

Daniel A Harki

List of Publications by Year in descending order

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56
papers

2,272
citations

257450

24
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223800

46
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61
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times ranked

3597
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent Modifiers: A Chemical Perspective on the Reactivity of α,β -Unsaturated Carbonyls with Thiols via Hetero-Michael Addition Reactions. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 839-885.	6.4	359
2	Structural basis for targeted DNA cytosine deamination and mutagenesis by APOBEC3A and APOBEC3B. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 131-139.	8.2	214
3	Detyrosinated microtubules modulate mechanotransduction in heart and skeletal muscle. <i>Nature Communications</i> , 2015, 6, 8526.	12.8	182
4	Structural Insights into Mechanisms of Catalysis and Inhibition in Norwalk Virus Polymerase. <i>Journal of Biological Chemistry</i> , 2008, 283, 7705-7712.	3.4	138
5	APOBEC Enzymes as Targets for Virus and Cancer Therapy. <i>Cell Chemical Biology</i> , 2018, 25, 36-49.	5.2	137
6	First-In-Class Small Molecule Inhibitors of the Single-Strand DNA Cytosine Deaminase APOBEC3G. <i>ACS Chemical Biology</i> , 2012, 7, 506-517.	3.4	112
7	Cyclic Pyrrole-Imidazole Polyamides Targeted to the Androgen Response Element. <i>Journal of the American Chemical Society</i> , 2009, 131, 7182-7188.	13.7	68
8	EPI-001 is a selective peroxisome proliferator-activated receptor-gamma modulator with inhibitory effects on androgen receptor expression and activity in prostate cancer. <i>Oncotarget</i> , 2015, 6, 3811-3824.	1.8	63
9	Signatures of Nucleotide Analog Incorporation by an RNA-Dependent RNA Polymerase Revealed Using High-Throughput Magnetic Tweezers. <i>Cell Reports</i> , 2017, 21, 1063-1076.	6.4	59
10	Molecular Basis for the N-Terminal Bromodomain-and-Extra-Terminal-Family Selectivity of a Dual Kinase-Bromodomain Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9316-9334.	6.4	56
11	Bicyclic Cyclohexenones as Inhibitors of NF- κ B Signaling. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 459-464.	2.8	54
12	Synthesis and Antiviral Evaluation of a Mutagenic and Non-Hydrogen Bonding Ribonucleoside Analogue: β -D-Ribofuranosyl-3-nitropyrrole. <i>Biochemistry</i> , 2002, 41, 9026-9033.	2.5	46
13	Lethal Mutagenesis of Picornaviruses with N-6-Modified Purine Nucleoside Analogues. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 971-979.	3.2	45
14	Lethal Mutagenesis of Poliovirus Mediated by a Mutagenic Pyrimidine Analogue. <i>Journal of Virology</i> , 2007, 81, 11256-11266.	3.4	43
15	Synthesis and Antiviral Activity of 5-Substituted Cytidine Analogues: Identification of a Potent Inhibitor of Viral RNA-Dependent RNA Polymerases. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 6166-6169.	6.4	42
16	Immunodetection of human topoisomerase I-DNA covalent complexes. <i>Nucleic Acids Research</i> , 2016, 44, 2816-2826.	14.5	42
17	<i>In vivo</i> imaging of pyrrole-imidazole polyamides with positron emission tomography. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13039-13044.	7.1	41
18	Solution-Phase Synthesis of Pyrrole-Imidazole Polyamides. <i>Journal of the American Chemical Society</i> , 2009, 131, 7175-7181.	13.7	34

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19	The Binding Interface between Human APOBEC3F and HIV-1 Vif Elucidated by Genetic and Computational Approaches. <i>Cell Reports</i> , 2015, 13, 1781-1788.	6.4	34
20	Small-Molecule APOBEC3G DNA Cytosine Deaminase Inhibitors Based on a 4-Amino-1,2,4-Triazole-3-Thiol Scaffold. <i>ChemMedChem</i> , 2013, 8, 112-117.	3.2	33
21	Targeting NF- κ B p65 with a Helenalin Inspired Bis-electrophile. <i>ACS Chemical Biology</i> , 2017, 12, 102-113.	3.4	31
22	Inhibiting APOBEC3 Activity with Single-Stranded DNA Containing 2-Deoxyzebularine Analogues. <i>Biochemistry</i> , 2019, 58, 391-400.	2.5	29
23	Selective N-Terminal BET Bromodomain Inhibitors by Targeting Non-Conserved Residues and Structured Water Displacement**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1220-1226.	13.8	27
24	Synthesis of a Universal 5-Nitroindole Ribonucleotide and Incorporation into RNA by a Viral RNA-Dependent RNA Polymerase. <i>ChemBioChem</i> , 2007, 8, 1359-1362.	2.6	25
25	A Redox Economical Synthesis of Bioactive 6,12-Guaianolides. <i>Organic Letters</i> , 2013, 15, 2644-2647.	4.6	25
26	Synthesis and antileukemic activities of C1-C10-modified parthenolide analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4737-4745.	3.0	23
27	Oxidative Reactivities of 2-Furylquinolines: Ubiquitous Scaffolds in Common High-Throughput Screening Libraries. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7419-7430.	6.4	22
28	4-Methyl-1,2,3-Triazoles as N-Acetyl-Lysine Mimics Afford Potent BET Bromodomain Inhibitors with Improved Selectivity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10497-10511.	6.4	22
29	Helenalin Analogues Targeting NF- κ B p65: Thiol Reactivity and Cellular Potency Studies of Varied Electrophiles. <i>ChemMedChem</i> , 2018, 13, 303-311.	3.2	20
30	A Structure-based Design Approach for Generating High Affinity BRD4 D1-Selective Chemical Probes. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2342-2360.	6.4	19
31	Parthenolide prodrug LC-1 slows growth of intracranial glioma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2493-2495.	2.2	18
32	4-Cyanoindole-2-deoxyribonucleoside (4CIN): A Universal Fluorescent Nucleoside Analogue. <i>Organic Letters</i> , 2018, 20, 4310-4313.	4.6	18
33	Synthesis of Guaianolide Analogues with a Tunable β -Methylene γ -lactam Electrophile and Correlating Bioactivity with Thiol Reactivity. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 14951-14978.	6.4	17
34	SN-38 Conjugated Gold Nanoparticles Activated by Ewing Sarcoma Specific mRNAs Exhibit <i>In Vitro</i> and <i>In Vivo</i> Efficacy. <i>Bioconjugate Chemistry</i> , 2018, 29, 1111-1118.	3.6	16
35	Differential Inhibition of APOBEC3 DNA-Mutator Isozymes by Fluoro- and Non-Fluoro-Substituted 2-Deoxyzebularine Embedded in Single-Stranded DNA. <i>ChemBioChem</i> , 2020, 21, 1028-1035.	2.6	16
36	Cell surface markers of cancer stem cells: diagnostic macromolecules and targets for drug delivery. <i>Drug Delivery and Translational Research</i> , 2013, 3, 121-142.	5.8	15

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37	Catch and Release DNA Decoys: Capture and Photochemical Dissociation of NF- κ B Transcription Factors. ACS Chemical Biology, 2016, 11, 1631-1638.	3.4	15
38	The current toolbox for APOBEC drug discovery. Trends in Pharmacological Sciences, 2022, 43, 362-377.	8.7	12
39	Alkyne Ligation Handles: Propargylation of Hydroxyl, Sulfhydryl, Amino, and Carboxyl Groups via the Nicholas Reaction. Organic Letters, 2016, 18, 4566-4569.	4.6	11
40	Determinants of Oligonucleotide Selectivity of APOBEC3B. Journal of Chemical Information and Modeling, 2019, 59, 2264-2273.	5.4	10
41	Structural basis for recognition of distinct deaminated DNA lesions by endonuclease Q. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	10
42	Induced intra- and intermolecular template switching as a therapeutic mechanism against RNA viruses. Molecular Cell, 2021, 81, 4467-4480.e7.	9.7	10
43	Oligomerization Route to Py [~] Im Polyamide Macrocyces. Organic Letters, 2009, 11, 3590-3593.	4.6	9
44	Active site plasticity and possible modes of chemical inhibition of the human DNA deaminase APOBEC3B. FASEB BioAdvances, 2020, 2, 49-58.	2.4	9
45	A synthetic covalent ligand of the C/EBP β transactivation domain inhibits acute myeloid leukemia cells. Cancer Letters, 2022, 530, 170-180.	7.2	8
46	Reassessing APOBEC3G Inhibition by HIV-1 Vif-Derived Peptides. Journal of Molecular Biology, 2017, 429, 88-96.	4.2	7
47	A Chemical Strategy for Intracellular Arming of an Endogenous Broad-Spectrum Antiviral Nucleotide. Journal of Medicinal Chemistry, 2021, 64, 15429-15439.	6.4	6
48	Rapid, microwave accelerated synthesis of [1,2,4]triazolo[3,4- b][1,3,4]oxadiazoles from 4-acylamino-1,2,4-triazoles. Tetrahedron Letters, 2016, 57, 4056-4060.	1.4	5
49	Synthesis of 4 [~] Cyanoindole Nucleosides, 4 [~] Cyanoindole [~] Deoxyribonucleoside [~] Triphosphate (4CIN [~] TP), and Enzymatic Incorporation of 4CIN [~] TP into DNA. Current Protocols in Nucleic Acid Chemistry, 2020, 80, e101.	0.5	4
50	Synthesis of a peptide-universal nucleotide antigen: towards next-generation antibodies to detect topoisomerase I-DNA covalent complexes. Organic and Biomolecular Chemistry, 2016, 14, 4103-4109.	2.8	3
51	Function [~] Oriented and Modular (+/ [~]) [~] cis [~] pseudoguanolide Synthesis: Discovery of New Nrf2 Activators and NF κ B Inhibitors. Chemistry - A European Journal, 2021, 27, 5564-5571.	3.3	3
52	An efficient synthesis of RNA containing GS-441524: the nucleoside precursor of remdesivir. RSC Advances, 2021, 11, 31373-31376.	3.6	3
53	Inhibition of Guanosine Monophosphate Synthetase by the Substrate Enantiomer $\langle scp \rangle L \langle /scp \rangle$ [~] XMP. ChemBioChem, 2012, 13, 2517-2520.	2.6	0
54	Selective N [~] Terminal BET Bromodomain Inhibitors by Targeting Non [~] Conserved Residues and Structured Water Displacement [~] . Angewandte Chemie, 2021, 133, 1240-1246.	2.0	0

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55	Development of a Novel Polyamide-Based Agent to Inhibit EVI1 Function. <i>Blood</i> , 2008, 112, 2660-2660.	1.4	0
56	Developing inhibitors of the SARS-CoV-2 main protease. <i>Biophysical Journal</i> , 2022, 121, 192a.	0.5	0