

Nasima Arshad

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigations on Anticancer Potentials by DNA Binding and Cytotoxicity Studies for Newly Synthesized and Characterized Imidazolidine and Thiazolidine-Based Isatin Derivatives. <i>Molecules</i> , 2022, 27, 354.	3.8	14
2	Investigations on the Morphological, Mechanical, Ablative, Physical, Thermal, and Electrical Properties of EPDM-Based Composites for the Exploration of Enhanced Thermal Insulation Potential. <i>Polymers</i> , 2022, 14, 863.	4.5	6
3	Structure and surface analyses of a newly synthesized acyl thiourea derivative along with its <i>in silico</i> and <i>in vitro</i> investigations for RNR, DNA binding, urease inhibition and radical scavenging activities. <i>RSC Advances</i> , 2022, 12, 17194-17207.	3.6	6
4	Nanoparticle-modified coatings by electrophoretic deposition for corrosion protection of magnesium. <i>Surface Engineering</i> , 2022, 38, 430-439.	2.2	7
5	Synthesis, X-ray, Hirshfeld surface analysis, exploration of DNA binding, urease enzyme inhibition and anticancer activities of novel adamantane-naphthyl thiourea conjugate. <i>Bioorganic Chemistry</i> , 2021, 109, 104707.	4.1	19
6	Identification of a novel click-derived 1,2,3-triazole as selective Hg ²⁺ ion detector: computational and experimental investigations. <i>Chemical Papers</i> , 2021, 75, 6377-6388.	2.2	1
7	Molecular docking analysis and spectroscopic investigations of zinc(II), nickel(II) N-phthaloyl-L-alanine complexes for DNA binding: Evaluation of antibacterial and antitumor activities. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101323.	5.2	14
8	Synthesis, characterization, fabrication, and electrochemical performance of transition metal doped LSCTA- as anode candidates for SOFCs. <i>Materials Chemistry and Physics</i> , 2021, 270, 124875.	4.0	3
9	Synthesis, structure elucidation and surface analysis of a new single crystal N-((2-(benzo [4,5]imidazo) Tj ETQq1 1 0.784314 rgBT /Ov studies. <i>Journal of Molecular Structure</i> , 2020, 1205, 127496.	3.6	8
10	Structure and surface analysis of ibuprofen-organotin conjugate: Potential anti-cancer drug candidacy of the compound is proven by in-vitro DNA binding and cytotoxicity studies. <i>Polyhedron</i> , 2020, 192, 114845.	2.2	9
11	Anti-Corrosive Potentials of 1,2,4-Triazole-5-thiones For Mild Steel 1030 in Acidic Environment. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2020, 56, 816-825.	1.1	6
12	Synergic Effect of Niobium Doping and Carbon Coating on the Performance of a Li ₂ ZnTi ₃ O ₈ Anode Candidate for Lithium Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 14968-14974.	5.1	6
13	Indigenous waste plant materials: An easy and cost-effective approach for the removal of heavy metals from water. <i>Current Research in Green and Sustainable Chemistry</i> , 2020, 3, 100040.	5.6	8
14	Alternating Current Electrophoretic Deposition of Chitosan-Gelatin-Bioactive Glass on Mg-Sr Alloy for Corrosion Protection. <i>ACS Applied Bio Materials</i> , 2020, 3, 7052-7060.	4.6	18
15	Synthesis, X-ray crystal structure elucidation and Hirshfeld surface analysis of N-((4-(4-hydroxybenzo[d]imidazole-2-yl)phenyl)carbamothioyl)benzamide: investigations for elastase inhibition, antioxidant and DNA binding potentials for biological applications. <i>RSC Advances</i> , 2020, 10, 20837-20851.	3.6	20
16	Advanced electrochemical investigations of niobium modified Li ₂ ZnTi ₃ O ₈ lithium ion battery anode materials. <i>Journal of Power Sources</i> , 2020, 462, 228186.	7.8	20
17	Furan and Phenyl Substituted Triazolothiadiazine Derivatives as Copper Corrosion Inhibitors: Electrochemical and DFT Studies. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2019, 55, 770-780.	1.1	4
18	Experimental, theoretical, and surface study for corrosion inhibition of mild steel in 1M HCl by using synthetic anti-biotic derivatives. <i>Ionics</i> , 2019, 25, 5057-5075.	2.4	22

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19	4-(4-Bromophenyl)thiazol-2-amine: Crystal structure determination, DFT calculations, visualizing intermolecular interactions using Hirshfeld surface analysis, and DNA binding studies. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3968.	1.9	10
20	Fabrication and Electrochemical Performance of Zn-Doped La _{0.2} Sr _{0.25} Ca _{0.45} TiO ₃ Infiltrated with Nickel-CGO, Iron, and Cobalt as an Alternative Anode Material for Solid Oxide Fuel Cells. <i>Catalysts</i> , 2019, 9, 269.	3.5	5
21	Synthesis, crystal structure, Hirshfeld surface analysis and DNA binding studies of 1-((E)-3-(4-bromophenyl)-1-phenylallylidene)-2-(m-tolyl)hydrazine. <i>Journal of Molecular Structure</i> , 2019, 1189, 112-121.	3.6	3
22	Synthesis, Crystal Structure, Hirshfeld Surface Analysis, DFT, and DNA-Binding Studies of (E)-2-(3-Hydroxy-4-Methoxybenzylidene)Hydrazinecarbothioamide. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 175-192.	2.9	4
23	Aroylthiourea derivatives of ciprofloxacin drug as DNA binder: Theoretical, spectroscopic and electrochemical studies along with cytotoxicity assessment. <i>Archives of Biochemistry and Biophysics</i> , 2019, 666, 83-98.	3.0	16
24	Kinetics, Mechanistic and Theoretical Studies on Scavenging Activities of Antioxidants Using 1,2-Dinitrobenzene DNB/DNB ^{•+} and DNB/DNB ^{•-} Model Systems: Cyclic Voltammetric and Quantum Semi-Empirical Data Interpretation. <i>Russian Journal of Electrochemistry</i> , 2018, 54, 1252-1273.	0.9	0
25	Synthesis, theoretical, spectroscopic and electrochemical DNA binding investigations of 1, 3, 4-thiadiazole derivatives of ibuprofen and ciprofloxacin: Cancer cell line studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 104-118.	3.8	60
26	Electrochemical, spectroscopic and theoretical monitoring of anthracyclines [™] interactions with DNA and ascorbic acid by adopting two routes: Cancer cell line studies. <i>PLoS ONE</i> , 2018, 13, e0205764.	2.5	26
27	Cyclic Voltammetric DNA Binding Investigations on Some Anticancer Potential Metal Complexes: a Review. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 1090-1110.	2.9	31
28	Structure elucidation, DNA binding, DFT, molecular docking and cytotoxic activity studies on novel single crystal (E)-1-(2-fluorobenzylidene)thiosemicarbazide. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 1003-1013.	5.2	15
29	Triazolothiadiazine derivatives as corrosion inhibitors for copper, mild steel and aluminum surfaces: Electrochemical and quantum investigations. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2017, 53, 343-358.	1.1	16
30	Spectroscopic, molecular docking and structural activity studies of (E)-N ² -(substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td screening. <i>Journal of Molecular Structure</i> , 2017, 1139, 371-380.	3.6	20
31	Synthesis, characterization of amide substituted dexibuprofen derivatives and their spectral, voltammetric and docking investigations for DNA binding interactions. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 169, 134-147.	3.8	9
32	Assessment of arsenic, fluoride, bacteria, and other contaminants in drinking water sources for rural communities of Kasur and other districts in Punjab, Pakistan. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2449-2463.	5.3	29
33	Spectroscopic, electrochemical DNA binding and in vivo anti-inflammatory studies on newly synthesized Schiff bases of 4-aminophenazone. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 138, 331-346.	3.8	27
34	Electrochemical and spectroscopic investigations of carboxylic acid ligand and its triorganotin complexes for their binding with ds.DNA: In vitro biological studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 125, 70-82.	3.8	33
35	Synthesis, crystal structure, DNA binding and in vitro biological studies of Ni(II), Cu(II) and Zn(II) complexes of N-phthaloylglycine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 117, 228-239.	3.8	43
36	Electrochemical and spectroscopic investigations of isoniazide and its analogs with ds.DNA at physiological pH: Evaluation of biological activities. <i>European Journal of Medicinal Chemistry</i> , 2012, 47, 452-461.	5.5	48

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37	Single crystal, Hirshfeld surface, DFT analyses of (E)-2-(2-chloro-6-fluorobenzylidene)hydrazinecarbothioamide: Elastase inhibition and DNA binding studies. Journal of Physical Organic Chemistry, 0, , e4296.	1.9	1