ZoÃ« Ann Ella Waller

List of Publications by Year
in descending order

36 papers	1,935 citations	331670 21 h-index	315739 38 g-index
45 all docs	45 docs citations	45 times ranked	2079 citing authors

#	Article	IF	Citations
1	Mechanistic Insights into the Ligand-Induced Unfolding of an RNA G-Quadruplex. Journal of the American Chemical Society, 2022, 144, 935-950.	13.7	21
2	i-Motif formation and spontaneous deletions in human cells. Nucleic Acids Research, 2022, 50, 3445-3455.	14.5	22
3	Stability and context of intercalated motifs (i-motifs) for biological applications. Biochimie, 2022, 198, 33-47.	2.6	13
4	Analysis of putative quadruplex-forming sequences in fungal genomes: novel antifungal targets?. Microbial Genomics, 2021, 7, .	2.0	6
5	Understanding the Potential In Vitro Modes of Action of Bis(Î²â€diketonato) Oxovanadium(IV) Complexes. ChemMedChem, 2021, 16, 2402-2410.	3.2	4
6	Water-Soluble Heliomycin Derivatives to Target i-Motif DNA. Journal of Natural Products, 2021, 84, 1617-1625.	3.0	4
7	[(Câ€‰C)Au(Nâ€‰N)]⁺ Complexes as a New Family of Anticancer Candidates: Synthesis, Characterization and Exploration of the Antiproliferative Properties. Chemistry - A European Journal, 2021, 27, 15773-15785.	3.3	11
8	Precious metal complexes of bis(pyridyl)allenes: synthesis and catalytic and medicinal applications. Dalton Transactions, 2021, 50, 16739-16750.	3.3	6
9	Epigenetic modification of cytosines fine tunes the stability of i-motif DNA. Nucleic Acids Research, 2020, 48, 55-62.	14.5	84
10	DNA G-Quadruplex and i-Motif Structure Formation Is Interdependent in Human Cells. Journal of the American Chemical Society, 2020, 142, 20600-20604.	13.7	74
11	Beyond Solvent Exclusion: i-Motif Detecting Capability and an Alternative DNA Light-Switching Mechanism in a Ruthenium(II) Polypyridyl Complex. Journal of the American Chemical Society, 2020, 142, 13856-13866.	13.7	23
12	Duplex DNA from Sites of Helicase-Polymerase Uncoupling Links Non-B DNA Structure Formation to Replicative Stress. Cancer Genomics and Proteomics, 2020, 17, 101-115.	2.0	7
13	Tricky Topology: Persistence of Folded Human Telomeric i-Motif DNA at Ambient Temperature and Neutral pH. Frontiers in Chemistry, 2020, 8, 40.	3.6	23
14	G-quadruplex structures trigger RNA phase separation. Nucleic Acids Research, 2019, 47, 11746-11754.	14.5	67
15	Destabilization of i-Motif DNA at Neutral pH by G-Quadruplex Ligands. Biochemistry, 2019, 58, 245-249.	2.5	28
16	A Gold(III) Pincer Ligand Scaffold for the Synthesis of Binuclear and Bioconjugated Complexes: Synthesis and Anticancer Potential. Chemistry - A European Journal, 2018, 24, 3613-3622.	3.3	29
17	Cyclometallated Au(<scp>iii</scp>) dithiocarbamate complexes: synthesis, anticancer evaluation and mechanistic studies. Metallomics, 2018, 10, 1655-1666.	2.4	40
18	Acridine-decorated cyclometallated gold(<scp>iii</scp>) complexes: synthesis and anti-tumour investigations. Dalton Transactions, 2018, 47, 13523-13534.	3.3	17

#	Article	IF	Citations
19	Redox-dependent control of i-Motif DNA structure using copper cations. Nucleic Acids Research, 2018, 46, 5886-5893.	14.5	46
20	Common G-Quadruplex Binding Agents Found to Interact With i-Motif-Forming DNA: Unexpected Multi-Target-Directed Compounds. Frontiers in Chemistry, 2018, 6, 281.	3.6	68
21	Identification of multiple genomic DNA sequences which form i-motif structures at neutral pH. Nucleic Acids Research, 2017, 45, 2951-2959.	14.5	180
22	Cytotoxicity of Pyrazine-Based Cyclometalated (C^N^{pz}^C)Au(III) Carbene Complexes: Impact of the Nature of the Ancillary Ligand on the Biological Properties. Inorganic Chemistry, 2017, 56, 5728-5740.	4.0	54
23	Identification of new DNA i-motif binding ligands through a fluorescent intercalator displacement assay. Organic and Biomolecular Chemistry, 2017, 15, 5669-5673.	2.8	42
24	Substitution of Cytosine with Guanylurea Decreases the Stability of i-Motif DNA. Biochemistry, 2017, 56, 4879-4883.	2.5	13
25	Mitoxantrone and Analogues Bind and Stabilize i-Motif Forming DNA Sequences. Scientific Reports, 2016, 6, 39456.	3.3	68
26	Control of bacterial nitrate assimilation by stabilization of G-quadruplex DNA. Chemical Communications, 2016, 52, 13511-13514.	4.1	35
27	Reversible DNA i-motif to hairpin switching induced by copper(<scp>ii</scp>) cations. Chemical Communications, 2015, 51, 14099-14102.	4.1	34
28	Identification and characterisation of a G-quadruplex forming sequence in the promoter region of nuclear factor (erythroid-derived 2)-like 2 (Nrf2). Biochemical and Biophysical Research Communications, 2014, 447, 128-132.	2.1	12
29	i-Motif DNA: Structure, stability and targeting with ligands. Bioorganic and Medicinal Chemistry, 2014, 22, 4407-4418.	3.0	315
30	Silver cations fold i-motif at neutral pH. Chemical Communications, 2013, 49, 7696.	4.1	145
31	A small molecule that induces assembly of a four way DNA junction at low temperature. Chemical Communications, 2011, 47, 8262.	4.1	31
32	G-Quadruplex-Binding Benzo[a]phenoxazines Down-Regulate c-KIT Expression in Human Gastric Carcinoma Cells. Journal of the American Chemical Society, 2011, 133, 2658-2663.	13.7	139
33	Synthesis and Binding Studies of Novel Diethynylâ€Pyridine Amides with Genomic Promoter DNA Gâ€Quadruplexes. Chemistry - A European Journal, 2011, 17, 4571-4581.	3.3	58
34	A Small Molecule That Disrupts G-Quadruplex DNA Structure and Enhances Gene Expression. Journal of the American Chemical Society, 2009, 131, 12628-12633.	13.7	123
35	Triarylpyridines: a versatile small molecule scaffold for G-quadruplex recognition. Chemical Communications, 2008, , 1467.	4.1	74
36	Raman spectroscopic and structural investigation of 1,4-diphenylbuta-1,3-diene and selected monomethyl and dimethyl substituted homologues. Analytica Chimica Acta, 2006, 580, 47-54.	5.4	5