Andrew Kellett

List of Publications by Year
in descending order

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59 papers	2,252 citations	201385 27 h-index	223531 46 g-index
61 all docs	61 docs citations	61 times ranked	2693 citing authors

#	Article	IF	Citations
1	Molecular methods for assessment of non-covalent metallodrugâ€“DNA interactions. Chemical Society Reviews, 2019, 48, 971-988.	18.7	196
2	Synthesis, X-ray crystal structures and biomimetic and anticancer activities of novel copper(II)benzoate complexes incorporating 2-(4â€²-thiazolyl)benzimidazole (thiabendazole), 2-(2-pyridyl)benzimidazole and 1,10-phenanthroline as chelating nitrogen donor ligands. Journal of Inorganic Biochemistry, 2007, 101, 881-892.	1.5	178
3	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. Journal of Medicinal Chemistry, 2012, 55, 1957-1968.	2.9	146
4	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)(H2O)], [Cu(SalH)2(BZDH)2] and [Cu(CH3COO)2(5,6-DMBZDH)2] (SalH2=salicylic acid; BZAH=benzoic acid; BZDH=benzimidazole and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 607 Td (5,6-DMBZDH=5,6-di	1.0	129
5	Copper(II) complexes of coumarin-derived Schiff bases and their anti-Candida activity. Journal of Inorganic Biochemistry, 2009, 103, 1196-1203.	1.5	101
6	Bis-phenanthroline copper(ii) phthalate complexes are potent in vitro antitumour agents with â€˜self-activatingâ€™ metallo-nuclease and DNA binding properties. Dalton Transactions, 2011, 40, 1024-1027.	1.6	98
7	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. Toxicology Research, 2012, 1, 47-54.	0.9	77
8	Water-soluble bis(1,10-phenanthroline) octanedioate Cu2+ and Mn2+ complexes with unprecedented nano and picomolar in vitro cytotoxicity: promising leads for chemotherapeutic drug development. MedChemComm, 2011, 2, 579.	3.5	73
9	Copper Phenanthrene Oxidative Chemical Nucleases. Inorganic Chemistry, 2014, 53, 5392-5404.	1.9	72
10	Radical-induced DNA damage by cytotoxic square-planar copper(II) complexes incorporating o-phthalate and 1,10-phenanthroline or 2,2â€²-dipyridyl. Free Radical Biology and Medicine, 2012, 53, 564-576.	1.3	64
11	Biological activity and coordination modes of copper(ii) complexes of Schiff base-derived coumarin ligands. Dalton Transactions, 2010, 39, 10854.	1.6	59
12	Regulating Bioactivity of Cu²⁺ Bis-1,10-phenanthroline Artificial Metallonucleases with Sterically Functionalized Pendant Carboxylates. Journal of Medicinal Chemistry, 2013, 56, 8599-8615.	2.9	55
13	Potent oxidative DNA cleavage by the di-copper cytotoxin: [Cu2(Î¼-terephthalate)(1,10-phen)4]2+. Chemical Communications, 2012, 48, 6906.	2.2	54
14	Anti-Pseudomonas aeruginosaactivity of 1,10-phenanthroline-based drugs against both planktonic- and biofilm-growing cells. Journal of Antimicrobial Chemotherapy, 2016, 71, 128-134.	1.3	54
15	Water-soluble and photo-stable silver(I) dicarboxylate complexes containing 1,10-phenanthroline ligands: Antimicrobial and anticancer chemotherapeutic potential, DNA interactions and antioxidant activity. Journal of Inorganic Biochemistry, 2016, 159, 120-132.	1.5	52
16	Synthesis, self-assembly, bacterial and fungal toxicity, and preliminary biodegradation studies of a series of<scp>l</scp>-phenylalanine-derived surface-active ionic liquids. Green Chemistry, 2019, 21, 1777-1794.	4.6	52
17	Silver(i) complexes of 9-anthracenecarboxylic acid and imidazoles: synthesis, structure and antimicrobial activity. Dalton Transactions, 2012, 41, 6516.	1.6	45
18	Synthesis, structure and biological activity of silver(I) complexes of substituted imidazoles. Polyhedron, 2013, 56, 180-188.	1.0	41

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19	The phosphate clamp: sequence selective nucleic acid binding profiles and conformational induction of endonuclease inhibition by cationic Triplatin complexes. Nucleic Acids Research, 2014, 42, 13474-13487.	6.5	41
20	DNA oxidation profiles of copper phenanthrene chemical nucleases. Frontiers in Chemistry, 2015, 3, 28.	1.8	41
21	Di-copper metallodrugs promote NCI-60 chemotherapy via singlet oxygen and superoxide production with tandem TA/TA and AT/AT oligonucleotide discrimination. Nucleic Acids Research, 2018, 46, 2733-2750.	6.5	41
22	[Cu(o-phthalate)(phenanthroline)] Exhibits Unique Superoxide-Mediated NCI-60 Chemotherapeutic Action through Genomic DNA Damage and Mitochondrial Dysfunction. ACS Chemical Biology, 2016, 11, 159-171.	1.6	40
23	A phosphate-targeted dinuclear Cu(II) complex combining major groove binding and oxidative DNA cleavage. Nucleic Acids Research, 2018, 46, 9918-9931.	6.5	39
24	A new phenanthrolineâ€“oxazine ligand: synthesis, coordination chemistry and atypical DNA binding interaction. Chemical Communications, 2013, 49, 2341.	2.2	37
25	Processâ€relevant concentrations of the leachable b<scp>D</scp>t<scp>BPP</scp> impact negatively on C<scp>HO</scp> cell production characteristics. Biotechnology Progress, 2016, 32, 1547-1558.	1.3	29
26	Triggering autophagic cell death with a di-manganese(II) developmental therapeutic. Redox Biology, 2017, 12, 150-161.	3.9	29
27	Polypyridylâ€Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. Chemistry - A European Journal, 2019, 25, 221-237.	1.7	29
28	Cu(<scp>ii</scp>) phenanthrolineâ€“phenazine complexes dysregulate mitochondrial function and stimulate apoptosis. Metallomics, 2020, 12, 65-78.	1.0	24
29	A Click Chemistry Approach to Developing Molecularly Targeted DNA Scissors. Chemistry - A European Journal, 2020, 26, 16782-16792.	1.7	23
30	Synthesis, Superoxide Dismutase Mimetic and Anticancer Activities of Metal Complexes of 2,2-Dimethylpentanedioic Acid(2dmepdaH2) and 3,3-Dimethylpentanedioic acid(3dmepdaH2): X-Ray Crystal Structures of [Cu(3dmepda)(bipy)]2â‹…6H2Oand [Cu(2dmepda)(bipy)(EtOH)]2â‹…4EtOH(bipy=2,2â€²Bipyridine). Bioinorganic Chemistry and Applications, 2006, 2006, 1-11.	1.8	22
31	Innovative DNA-Targeted Metallo-prodrug Strategy Combining Histone Deacetylase Inhibition with Oxidative Stress. Molecular Pharmaceutics, 2018, 15, 5058-5071.	2.3	22
32	A new class of prophylactic metallo-antibiotic possessing potent anti-cancer and anti-microbial properties. Dalton Transactions, 2019, 48, 8578-8593.	1.6	19
33	Recent Advances in Anticancer Copper Compounds. 2-Oxoglutarate-Dependent Oxygenases, 2019, , 91-119.	0.8	19
34	Anticancer activity, DNA binding and cell mechanistic studies of estrogen-functionalised Cu(II) complexes. Journal of Biological Inorganic Chemistry, 2020, 25, 49-60.	1.1	18
35	DNAâ€Targeted Metallodrugs: An Untapped Source of Artificial Gene Editing Technology. ChemBioChem, 2021, 22, 2184-2205.	1.3	18
36	Polypyridylâ€Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. Chemistry - A European Journal, 2021, 27, 971-983.	1.7	17

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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. Journal of Molecular Structure, 2019, 1178, 18-28.	1.8	16
38	A Click Chemistry Approach to Targeted DNA Crosslinking with cisâ€Platinum(II)â€Modified Triplexâ€Forming Oligonucleotides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
39	Design rules for environmental biodegradability of phenylalanine alkyl ester linked ionic liquids. Green Chemistry, 2020, 22, 4498-4508.	4.6	15
40	Protein engineering with artificial chemical nucleases. Chemical Communications, 2015, 51, 12908-12911.	2.2	14
41	Development of Geneâ€Targeted Polypyridyl Triplexâ€Forming Oligonucleotide Hybrids. ChemBioChem, 2020, 21, 3563-3574.	1.3	14
42	[Cu(TPMA)(Phen)](ClO₄)₂: Metallodrug Nanocontainer Delivery and Membrane Lipidomics of a Neuroblastoma Cell Line Coupled with a Liposome Biomimetic Model Focusing on Fatty Acid Reactivity. ACS Omega, 2018, 3, 15952-15965.	1.6	12
43	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, 27, 201-213.	1.1	12
44	Radical-induced purine lesion formation is dependent on DNA helical topology. Free Radical Research, 2016, 50, S91-S101.	1.5	11
45	C₃-symmetric opioid scaffolds are pH-responsive DNA condensation agents. Nucleic Acids Research, 2017, 45, 527-540.	6.5	11
46	Oxidative DNA Cleavage with Clipâ€Phenanthroline Triplexâ€Forming Oligonucleotide Hybrids. ChemBioChem, 2020, 21, 991-1000.	1.3	11
47	Enzymatic Synthesis of Chemical Nuclease Triplex-Forming Oligonucleotides with Gene-Silencing Applications. Nucleic Acids Research, 2022, 50, 5467-5481.	6.5	10
48	In-vivo evaluation of the response of Galleria mellonella larvae to novel copper(II) phenanthroline-phenazine complexes. Journal of Inorganic Biochemistry, 2018, 186, 135-146.	1.5	9
49	Click and Cut: a click chemistry approach to developing oxidative DNA damaging agents. Nucleic Acids Research, 2021, 49, 10289-10308.	6.5	9
50	Assessment of DNA Topoisomerase I Unwinding Activity, Radical Scavenging Capacity, and Inhibition of Breast Cancer Cell Viability of N-alkyl-acridones and N,Nâ€²-dialkyl-9,9â€²-biacridylidenes. Biomolecules, 2019, 9, 177.	1.8	8
51	Metal-Based Antimicrobial Protease Inhibitors. Current Medicinal Chemistry, 2013, 20, 3134-3151.	1.2	7
52	Efficient DNA Condensation by a C₃â€Symmetric Codeine Scaffold. ChemPlusChem, 2019, 84, 38-42.	1.3	6
53	Genome Engineering with Synthetic Copper Nucleases. Synlett, 2015, 26, 2623-2626.	1.0	5
54	Copper bis-Dipyridoquinoxaline Is a Potent DNA Intercalator that Induces Superoxide-Mediated Cleavage via the Minor Groove. Molecules, 2019, 24, 4301.	1.7	5

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55	Mapping the DNA Damaging Effects of Polypyridyl Copper Complexes with DNA Electrochemical Biosensors. Molecules, 2022, 27, 645.	1.7	3
56	Hexakis(prop-2-enamide)copper(II) bis(perchlorate) and hexakis(prop-2-enamide)manganese(II) bis(perchlorate). Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, m358-m362.	0.4	2
57	DNA cleavage reactions of the dinuclear chemotherapeutic agent copper(II) bis-1,10- phenanthroline terephthalate. International Journal of Clinical Pharmacology and Therapeutics, 2012, 50, 79-81.	0.3	2
58	Frontispiece: Polypyridylâ€Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. Chemistry - A European Journal, 2019, 25, .	1.7	0
59	A Click Chemistry Approach to Targeted DNA Crosslinking with cisâ€Platinum(II) Modified Triplex Forming Oligonucleotides. Angewandte Chemie, 0, , .	1.6	0