

Andrew Kellett

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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	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. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 1957-69	4.2	172
54	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, 1957-69	8.3	124
53	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(SalH)2(BZDH)2] and [Cu(CH ₃ COO)2(5,6-DMBZDH)2] (<i>Journal of Medicinal Chemistry</i> , 2012 , 55, 1957-69)	2.7	113
52	Molecular methods for assessment of non-covalent metallodrug-DNA interactions. <i>Chemical Society Reviews</i> , 2019 , 48, 971-988	58.5	109
51	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
50	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
49	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
48	Copper phenanthrene oxidative chemical nucleases. <i>Inorganic Chemistry</i> , 2014 , 53, 5392-404	5.1	55
47	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
46	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
45	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
44	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
43	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
42	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
41	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
40	Synthesis, structure and biological activity of silver(I) complexes of substituted imidazoles. <i>Polyhedron</i> , 2013 , 56, 180-188	2.7	37
39	[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

38	Anti-Pseudomonas aeruginosa 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
37	A new phenanthroline-oxazine ligand: synthesis, coordination chemistry and atypical DNA binding interaction. <i>Chemical Communications</i> , 2013 , 49, 2341-3	5.8	34
36	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
35	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
34	DNA oxidation profiles of copper phenanthrene chemical nucleases. <i>Frontiers in Chemistry</i> , 2015 , 3, 28	5	33
33	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
32	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
31	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
30	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
29	Triggering autophagic cell death with a di-manganese(II) developmental therapeutic. <i>Redox Biology</i> , 2017 , 12, 150-161	11.3	20
28	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). <i>Bioinorganic Chemistry and Applications</i> , 2006 , 2006, 80283	4.2	19
27	Innovative DNA-Targeted Metallo-prodrug Strategy Combining Histone Deacetylase Inhibition with Oxidative Stress. <i>Molecular Pharmaceutics</i> , 2018 , 15, 5058-5071	5.6	15
26	Protein engineering with artificial chemical nucleases. <i>Chemical Communications</i> , 2015 , 51, 12908-11	5.8	13
25	Cu(ii) phenanthroline-phenazine complexes dysregulate mitochondrial function and stimulate apoptosis. <i>Metallomics</i> , 2020 , 12, 65-78	4.5	13
24	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
23	CHAPTER 4:Recent Advances in Anticancer Copper Compounds. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2019 , 91-119	1.8	12
22	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
21	A Click Chemistry Approach to Developing Molecularly Targeted DNA Scissors. <i>Chemistry - A European Journal</i> , 2020 , 26, 16782-16792	4.8	10

20	C 3-symmetric opioid scaffolds are pH-responsive DNA condensation agents. <i>Nucleic Acids Research</i> , 2017 , 45, 527-540	20.1	9
19	[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
18	Design rules for environmental biodegradability of phenylalanine alkyl ester linked ionic liquids. <i>Green Chemistry</i> , 2020 , 22, 4498-4508	10	8
17	Radical-induced purine lesion formation is dependent on DNA helical topology. <i>Free Radical Research</i> , 2016 , 50, S91-S101	4	8
16	Metal-based antimicrobial protease inhibitors. <i>Current Medicinal Chemistry</i> , 2013 , 20, 3134-51	4.3	7
15	Oxidative DNA Cleavage with Clip-Phenanthroline Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020 , 21, 991-1000	3.8	7
14	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
13	Development of Gene-Targeted Polypyridyl Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020 , 21, 3563-3574	3.8	6
12	Genome Engineering with Synthetic Copper Nucleases. <i>Synlett</i> , 2015 , 26, 2623-2626	2.2	5
11	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
10	In-vivo evaluation of the response of Galleria mellonella larvae to novel copper(II) phenanthroline-phenazine complexes. <i>Journal of Inorganic Biochemistry</i> , 2018 , 186, 135-146	4.2	4
9	Polypyridyl-Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. <i>Chemistry - A European Journal</i> , 2021 , 27, 971-983	4.8	4
8	Efficient DNA Condensation by a C -Symmetric Codeine Scaffold. <i>ChemPlusChem</i> , 2019 , 84, 38-42	2.8	3
7	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
6	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
5	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
4	Copper -Dipyridoquinoxaline Is a Potent DNA Intercalator that Induces Superoxide-Mediated Cleavage via the Minor Groove. <i>Molecules</i> , 2019 , 24,	4.8	2
3	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

- 2 DNA-Targeted Metallodrugs: An Untapped Source of Artificial Gene Editing Technology.
ChemBioChem, **2021**, 22, 2184-2205 3.8 1
- 1 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 *Pseudomonas aeruginosa*..
Journal of Biological Inorganic Chemistry, **2022**, 1 3.7 0