

Gavin W Collie

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,961
citations

471509

17
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

2396
citing authors

#	ARTICLE	IF	CITATIONS
1	The application of DNA and RNA G-quadruplexes to therapeutic medicines. <i>Chemical Society Reviews</i> , 2011, 40, 5867.	38.1	530
2	A crystallographic and modelling study of a human telomeric RNA (TERRA) quadruplex. <i>Nucleic Acids Research</i> , 2010, 38, 5569-5580.	14.5	213
3	Structural Basis for Telomeric G-Quadruplex Targeting by Naphthalene Diimide Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 2723-2731.	13.7	213
4	Structure-Based Design and Evaluation of Naphthalene Diimide G-Quadruplex Ligands As Telomere Targeting Agents in Pancreatic Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2959-2974.	6.4	163
5	Structural Basis of Telomeric RNA Quadruplex ⁺ Acridine Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2011, 133, 2721-2728.	13.7	125
6	Electrospray Mass Spectrometry of Telomeric RNA (TERRA) Reveals the Formation of Stable Multimeric G-Quadruplex Structures. <i>Journal of the American Chemical Society</i> , 2010, 132, 9328-9334.	13.7	124
7	Shaping quaternary assemblies of water-soluble non-peptide helical foldamers by sequence manipulation. <i>Nature Chemistry</i> , 2015, 7, 871-878.	13.6	115
8	Observation of unphosphorylated STAT3 core protein binding to target <i>ds</i> DNA by PEMSA and X-ray crystallography. <i>FEBS Letters</i> , 2013, 587, 833-839.	2.8	60
9	Achieving <i>In Vivo</i> Target Depletion through the Discovery and Optimization of Benzimidazolone BCL6 Degraders. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 4047-4068.	6.4	47
10	Molecular Recognition within the Cavity of a Foldamer Helix Bundle: Encapsulation of Primary Alcohols in Aqueous Conditions. <i>Journal of the American Chemical Society</i> , 2017, 139, 6128-6137.	13.7	44
11	Loop flexibility in human telomeric quadruplex small-molecule complexes. <i>Nucleic Acids Research</i> , 2015, 43, 4785-4799.	14.5	42
12	Racemic DNA Crystallography. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14424-14427.	13.8	41
13	Crystallography of DNA and RNA G-Quadruplex Nucleic Acids and Their Ligand Complexes. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2012, 50, Unit17.6.	0.5	36
14	Structural and Molecular Insight into Resistance Mechanisms of First Generation cMET Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1322-1327.	2.8	34
15	Anatomy of an Oligoureia Six-Helix Bundle. <i>Journal of the American Chemical Society</i> , 2016, 138, 10522-10530.	13.7	31
16	Structural characterization of short hybrid urea/carbamate (U/C) foldamers: A case of partial helix unwinding. <i>Biopolymers</i> , 2013, 100, 687-697.	2.4	23
17	A naphthalene diimide G-quadruplex ligand inhibits cell growth and down-regulates BCL-2 expression in an imatinib-resistant gastrointestinal cancer cell line. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2958-2964.	3.0	23
18	X-Ray Crystallographic Studies of G-Quadruplex Structures. <i>Methods in Molecular Biology</i> , 2019, 2035, 131-155.	0.9	15

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19	Structural Basis for Targeting the Folded P-Loop Conformation of c-MET. ACS Medicinal Chemistry Letters, 2021, 12, 162-167.	2.8	14
20	Optimizing Shape Complementarity Enables the Discovery of Potent Tricyclic BCL6 Inhibitors. Journal of Medicinal Chemistry, 2022, 65, 8169-8190.	6.4	13
21	Structure elucidation of the Pribnow box consensus promoter sequence by racemic DNA crystallography. Nucleic Acids Research, 2016, 44, 5936-5943.	14.5	12
22	Surfactant-facilitated crystallisation of water-soluble foldamers. Chemical Science, 2016, 7, 3377-3383.	7.4	11
23	Into Deep Water: Optimizing BCL6 Inhibitors by Growing into a Solvated Pocket. Journal of Medicinal Chemistry, 2021, 64, 17079-17097.	6.4	11
24	Fragment-Based Discovery of Novel Allosteric MEK1 Binders. ACS Medicinal Chemistry Letters, 2021, 12, 302-308.	2.8	8
25	Formation and Modulation of Nanotubular Assemblies of Oligoureia Foldamers in Aqueous Conditions using Alcohol Additives. ChemPlusChem, 2020, 85, 2243-2250.	2.8	7
26	Crystal structures capture multiple stoichiometric states of an aqueous self-assembling oligoureia foldamer. Chemical Communications, 2021, 57, 9514-9517.	4.1	6
27	Racemic crystal structures of A-DNA duplexes. Acta Crystallographica Section D: Structural Biology, 2022, 78, 709-715.	2.3	0