

Zara Molphy

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

657
citations

686830

13
h-index

713013

21
g-index

25
all docs

25
docs citations

25
times ranked

971
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular methods for assessment of non-covalent metallodrugâ€“DNA interactions. <i>Chemical Society Reviews</i> , 2019, 48, 971-988.	18.7	196
2	Copper Phenanthrene Oxidative Chemical Nucleases. <i>Inorganic Chemistry</i> , 2014, 53, 5392-5404.	1.9	72
3	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, 13474-13487.	6.5	41
4	DNA oxidation profiles of copper phenanthrene chemical nucleases. <i>Frontiers in Chemistry</i> , 2015, 3, 28.	1.8	41
5	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.	6.5	41
6	A phosphate-targeted dinuclear Cu(II) complex combining major groove binding and oxidative DNA cleavage. <i>Nucleic Acids Research</i> , 2018, 46, 9918-9931.	6.5	39
7	Triggering autophagic cell death with a di-manganese(II) developmental therapeutic. <i>Redox Biology</i> , 2017, 12, 150-161.	3.9	29
8	Polypyridylâ€“Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. <i>Chemistry - A European Journal</i> , 2019, 25, 221-237.	1.7	29
9	Cu(II) phenanthrolineâ€“phenazine complexes dysregulate mitochondrial function and stimulate apoptosis. <i>Metallomics</i> , 2020, 12, 65-78.	1.0	24
10	Recent Advances in Anticancer Copper Compounds. <i>2-Oxoglutarate-Dependent Oxygenases</i> , 2019, , 91-119.	0.8	19
11	Polypyridylâ€“Based Copper Phenanthrene Complexes: Combining Stability with Enhanced DNA Recognition. <i>Chemistry - A European Journal</i> , 2021, 27, 971-983.	1.7	17
12	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.	1.8	16
13	A Click Chemistry Approach to Targeted DNA Crosslinking with <i>cis</i> -Platinum(II)-Modified Triplex-Forming Oligonucleotides. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
14	Development of Gene-Targeted Polypyridyl Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020, 21, 3563-3574.	1.3	14
15	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, 27, 201-213.	1.1	12
16	Radical-induced purine lesion formation is dependent on DNA helical topology. <i>Free Radical Research</i> , 2016, 50, S91-S101.	1.5	11
17	<i>C</i> ₃ -symmetric opioid scaffolds are pH-responsive DNA condensation agents. <i>Nucleic Acids Research</i> , 2017, 45, 527-540.	6.5	11
18	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.	1.5	9

#	ARTICLE	IF	CITATIONS
19	Assessment of DNA Topoisomerase I Unwinding Activity, Radical Scavenging Capacity, and Inhibition of Breast Cancer Cell Viability of N-alkyl-acridones and N,N ² -dialkyl-9,9 ² -biacridylidenes. <i>Biomolecules</i> , 2019, 9, 177.	1.8	8
20	Metal-Based Antimicrobial Protease Inhibitors. <i>Current Medicinal Chemistry</i> , 2013, 20, 3134-3151.	1.2	7
21	Copper bis-Dipyridoquinoxaline Is a Potent DNA Intercalator that Induces Superoxide-Mediated Cleavage via the Minor Groove. <i>Molecules</i> , 2019, 24, 4301.	1.7	5
22	Frontispiece: Polypyridyl ² -Based Copper Phenanthrene Complexes: A New Type of Stabilized Artificial Chemical Nuclease. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
23	A Click Chemistry Approach to Targeted DNA Crosslinking with cis ² -Platinum(II) Modified Triplex Forming Oligonucleotides. <i>Angewandte Chemie</i> , 0, , .	1.6	0