbial secondary metabolism. Current Opinion in Biotechnology, 2011, 22, 552-558.	3.3	160
154	Identification and Characterization of New Inhibitors of Fungal Homoserine Kinase. ChemBioChem, 2011, 12, 1179-1182.	1.3	7
155	Palmitoylâ€‹<scp>dl</scp>â€Carnitine is a Multitarget Inhibitor of <i>Pseudomonas aeruginosa</i> Biofilm Development. ChemBioChem, 2011, 12, 2759-2766.	1.3	45
156	Structure and Function of APH(4)-Ia, a Hygromycin B Resistance Enzyme. Journal of Biological Chemistry, 2011, 286, 1966-1975.	1.6	30
157	Structure and function of APH(4)-Ia, a hygromycin B resistance enzyme.. Journal of Biological Chemistry, 2011, 286, 42786.	1.6	1
158	The tetracycline resistome. Cellular and Molecular Life Sciences, 2010, 67, 419-431.	2.4	292
159	Antibiotic Resistance by Enzyme Inactivation: From Mechanisms to Solutions. ChemBioChem, 2010, 11, 1325-1334.	1.3	65
160	Acyldepsipeptide Antibiotics Induce the Formation of a Structured Axial Channel in ClpP: A Model for the ClpX/ClpA-Bound State of ClpP. Chemistry and Biology, 2010, 17, 959-969.	6.2	168
161	Crystallization and preliminary X-ray crystallographic analysis of the tetracycline-degrading monooxygenase TetX2 from<i>Bacteroides thetaiotaomicron</i>. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 611-614.	0.7	5
162	Q&A: Antibiotic resistance: where does it come from and what can we do about it?. BMC Biology, 2010, 8, 123.	1.7	129

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163	Induction of antimicrobial activities in heterologous streptomycetes using alleles of the Streptomyces coelicolor gene absA1. Journal of Antibiotics, 2010, 63, 177-182.	1.0	53
164	Inactive but not inert. Nature Chemical Biology, 2010, 6, 85-86.	3.9	5
165	A vancomycin photoprobe identifies the histidine kinase VanSsc as a vancomycin receptor. Nature Chemical Biology, 2010, 6, 327-329.	3.9	135
166	Nucleotide Selectivity of Antibiotic Kinases. Antimicrobial Agents and Chemotherapy, 2010, 54, 1909-1913.	1.4	30
167	The antibiotic resistome. Expert Opinion on Drug Discovery, 2010, 5, 779-788.	2.5	83
168	The Genomic Enzymology of Antibiotic Resistance. Annual Review of Genetics, 2010, 44, 25-51.	3.2	109
169	Structural and Kinetic Characterization of the LPS Biosynthetic Enzyme <scp>d</scp>-Î±,Î²-<scp>d</scp>-Heptose-1,7-bisphosphate Phosphatase (GmhB) from <i>Escherichia coli</i>,. Biochemistry, 2010, 49, 1033-1041.	1.2	26
170	Antibiotic resistance in the environment: a link to the clinic?. Current Opinion in Microbiology, 2010, 13, 589-594.	2.3	638
171	Noncanonical Vancomycin Resistance Cluster from <i>Desulfitobacterium hafniense</i> Y51. Antimicrobial Agents and Chemotherapy, 2009, 53, 2841-2845.	1.4	8
172	Structure and Mechanism of the Lincosamide Antibiotic Adenylyltransferase LinB. Structure, 2009, 17, 1649-1659.	1.6	70
173	Isolation of flavonoids from the heartwood and resin of Prunus avium and some preliminary biological investigations. Phytochemistry, 2009, 70, 2040-2046.	1.4	44
174	Structure and Function of the Glycopeptide N-methyltransferase MtfA, a Tool for the Biosynthesis of Modified Glycopeptide Antibiotics. Chemistry and Biology, 2009, 16, 401-410.	6.2	37
175	Diversity-Oriented Synthesis and Preliminary Biological Screening of Highly Substituted Five-Membered Lactones and Lactams Originating From an Allyboration of Aldehydes and Imines. ACS Combinatorial Science, 2009, 11, 155-168.	3.3	54
176	Making Sense of Antisense in Antibiotic Drug Discovery. Cell Host and Microbe, 2009, 6, 197-198.	5.1	18
177	Antimicrobials. Current Opinion in Microbiology, 2009, 12, 473-475.	2.3	6
178	Biochemical Logic of Antibiotic Inactivation and Modification. , 2009, , 81-95.		9
179	The Wall Teichoic Acid Polymerase TagF Efficiently Synthesizes Poly(glycerol phosphate) on the TagB Product Lipid III. ChemBioChem, 2008, 9, 1385-1390.	1.3	30
180	Chemical biology of tetracycline antibioticsThis paper is one of a selection of papers published in this Special Issue, entitled CSBMCB â€" Systems and Chemical Biology, and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2008, 86, 124-136.	0.9	93

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