Dennis L Wright

List of Publications by Year
in descending order

117	3,875	136885	143943
papers	citations	32 h-index	57 g-index

138	138	138	4465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chiral evasion and stereospecific antifolate resistance in Staphylococcus aureus. PLoS Computational Biology, 2022, 18, e1009855.	1.5	6
2	Structure-guided functional studies of plasmid-encoded dihydrofolate reductases reveal a common mechanism of trimethoprim resistance in Gram-negative pathogens. Communications Biology, 2022, 5, 459.	2.0	8
3	Toward Broad Spectrum Dihydrofolate Reductase Inhibitors Targeting Trimethoprim Resistant Enzymes Identified in Clinical Isolates of Methicillin Resistant Staphylococcus aureus. ACS Infectious Diseases, 2019, 5, 1896-1906.	1.8	16
4	Structure-Guided In Vitro to In Vivo Pharmacokinetic Optimization of Propargyl-Linked Antifolates. Drug Metabolism and Disposition, 2019, 47, 995-1003.	1.7	4
5	Drugging the Folate Pathway in Mycobacterium tuberculosis: The Role of Multi-targeting Agents. Cell Chemical Biology, 2019, 26, 781-791.e6.	2.5	57
6	Functional and structural basis of E. coli enolase inhibition by SF2312: a mimic of the carbanion intermediate. Scientific Reports, 2019, 9, 17106.	1.6	9
7	Post-Glycosylation Diversification (PGD): An Approach for Assembling Collections of Glycosylated Small Molecules. ACS Combinatorial Science, 2019, 21, 192-197.	3.8	3
8	Tropolone-induced effects on the unfolded protein response pathway and apoptosis in multiple myeloma cells are dependent on iron. Leukemia Research, 2019, 77, 17-27.	0.4	6
9	Structural and Functional Studies of Bacterial Enolase, a Potential Target against Gram-Negative Pathogens. Biochemistry, 2019, 58, 1188-1197.	1.2	20
10	Spindle Assembly Disruption and Cancer Cell Apoptosis with a CLTC-Binding Compound. Molecular Cancer Research, 2018, 16, 1361-1372.	1.5	7
11	Characterization of trimethoprim resistant E. coli dihydrofolate reductase mutants by mass spectrometry and inhibition by propargyl-linked antifolates. Chemical Science, 2017, 8, 4062-4072.	3.7	34
12	Pharmaceutical analysis of a novel propargyl-linked antifolate antibiotic in the mouse. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1051, 54-59.	1.2	1
13	Direct Substitution of Arylalkynyl Carbinols Provides Access to Diverse Terminal Acetylene Building Blocks. Organic Letters, 2017, 19, 142-145.	2.4	3
14	USP7-Specific Inhibitors Target and Modify the Enzyme's Active Site via Distinct Chemical Mechanisms. Cell Chemical Biology, 2017, 24, 1501-1512.e5.	2.5	80
15	The Antifolates. Topics in Medicinal Chemistry, 2017, , 123-149.	0.4	6
16	Highâ€mobilityâ€group protein 2 regulated by microRNAâ€127 and small heterodimer partner modulates pluripotency of mouse embryonic stem cells and liver tumor initiating cells. Hepatology Communications, 2017, 1, 816-830.	2.0	21
17	Novel tropolones induce the unfolded protein response pathway and apoptosis in multiple myeloma cells. Oncotarget, 2017, 8, 76085-76098.	0.8	17
18	Efficient Activation of Apoptotic Signaling during Mitotic Arrest with AK301. PLoS ONE, 2016, 11, e0153818.	1.1	7

#	Article	IF	Citations
19	MRSA Isolates from United States Hospitals Carry dfrG and dfrK Resistance Genes and Succumb to Propargyl-Linked Antifolates. Cell Chemical Biology, 2016, 23, 1458-1467.	2.5	29
20	Charged Nonclassical Antifolates with Activity Against Gram-Positive and Gram-Negative Pathogens. ACS Medicinal Chemistry Letters, 2016, 7, 692-696.	1.3	31
21	Novel Î±-substituted tropolones promote potent and selective caspase-dependent leukemia cell apoptosis. Pharmacological Research, 2016, 113, 438-448.	3.1	17
22	Antibacterial Antifolates: From Development through Resistance to the Next Generation. Cold Spring Harbor Perspectives in Medicine, 2016, 6, a028324.	2.9	53
23	Charged Propargyl-Linked Antifolates Reveal Mechanisms of Antifolate Resistance and Inhibit Trimethoprim-Resistant MRSA Strains Possessing Clinically Relevant Mutations. Journal of Medicinal Chemistry, 2016, 59, 6493-6500.	2.9	25
24	Crystal Structures of Trimethoprim-Resistant DfrA1 Rationalize Potent Inhibition by Propargyl-Linked Antifolates. ACS Infectious Diseases, 2016, 2, 149-156.	1.8	36
25	Propargyl-Linked Antifolates Are Potent Inhibitors of Drug-Sensitive and Drug-Resistant Mycobacterium tuberculosis. PLoS ONE, 2016, 11, e0161740.	1.1	15
26	The challenge of resistance in antimicrobial drug development. Future Microbiology, 2015, 10, 1709-1710.	1.0	1
27	Development of intestinal organoids as tissue surrogates: Cell composition and the Epigenetic control of differentiation. Molecular Carcinogenesis, 2015, 54, 189-202.	1.3	35
28	Measuring Propargyl-Linked Drug Populations Inside Bacterial Cells, and Their Interaction with a Dihydrofolate Reductase Target, by Raman Microscopy. Biochemistry, 2015, 54, 2719-2726.	1.2	15
29	Nonracemic Antifolates Stereoselectively Recruit Alternate Cofactors and Overcome Resistance in S. aureus. Journal of the American Chemical Society, 2015, 137, 8983-8990.	6.6	30
30	The Frondosins: An Unusual Synthetic and Stereochemical Journey. European Journal of Organic Chemistry, 2015, 2015, 1387-1401.	1.2	12
31	Crystal Structures of Klebsiella pneumoniae Dihydrofolate Reductase Bound to Propargyl-Linked Antifolates Reveal Features for Potency and Selectivity. Antimicrobial Agents and Chemotherapy, 2014, 58, 7484-7491.	1.4	23
32	Antifolate agents: a patent review (2010 â€“ 2013). Expert Opinion on Therapeutic Patents, 2014, 24, 687-697.	2.4	14
33	Oxabicyclic Building Blocks as Key Intermediates in the Synthesis of the Natural Products (â^')-Platensimycin and (+)-Frondosin A. Strategies and Tactics in Organic Synthesis, 2014, , 155-181.	0.1	1
34	Propargyl-Linked Antifolates are Dual Inhibitors of Candida albicans and Candida glabrata. Journal of Medicinal Chemistry, 2014, 57, 2643-2656.	2.9	33
35	Cyclopropene Cycloadditions with Annulated Furans: Total Synthesis of (+)- and (â^')-Frondosin B and (+)-Frondosin A. Journal of the American Chemical Society, 2014, 136, 4309-4315.	6.6	55
36	Studies on the antiproliferative effects of tropolone derivatives in Jurkat T-lymphocyte cells. Bioorganic and Medicinal Chemistry, 2014, 22, 2188-2193.	1.4	11

#	Article	IF	Citations
37	Elucidating Features That Drive the Design of Selective Antifolates Using Crystal Structures of Human Dihydrofolate Reductase. Biochemistry, 2013, 52, 7318-7326.	1.2	34
38	Structural analysis of the active sites of dihydrofolate reductase from two species of Candida uncovers ligand-induced conformational changes shared among species. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1279-1284.	1.0	16
39	Stereodivergent Resolution of Oxabicyclic Ketones: Preparation of Key Intermediates for Platensimycin and Other Natural Products. Journal of Organic Chemistry, 2013, 78, 10555-10559.	1.7	10
40	Antifolates as effective antimicrobial agents: new generations of trimethoprim analogs. MedChemComm, 2013, 4, 908.	3.5	23
41	Tropolones As Lead-Like Natural Products: The Development of Potent and Selective Histone Deacetylase Inhibitors. ACS Medicinal Chemistry Letters, 2013, 4, 757-761.	1.3	82
42	Identification of novel compounds that enhance colon cancer cell sensitivity to inflammatory apoptotic ligands. Cancer Biology and Therapy, 2013, 14, 436-449.	1.5	11
43	The Tandem Ring Opening/Ring Closing Metathesis Route to Oxaspirocycles: An Approach to Phelligridin G. Molecules, 2013, 18, 2438-2448.	1.7	10
44	Prospective Screening of Novel Antibacterial Inhibitors of Dihydrofolate Reductase for Mutational Resistance. Antimicrobial Agents and Chemotherapy, 2012, 56, 3556-3562.	1.4	27
45	Acetylenic Linkers in Lead Compounds: A Study of the Stability of the Propargyl-Linked Antifolates. Drug Metabolism and Disposition, 2012, 40, 2002-2008.	1.7	10
46	Z-Phe-Ala-diazomethylketone (PADK) Disrupts and Remodels Early Oligomer States of the Alzheimer Disease AÎ²42 Protein. Journal of Biological Chemistry, 2012, 287, 6084-6088.	1.6	34
47	Synthesis of a Functionalized Oxabicyclo[2.2.1]-Heptene-Based Chemical Library. Combinatorial Chemistry and High Throughput Screening, 2012, 15, 81-89.	0.6	4
48	Viridin analogs derived from steroidal building blocks. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6919-6922.	1.0	8
49	Nonpeptidic Lysosomal Modulators Derived from Z-Phe-Ala-Diazomethylketone for Treating Protein Accumulation Diseases. ACS Medicinal Chemistry Letters, 2012, 3, 920-924.	1.3	12
50	Toward isozyme-selective inhibitors of histone deacetylase as therapeutic agents for the treatment of cancer. Pharmaceutical Patent Analyst, 2012, 1, 207-221.	0.4	25
51	The furan route to tropolones: probing the antiproliferative effects of Î²-thujaplicin analogs. Organic and Biomolecular Chemistry, 2012, 10, 8597.	1.5	26
52	Toward New Therapeutics for Skin and Soft Tissue Infections: Propargyl-Linked Antifolates Are Potent Inhibitors of MRSA and Streptococcus pyogenes. PLoS ONE, 2012, 7, e29434.	1.1	32
53	Tandem Metathesis Reactions of Oxabicyclo[2.2.1]heptenes: Studies on the Spirocyclic Core of Cyclopamine. Organic Letters, 2011, 13, 2433-2435.	2.4	25
54	Highly Substituted Oxabicyclic Derivatives from Furan: Synthesis of (Â±)-Platensimycin. Organic Letters, 2011, 13, 2263-2265.	2.4	34

#	Article	IF	Citations
55	Antifolate agents: a patent review (2006 â€“ 2010). Expert Opinion on Therapeutic Patents, 2011, 21, 1293-1308.	2.4	30
56	Synthetic and computational studies on liphagal: a natural product inhibitor of PI-3K. Tetrahedron Letters, 2010, 51, 6120-6122.	0.7	14
57	Natural product derivatives with bactericidal activity against Gram-positive pathogens including methicillin-resistant Staphylococcus aureus and vancomycin-resistant Enterococcus faecalis. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5936-5938.	1.0	3
58	Azaviridins as New Scaffolds for the Development of PI-3K Inhibitors. Synlett, 2010, 2010, 2875-2878.	1.0	0
59	Towards the understanding of resistance mechanisms in clinically isolated trimethoprim-resistant, methicillin-resistant Staphylococcus aureus dihydrofolate reductase. Journal of Structural Biology, 2010, 170, 93-97.	1.3	44
60	Towards New Antifolates Targeting Eukaryotic Opportunistic Infections. Eukaryotic Cell, 2009, 8, 483-486.	3.4	22
61	In vitro biological activity and structural analysis of 2,4-diamino-5-(2â€²-arylpropargyl)pyrimidine inhibitors of Candida albicans. Bioorganic and Medicinal Chemistry, 2009, 17, 4866-4872.	1.4	15
62	Probing the Active Site of Candida glabrata Dihydrofolate Reductase with High Resolution Crystal Structures and the Synthesis of New Inhibitors. Chemical Biology and Drug Design, 2009, 73, 62-74.	1.5	22
63	Selective Inhibitor of Proteasome's Caspase-like Sites Sensitizes Cells to Specific Inhibition of Chymotrypsin-like Sites. Chemistry and Biology, 2009, 16, 1278-1289.	6.2	147
64	Crystal Structures of Wild-type and Mutant Methicillin-resistant Staphylococcus aureus Dihydrofolate Reductase Reveal an Alternate Conformation of NADPH That May Be Linked to Trimethoprim Resistance. Journal of Molecular Biology, 2009, 387, 1298-1308.	2.0	53
65	Inhibitors of phosphoinositide-3-kinase: a structure-based approach to understanding potency and selectivity. Organic and Biomolecular Chemistry, 2009, 7, 840.	1.5	44
66	Natural products in parallel synthesis: Triazole libraries of nonactic acid. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3946-3949.	1.0	14
67	Structure-Guided Development of Efficacious Antifungal Agents Targeting Candida glabrata Dihydrofolate Reductase. Chemistry and Biology, 2008, 15, 990-996.	6.2	41
68	Structure-Based Approach to the Development of Potent and Selective Inhibitors of Dihydrofolate Reductase from Cryptosporidium. Journal of Medicinal Chemistry, 2008, 51, 6839-6852.	2.9	39
69	Synthetic and Crystallographic Studies of a New Inhibitor Series Targeting Bacillus anthracis Dihydrofolate Reductase. Journal of Medicinal Chemistry, 2008, 51, 7532-7540.	2.9	44
70	Dihydrofolate reductase inhibitors: developments in antiparasitic chemotherapy. Expert Opinion on Therapeutic Patents, 2008, 18, 143-157.	2.4	6
71	Versatile Oxabicyclic Synthons: Studies on C8-Oxygenated Eunicellin Diterpenes. Synlett, 2007, 2007, 2647-2650.	1.0	2
72	Highly Efficient Ligands for Dihydrofolate Reductase fromCryptosporidiumhominisandToxoplasmagondiiInspired by Structural Analysis. Journal of Medicinal Chemistry, 2007, 50, 940-950.	2.9	72

#	Article	IF	Citations
73	Electrochemical annulation of five-membered rings through dearomatization of furans and thiophenes. Chemical Communications, 2006, , 194-196.	2.2	28
74	The application of cathodic reductions and anodic oxidations in the synthesis of complex molecules. Chemical Society Reviews, 2006, 35, 605.	18.7	560
75	Resolution of Methyl Nonactate byRhodococcuserythropolisunder Aerobic and Anaerobic Conditions. Organic Letters, 2006, 8, 443-445.	2.4	16
76	Annulated heterocycles through a radical-cation cyclization: synthetic and mechanistic studies. Tetrahedron, 2006, 62, 6551-6557.	1.0	19
77	Analysis of complexes of inhibitors with Cryptosporidium hominis DHFR leads to a new trimethoprim derivative. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4366-4370.	1.0	24
78	The Cycloaddition Strategy for the Synthesis of Natural Products Containing Carbocyclic Seven-Membered Rings. Chemistry - A European Journal, 2006, 12, 3438-3447.	1.7	248
79	Synthesis of the hamigeran skeleton through an electro-oxidative coupling reaction. Tetrahedron Letters, 2005, 46, 411-414.	0.7	28
80	Studies on the Dielsâ€“Alder reaction of annulated furans: application to the synthesis of substituted phenanthrenes. Tetrahedron Letters, 2005, 46, 2789-2793.	0.7	12
81	Photocurable hard and porous biomaterials from ROMP precursors cross-linked with diyl radicals. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 5262-5265.	1.0	16
82	Halogenated Oxabicyclo[3.2.1]octadiene Building Blocks: Elaboration of the Dibromoenone. European Journal of Organic Chemistry, 2005, 2005, 4296-4303.	1.2	15
83	New Chiral Building Blocks from Tetrabromocyclopropene and Furan.. ChemInform, 2005, 36, no.	0.1	0
84	Oxabicyclo[3.2.1]octane Derivatives as Highly Reactive Dienophiles: Synthesis of Bicyclo[5.n.0] Systems.. ChemInform, 2005, 36, no.	0.1	0
85	Studies on the Dielsâ€”Alder Reaction of Annulated Furans: Application to the Synthesis of Substituted Phenanthrenes.. ChemInform, 2005, 36, no.	0.1	0
86	The gem-Dialkyl Effect in Electron Transfer Reactions: Rapid Synthesis of Seven-Membered Rings Through an Electrochemical Annulation.. ChemInform, 2005, 36, no.	0.1	0
87	Studies on the reactivity of CDDO, a promising new chemopreventive and chemotherapeutic agent: implications for a molecular mechanism of action. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2215-2219.	1.0	102
88	Furans as versatile synthons for target-oriented and diversity-oriented synthesis. Progress in Heterocyclic Chemistry, 2005, 17, 1-32.	0.5	30
89	Thegem-Dialkyl Effect in Electron Transfer Reactions:Â Rapid Synthesis of Seven-Membered Rings through an Electrochemical Annulation. Journal of the American Chemical Society, 2005, 127, 8034-8035.	6.6	44
90	Oxabicyclo[3.2.1]octane Derivatives as Highly Reactive Dienophiles:â€‰ Synthesis of Bicyclo[5.n.0] Systems. Organic Letters, 2005, 7, 423-425.	2.4	8

#	Article	IF	Citations
91	Altered specificity of Hint-W123Q supports a role for Hint inhibition by ASW in avian sex determination. Physiological Genomics, 2004, 20, 12-14.	1.0	26
92	Bicyclo[3.2.1]octane Synthons from Cyclopropenes: Functionalization of Cycloadducts by Nucleophilic Additions.. ChemInform, 2004, 35, no.	0.1	0
93	Synthesis of versatile bicyclo[5.4.0]undecane systems from tetrachlorocyclopropene. Tetrahedron Letters, 2004, 45, 2093-2096.	0.7	12
94	Ring-opening metathesis polymerization with [2+2]-crosslinking to create new materials. Tetrahedron Letters, 2004, 45, 8635-8637.	0.7	8
95	Electrooxidative Coupling of Furans and Silyl Enol Ethers:â€‰ Application to the Synthesis of Annulated Furans. Journal of Organic Chemistry, 2004, 69, 3726-3734.	1.7	63
96	Bridged Synthons from Tetrabromocyclopropene:Â Studies on the Rearrangement of the Primary Dielsâ^'Alder Adduct with 2,5-Dimethylfuran. Journal of Organic Chemistry, 2004, 69, 570-572.	1.7	21
97	New Chiral Building Blocks from Tetrabromocyclopropene and Furan. Journal of Organic Chemistry, 2004, 69, 6931-6933.	1.7	16
98	Bicyclo[3.2.1]octane Synthons from Cyclopropenes:Â Functionalization of Cycloadducts by Nucleophilic Additions. Journal of Organic Chemistry, 2004, 69, 406-416.	1.7	21
99	Two-Step Electrochemical Annulation for the Assembly of Polycyclic Systems.. ChemInform, 2003, 34, no.	0.1	0
100	The Role of Organic Synthesis in the Generation of Molecular Diversity. ChemInform, 2003, 34, no.	0.1	0
101	Carbonyl Ylides. Chemistry of Heterocyclic Compounds (New York, 1951): A Series of Monographs, 2003, , 253-314.	0.0	16
102	SYNTHESIS OF HIGHLY FUNCTIONALIZED ARENE SYSTEMS. NOVEL SELECTIVITIES OF INTRA- AND INTERMOLECULAR FRIEDELâ€“CRAFTS REACTIONS. Synthetic Communications, 2002, 32, 2417-2425.	1.1	7
103	Two-Step Electrochemical Annulation for the Assembly of Polycyclic Systems. Organic Letters, 2002, 4, 3763-3765.	2.4	30
104	Silver-Promoted Reactions of Bicyclo[3.2.1]octadiene Derivatives. Organic Letters, 2002, 4, 1997-2000.	2.4	27
105	Synthesis of Functionalized Pyrans by Domino Metathesis Reaction of Oxabicyclo Derivatives: Dramatic Effect of Remote Substituents on Reactivity and Selectivity. Angewandte Chemie - International Edition, 2002, 41, 4560-4562.	7.2	42
106	Studies on the sequential multi-component coupling/Dielsâ€“Alder cycloaddition reaction. Tetrahedron Letters, 2002, 43, 943-946.	0.7	76
107	Unusual Influence of Substituents on Ring-Opening Metathesis Reactions. Organic Letters, 2001, 3, 4275-4277.	2.4	36
108	The role of organic synthesis in the generation of molecular diversity. Organic Synthesis: Theory and Applications, 2001, , 197-254.	0.0	1

#	Article	IF	Citations
109	A multi-component reaction (MCR) approach to the synthesis of highly diverse polymers with polypeptide-like features. Molecular Diversity, 2000, 6, 237-244.	2.1	28
110	RECENT PROGRESS ON THE SYNTHESIS OF CYATHANE TYPE DITERPENES. A REVIEW. Organic Preparations and Procedures International, 2000, 32, 307-330.	0.6	42
111	An Imine Addition/Ring-Closing Metathesis Approach to the Spirocyclic Core of Halichlorine and Pinnaic Acid. Organic Letters, 2000, 2, 1847-1850.	2.4	146
112	Studies on Inducers of Nerve Growth Factor:â€‰ Synthesis of the Cyathin Core. Organic Letters, 1999, 1, 1535-1538.	2.4	71
113	Intramolecular Aziridination:Â Decomposition of Diazoamides with Tethered Imino Bonds. Organic Letters, 1999, 1, 667-670.	2.4	29
114	Application of Olefin Metathesis to Organic Synthesis. Current Organic Chemistry, 1999, 3, 211-240.	0.9	85
115	A metallocarbenoid approach to the formation of spirocyclic ammonium ylides leading to the preparation of medium-sized azacane rings. Tetrahedron Letters, 1996, 37, 2165-2168.	0.7	55
116	Facile generation of aziridines from the reaction of Î±-diazoamides with tethered oximino-ethers. Tetrahedron Letters, 1996, 37, 7205-7208.	0.7	25
117	A carbonyl-ylide approach to the tigliane diterpenes. Tetrahedron Letters, 1994, 35, 8311-8314.	0.7	62