

# Mehvash Zaki

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

672  
citations

840776

11  
h-index

713466

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22  
docs citations

22  
times ranked

1182  
citing authors

#	ARTICLE	IF	CITATIONS
1	New modulated design and synthesis of quercetinâ€“Cu(II)/Zn(II)â€“Sn(II) scaffold as anticancer agents: in vitro DNA binding profile, DNA cleavage pathway and Topo-I activity. Dalton Transactions, 2013, 42, 10029.	3.3	84
2	Current and future potential of metallo drugs: Revisiting DNA-binding of metal containing molecules and their diverse mechanism of action. Inorganica Chimica Acta, 2016, 444, 1-22.	2.4	79
3	Synthesis and structure elucidation of a copper(II) Schiff-base complex: In vitro DNA binding, pBR322 plasmid cleavage and HSA binding studies. Journal of Photochemistry and Photobiology B: Biology, 2014, 140, 321-331.	3.8	66
4	Scope of organometallic compounds based on transition metal-arene systems as anticancer agents: starting from the classical paradigm to targeting multiple strategies. RSC Advances, 2019, 9, 3239-3278.	3.6	62
5	Nuclear blebbing of biologically active organoselenium compound towards human cervical cancer cell (HeLa): In vitro DNA/HSA binding, cleavage and cell imaging studies. European Journal of Medicinal Chemistry, 2015, 90, 876-888.	5.5	61
6	Synthesis of heterobimetallic complexes: In vitro DNA binding, cleavage and antimicrobial studies. Journal of Photochemistry and Photobiology B: Biology, 2012, 114, 108-118.	3.8	56
7	Synthesis and crystal structure determination of copper(II)-complex: In vitro DNA and HSA binding, pBR322 plasmid cleavage, cell imaging and cytotoxic studies. European Journal of Medicinal Chemistry, 2014, 83, 141-154.	5.5	56
8	Synthesis and characterization of Cu(II)-based anticancer chemotherapeutic agent targeting topoisomerase II $\alpha$ : In vitro DNA binding, pBR322 cleavage, molecular docking studies and cytotoxicity against human cancer cell lines. European Journal of Medicinal Chemistry, 2014, 74, 509-523.	5.5	51
9	Coumarin centered copper(II) complex with appended-imidazole as cancer chemotherapeutic agents against lung cancer: molecular insight via DFT-based vibrational analysis. RSC Advances, 2017, 7, 36056-36071.	3.6	45
10	Synthesis and crystal structure elucidation of new copper(II)-based chemotherapeutic agent coupled with 1,2-DACH and orthovanillin: Validated by in vitro DNA/HSA binding profile and pBR322 cleavage pathway. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 318-327.	3.8	15
11	Synthesis and crystal structure determination of a mononuclear cobalt(II) complex derived from 4-(pyridin-4-ylmethoxy)-benzoic acid: evaluation of the DNA/protein interaction and photo-induced pBR322 DNA cleavage. RSC Advances, 2015, 5, 35843-35851.	3.6	13
12	Synthesis and Characterization of Ni(II)/Zn(II) Metal Complexes Derived from Schiff Base and Ortho-Phenylenediamine: In vitro DNA Binding, Molecular Modeling and RBC Hemolysis. ChemistrySelect, 2020, 5, 610-618.	1.5	13
13	Half sandwiched Ruthenium(II) complexes: En Route towards the targeted delivery by Human Serum Albumin (HSA). Journal of Organometallic Chemistry, 2021, 937, 121732.	1.8	12
14	Synthesis, structure elucidation and DFT studies of a new coumarin-derived Zn(II) complex: in vitro DNA/HSA binding profile and pBR322 cleavage pathway. RSC Advances, 2014, 4, 43504-43515.	3.6	11
15	Synthesis and structure elucidation of new open cubane tetranuclear [Cu(II) <sub>4</sub> ] Cluster: Evaluation of the DNA/HSA interaction and pBR322 DNA cleavage pathway and cytotoxicity. Inorganica Chimica Acta, 2017, 463, 142-155.	2.4	10
16	Synthesis and characterization of new metal complexes containing Triazino[5,6-b]indole moiety: In vitro DNA and HSA binding studies. Journal of Molecular Structure, 2021, 1246, 131203.	3.6	9
17	DNA binding, docking studies, artificial nuclease activity and in vitro cytotoxicity of newly synthesized steroidal 1H-pyrimidines. Comptes Rendus Chimie, 2014, 17, 359-369.	0.5	8
18	TBHP/TBAI-Mediated simple and efficient synthesis of 3,5-disubstituted and 1,3,5-trisubstituted 1H-1,2,4-triazoles via oxidative decarbonylation of aromatic aldehydes and testing for antibacterial activities. Tetrahedron Letters, 2020, 61, 151989.	1.4	8

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19	Synthesis, crystal structure elucidation and DNA/HSA binding profile of Ni(II) complex of Schiff base derived from 3-ethoxy salicylaldehyde and o-phenylenediamine. <i>Journal of Molecular Structure</i> , 2022, 1265, 133351.	3.6	5
20	Synthesis and crystal structure determination of cobalt(II) mixed-ligand complex containing 1,10-phenanthroline and 5-(2-carboxybenzyloxy)isophthalic acid: Their biological evaluation viz. DNA/protein binding profile, pBR322 DNA cleavage activity. <i>Inorganica Chimica Acta</i> , 2016, 451, 216-226.	2.4	4
21	An efficient TBHP/TBAI-mediated protocol for the synthesis of 4H-chromen-4-ones from chroman-4-ones via oxidative C-C bond formation. <i>Monatshefte für Chemie</i> , 2020, 151, 599-603.	1.8	4