

Zara Molphy

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.

21
papers

410
citations

11
h-index

20
g-index

25
ext. papers

528
ext. citations

9.9
avg, IF

3.83
L-index

#	Paper	IF	Citations
21	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
20	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
19	Polypyridyl-Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. <i>Chemistry - A European Journal</i> , 2021 , 27, 971-983	4.8	4
18	Cu(II) phenanthroline-phenazine complexes dysregulate mitochondrial function and stimulate apoptosis. <i>Metallomics</i> , 2020 , 12, 65-78	4.5	13
17	Development of Gene-Targeted Polypyridyl Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020 , 21, 3563-3574	3.8	6
16	Molecular methods for assessment of non-covalent metallodrug-DNA interactions. <i>Chemical Society Reviews</i> , 2019 , 48, 971-988	58.5	109
15	Assessment of DNA Topoisomerase I Unwinding Activity, Radical Scavenging Capacity, and Inhibition of Breast Cancer Cell Viability of β -alkyl-acridones and β -dialkyl-9,9-biacridylidenes. <i>Biomolecules</i> , 2019 , 9,	5.9	4
14	CHAPTER 4:Recent Advances in Anticancer Copper Compounds. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2019 , 91-119	1.8	12
13	Copper -Dipyridoquinoxaline Is a Potent DNA Intercalator that Induces Superoxide-Mediated Cleavage via the Minor Groove. <i>Molecules</i> , 2019 , 24,	4.8	2
12	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
11	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
10	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
9	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
8	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
7	Triggering autophagic cell death with a di-manganese(II) developmental therapeutic. <i>Redox Biology</i> , 2017 , 12, 150-161	11.3	20
6	C 3-symmetric opioid scaffolds are pH-responsive DNA condensation agents. <i>Nucleic Acids Research</i> , 2017 , 45, 527-540	20.1	9
5	Radical-induced purine lesion formation is dependent on DNA helical topology. <i>Free Radical Research</i> , 2016 , 50, S91-S101	4	8

- 4 DNA oxidation profiles of copper phenanthrene chemical nucleases. *Frontiers in Chemistry*, **2015**, 3, 28 5 33
- 3 Copper phenanthrene oxidative chemical nucleases. *Inorganic Chemistry*, **2014**, 53, 5392-404 5.1 55
- 2 The phosphate clamp: sequence selective nucleic acid binding profiles and conformational induction of endonuclease inhibition by cationic Triplatin complexes. *Nucleic Acids Research*, **2014**, 42, 13474-87 20.1 34
- 1 Metal-based antimicrobial protease inhibitors. *Current Medicinal Chemistry*, **2013**, 20, 3134-51 4.3 7