

Andrew Kellett

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,676
citations

24
h-index

40
g-index

61
ext. papers

1,928
ext. citations

7
avg, IF

4.55
L-index

#	Paper	IF	Citations
55	Copper(II) and silver(I)-1,10-phenanthroline-5,6-dione complexes interact with double-stranded DNA: further evidence of their apparent multi-modal activity towards <i>Pseudomonas aeruginosa</i> .. <i>Journal of Biological Inorganic Chemistry</i> , 2022 , 1	3.7	0
54	A Click Chemistry Approach to Targeted DNA Crosslinking with cis-Platinum(II)-Modified Triplex-Forming Oligonucleotides. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	2
53	DNA-Targeted Metallodrugs: An Untapped Source of Artificial Gene Editing Technology. <i>ChemBioChem</i> , 2021 , 22, 2184-2205	3.8	1
52	Polypyridyl-Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. <i>Chemistry - A European Journal</i> , 2021 , 27, 971-983	4.8	4
51	Click and Cut: a click chemistry approach to developing oxidative DNA damaging agents. <i>Nucleic Acids Research</i> , 2021 , 49, 10289-10308	20.1	2
50	Design rules for environmental biodegradability of phenylalanine alkyl ester linked ionic liquids. <i>Green Chemistry</i> , 2020 , 22, 4498-4508	10	8
49	Oxidative DNA Cleavage with Clip-Phenanthroline Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020 , 21, 991-1000	3.8	7
48	Anticancer activity, DNA binding and cell mechanistic studies of estrogen-functionalised Cu(II) complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020 , 25, 49-60	3.7	7
47	Cu(ii) phenanthroline-phenazine complexes dysregulate mitochondrial function and stimulate apoptosis. <i>Metallomics</i> , 2020 , 12, 65-78	4.5	13
46	A Click Chemistry Approach to Developing Molecularly Targeted DNA Scissors. <i>Chemistry - A European Journal</i> , 2020 , 26, 16782-16792	4.8	10
45	Development of Gene-Targeted Polypyridyl Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020 , 21, 3563-3574	3.8	6
44	Molecular methods for assessment of non-covalent metallodrug-DNA interactions. <i>Chemical Society Reviews</i> , 2019 , 48, 971-988	58.5	109
43	Assessment of DNA Topoisomerase I Unwinding Activity, Radical Scavenging Capacity, and Inhibition of Breast Cancer Cell Viability of -alkyl-acridones and -,dialkyl-9,9Tbiacridylidenes. <i>Biomolecules</i> , 2019 , 9,	5.9	4
42	Synthesis, self-assembly, bacterial and fungal toxicity, and preliminary biodegradation studies of a series of L-phenylalanine-derived surface-active ionic liquids. <i>Green Chemistry</i> , 2019 , 21, 1777-1794	10	33
41	A new class of prophylactic metallo-antibiotic possessing potent anti-cancer and anti-microbial properties. <i>Dalton Transactions</i> , 2019 , 48, 8578-8593	4.3	12
40	CHAPTER 4:Recent Advances in Anticancer Copper Compounds. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2019 , 91-119	1.8	12
39	Copper -Dipyridoquinoxaline Is a Potent DNA Intercalator that Induces Superoxide-Mediated Cleavage via the Minor Groove. <i>Molecules</i> , 2019 , 24,	4.8	2

38	Polypyridyl-Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. <i>Chemistry - A European Journal</i> , 2019 , 25, 221-237	4.8	22
37	Exploring the DNA binding, oxidative cleavage, and cytotoxic properties of new ternary copper(II) compounds containing 4-aminoantipyrine and N,N-heterocyclic co-ligands. <i>Journal of Molecular Structure</i> , 2019 , 1178, 18-28	3.4	11
36	Efficient DNA Condensation by a C ₃ -Symmetric Codeine Scaffold. <i>ChemPlusChem</i> , 2019 , 84, 38-42	2.8	3
35	Di-copper metallodrugs promote NCI-60 chemotherapy via singlet oxygen and superoxide production with tandem TA/TA and AT/AT oligonucleotide discrimination. <i>Nucleic Acids Research</i> , 2018 , 46, 2733-2750	20.1	29
34	In-vivo evaluation of the response of <i>Galleria mellonella</i> larvae to novel copper(II) phenanthroline-phenazine complexes. <i>Journal of Inorganic Biochemistry</i> , 2018 , 186, 135-146	4.2	4
33	[Cu(TPMA)(Phen)](ClO): Metallodrug Nanocontainer Delivery and Membrane Lipidomics of a Neuroblastoma Cell Line Coupled with a Liposome Biomimetic Model Focusing on Fatty Acid Reactivity. <i>ACS Omega</i> , 2018 , 3, 15952-15965	3.9	9
32	Innovative DNA-Targeted Metallo-prodrug Strategy Combining Histone Deacetylase Inhibition with Oxidative Stress. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5058-5071	5.6	15
31	A phosphate-targeted dinuclear Cu(II) complex combining major groove binding and oxidative DNA cleavage. <i>Nucleic Acids Research</i> , 2018 , 46, 9918-9931	20.1	26
30	Triggering autophagic cell death with a di-manganese(II) developmental therapeutic. <i>Redox Biology</i> , 2017 , 12, 150-161	11.3	20
29	C ₃ -symmetric opioid scaffolds are pH-responsive DNA condensation agents. <i>Nucleic Acids Research</i> , 2017 , 45, 527-540	20.1	9
28	Anti- <i>Pseudomonas aeruginosa</i> activity of 1,10-phenanthroline-based drugs against both planktonic- and biofilm-growing cells. <i>Journal of Antimicrobial Chemotherapy</i> , 2016 , 71, 128-34	5.1	35
27	[Cu(o-phthalate)(phenanthroline)] Exhibits Unique Superoxide-Mediated NCI-60 Chemotherapeutic Action through Genomic DNA Damage and Mitochondrial Dysfunction. <i>ACS Chemical Biology</i> , 2016 , 11, 159-71	4.9	36
26	Water-soluble and photo-stable silver(I) dicarboxylate complexes containing 1,10-phenanthroline ligands: Antimicrobial and anticancer chemotherapeutic potential, DNA interactions and antioxidant activity. <i>Journal of Inorganic Biochemistry</i> , 2016 , 159, 120-32	4.2	38
25	Process-relevant concentrations of the leachable bDtbPP impact negatively on CHO cell production characteristics. <i>Biotechnology Progress</i> , 2016 , 32, 1547-1558	2.8	24
24	Radical-induced purine lesion formation is dependent on DNA helical topology. <i>Free Radical Research</i> , 2016 , 50, S91-S101	4	8
23	Protein engineering with artificial chemical nucleases. <i>Chemical Communications</i> , 2015 , 51, 12908-11	5.8	13
22	DNA oxidation profiles of copper phenanthrene chemical nucleases. <i>Frontiers in Chemistry</i> , 2015 , 3, 28	5	33
21	Genome Engineering with Synthetic Copper Nucleases. <i>Synlett</i> , 2015 , 26, 2623-2626	2.2	5

20	Copper phenanthrene oxidative chemical nucleases. <i>Inorganic Chemistry</i> , 2014 , 53, 5392-404	5.1	55
19	The phosphate clamp: sequence selective nucleic acid binding profiles and conformational induction of endonuclease inhibition by cationic Triplatin complexes. <i>Nucleic Acids Research</i> , 2014 , 42, 13474-87	20.1	34
18	Synthesis, structure and biological activity of silver(I) complexes of substituted imidazoles. <i>Polyhedron</i> , 2013 , 56, 180-188	2.7	37
17	A new phenanthroline-oxazine ligand: synthesis, coordination chemistry and atypical DNA binding interaction. <i>Chemical Communications</i> , 2013 , 49, 2341-3	5.8	34
16	Regulating bioactivity of Cu ²⁺ bis-1,10-phenanthroline artificial metallonucleases with sterically functionalized pendant carboxylates. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 8599-615	8.3	47
15	Metal-based antimicrobial protease inhibitors. <i>Current Medicinal Chemistry</i> , 2013 , 20, 3134-51	4.3	7
14	Copper(II) complexes of salicylic acid combining superoxide dismutase mimetic properties with DNA binding and cleaving capabilities display promising chemotherapeutic potential with fast acting in vitro cytotoxicity against cisplatin sensitive and resistant cancer cell lines. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 1957-68	8.3	124
13	Potent oxidative DNA cleavage by the di-copper cytotoxin: [Cu ₂ (terephthalate)(1,10-phen) ₄] ²⁺ . <i>Chemical Communications</i> , 2012 , 48, 6906-8	5.8	46
12	Radical-induced DNA damage by cytotoxic square-planar copper(II) complexes incorporating o-phthalate and 1,10-phenanthroline or 2,2'-dipyridyl. <i>Free Radical Biology and Medicine</i> , 2012 , 53, 564-76	7.8	52
11	In vitro and in vivo studies into the biological activities of 1,10-phenanthroline, 1,10-phenanthroline-5,6-dione and its copper(II) and silver(I) complexes. <i>Toxicology Research</i> , 2012 , 1, 47-54	2.6	62
10	Silver(I) complexes of 9-anthracenecarboxylic acid and imidazoles: synthesis, structure and antimicrobial activity. <i>Dalton Transactions</i> , 2012 , 41, 6516-27	4.3	38
9	DNA cleavage reactions of the dinuclear chemotherapeutic agent copper(II) bis-1,10-phenanthroline terephthalate. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2012 , 50, 79-81	2	2
8	Water-soluble bis(1,10-phenanthroline) octanedioate Cu ²⁺ and Mn ²⁺ complexes with unprecedented nano and picomolar in vitro cytotoxicity: promising leads for chemotherapeutic drug development. <i>MedChemComm</i> , 2011 , 2, 579	5	55
7	Bis-phenanthroline copper(II) phthalate complexes are potent in vitro antitumour agents with self-activating metallo-nuclease and DNA binding properties. <i>Dalton Transactions</i> , 2011 , 40, 1024-7	4.3	85
6	Biological activity and coordination modes of copper(II) complexes of Schiff base-derived coumarin ligands. <i>Dalton Transactions</i> , 2010 , 39, 10854-65	4.3	47
5	Hexakis(prop-2-enamide)copper(II) bis(perchlorate) and hexakis(prop-2-enamide)manganese(II) bis(perchlorate). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010 , 66, m358-62		2
4	Copper(II) complexes of coumarin-derived Schiff bases and their anti-Candida activity. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 1196-203	4.2	72
3	Synthesis, catalase, superoxide dismutase and antitumour activities of copper(II) carboxylate complexes incorporating benzimidazole, 1,10-phenanthroline and bipyridine ligands: X-ray crystal structures of [Cu(BZA) ₂ (bipy)(H ₂ O)], [Cu(SaH) ₂ (BZDH) ₂] and [Cu(CH ₃ COO) ₂ (5,6-DMBZDH) ₂] (Salt 1 = salicylic acid, BZA = benzoic acid, BZDH = benzimidazole and 5,6-DMBZDH = 5,6-dimethylbenzimidazole). <i>Polyhedron</i> , 2007 , 26, 4073-4084	2.7	113

- 2 Synthesis, X-ray crystal structures and biomimetic and anticancer activities of novel copper(II)benzoate complexes incorporating 2-(4-thiazolyl)benzimidazole (thiabendazole), 2-(2-pyridyl)benzimidazole and 1,10-phenanthroline as chelating nitrogen donor ligands. *Journal of Inorganic Biochemistry*, 2007, 101, 891-900. 4.2 172
- 1 Synthesis, Superoxide Dismutase Mimetic and Anticancer Activities of Metal Complexes of 2,2-Dimethylpentanedioic Acid(2dmepdaH(2)) and 3,3-Dimethylpentanedioic acid(3dmepdaH(2)): X-Ray Crystal Structures of [Cu(3dmepda)(bipy)](2). 6H(2)O and [Cu(2dmepda)(bipy)(EtOH)](2). 4EtOH (bipy = 2,2'-Bipyridine). *Bioinorganic Chemistry and Applications*, 2006, 2006, 80283. 4.2 19