

# Maidul Islam

## List of Publications by Year in descending order

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43  
papers

1,343  
citations

489802

18  
h-index

388640

36  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1184  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison on the biochemical activities of Fluorescein disodium, Rose Bengal and Rhodamine 101 in the light of DNA binding, antimicrobial and cytotoxic study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9848-9859.	2.0	8
2	Development of DNA intercalative, HSA binder pyridine-based novel Schiff base Cu(II), Ni(II) complexes with effective anticancer property: A combined experimental and theoretical approach. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6473.	1.7	10
3	Biophysical insights into the interaction of human serum albumin with <i>Cassia fistula</i> leaf extracts inspired biogenic potent antibacterial and anticancerous gold nanoparticles. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4567-4581.	2.0	6
4	One-pot crystallization of two 1,4-cyclohexanedicarboxylate-based tetranuclear Cu(II) compounds and their DNA binding affinities. <i>CrystEngComm</i> , 2021, 23, 1091-1098.	1.3	8
5	Evidence for Dual Site Binding of Nile Blue A toward DNA: Spectroscopic, Thermodynamic, and Molecular Modeling Studies. <i>ACS Omega</i> , 2021, 6, 2613-2625.	1.6	32
6	Green synthesis of silver nanoparticles having specific anticancer activity against MDA-MB 468 carcinoma cells. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021, 12, 025017.	0.7	3
7	Study on the antibacterial activity and interaction with human serum albumin of <i>Tagetes erecta</i> inspired biogenic silver nanoparticles. <i>Process Biochemistry</i> , 2020, 97, 191-200.	1.8	14
8	A dual role of cumin-seed extract towards the silver nanoparticle synthesis and stabilisation and its potential for antibacterial and anticancer activities through oxidative damage. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 025019.	0.7	5
9	Facile synthesis of antibiotic encapsulated biopolymeric okra mucilage nanoparticles: molecular docking, <i>in vitro</i> stability and functional evaluation. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 025020.	0.7	1
10	Synthesis and characterization of a hydrogen bonded metal-organic cocrystal: Exploration of its DNA binding study. <i>Polyhedron</i> , 2020, 180, 114454.	1.0	9
11	Deciphering the positional impact of chlorine in a new series of berberine analogues towards the superb-selective $\alpha$ -turn-on-hydrophobic signaling of bovine serum albumin at physiological pH. <i>New Journal of Chemistry</i> , 2020, 44, 1761-1771.	1.4	6
12	Synthesis, crystal structure and DNA binding of a new Ni(II) coordination compound based on 4-(1-naphthylvinyl)pyridine ligand. <i>Polyhedron</i> , 2020, 190, 114777.	1.0	2
13	Structures, Photoresponse Properties, and Biological Activity of Dicyano-Substituted 4-Aryl-2-pyridone Derivatives. <i>ACS Omega</i> , 2019, 4, 7200-7212.	1.6	16
14	Binding interaction study on human serum albumin with bactericidal gold nanoparticles synthesized from a leaf extract of <i>Musa balbisiana</i> : a multispectroscopic approach. <i>Luminescence</i> , 2019, 34, 563-575.	1.5	14
15	Berberine derivatives as heteroatom induced hydrophobic sensor: An analytical approach for the selective and sensitive fluorometric detection and discrimination of serum albumins. <i>Analytica Chimica Acta</i> , 2019, 1065, 124-133.	2.6	14
16	Structures, photoresponse properties and DNA binding abilities of 4-(4-pyridinyl)-2-pyridone salts. <i>RSC Advances</i> , 2019, 9, 9663-9677.	1.7	24
17	Elucidating the interaction of <i>Spathodea campanulata</i> leaf extracts mediated potential bactericidal gold nanoparticles with human serum albumin: spectroscopic analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3536-3549.	2.0	6
18	Elucidating the chemical and biochemical applications of <i>Citrus sinensis</i> -mediated silver nanocrystal. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4863-4874.	2.0	6

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19	Spectroscopic study on interaction of <i>Nymphaea nouchali</i> leaf extract mediated bactericidal gold nanoparticles with human serum albumin. <i>Journal of Molecular Structure</i> , 2019, 1179, 685-693.	1.8	15
20	Chirality-Induced Variation in Interaction of Two Similar Copper(II) Coordination Polymers with Calf Thymus DNA: Exploration of Their Antimicrobial Activity and Cytotoxicity. <i>ChemistrySelect</i> , 2018, 3, 7112-7122.	0.7	11
21	Molecular Docking an Important Tool for Drug Designing. <i>Modern Approaches in Drug Designing</i> , 2018, 1, .	0.2	1
22	Molecular binding of toxic phenothiazinium derivatives, azures to bovine serum albumin: A comparative spectroscopic, calorimetric, and in silico study. <i>Journal of Molecular Recognition</i> , 2017, 30, e2609.	1.1	18
23	A selective chemosensor for fluoride ion and its interaction with Calf Thymus DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 178, 24-31.	2.0	3
24	A green synthetic approach toward the synthesis of structurally diverse spirooxindole derivative libraries under catalyst-free conditions. <i>Molecular Diversity</i> , 2017, 21, 325-337.	2.1	24
25	Observation of $\pi$ -hole interactions in the solid state structures of three new copper(II) complexes with a tetradentate N4 donor Schiff base: Exploration of their cytotoxicity against MDA-MB 468 cells. <i>Polyhedron</i> , 2017, 123, 334-343.	1.0	41
26	Biochemical activity of a fluorescent dye rhodamine 6G: Molecular modeling, electrochemical, spectroscopic and thermodynamic studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 369-379.	1.7	17
27	Interaction of a synthesized pyrene based fluorescent probe with CT-DNA: spectroscopic, thermodynamic and molecular modeling studies. <i>RSC Advances</i> , 2016, 6, 93335-93342.	1.7	10
28	Thermodynamic Study of Rhodamine 123-Calf Thymus DNA Interaction: Determination of Calorimetric Enthalpy by Optical Melting Study. <i>Journal of Physical Chemistry B</i> , 2014, 118, 13151-13161.	1.2	33
29	Binding of DNA with Rhodamine B: Spectroscopic and molecular modeling studies. <i>Dyes and Pigments</i> , 2013, 99, 412-422.	2.0	110
30	Binding of 9-O-( $\beta$ -amino) alkyl ether analogues of the plant alkaloid berberine to poly(A): insights into self-structure induction. <i>MedChemComm</i> , 2011, 2, 631.	3.5	37
31	Enhanced DNA Binding of 9- $\beta$ -Amino Alkyl Ether Analogs from the Plant Alkaloid Berberine. <i>DNA and Cell Biology</i> , 2011, 30, 123-133.	0.9	45
32	DNA minor groove binding of small molecules: Experimental and computational evidence. <i>Journal of Chemical Sciences</i> , 2010, 122, 247-257.	0.7	44
33	Binding of the anticancer alkaloid sanguinarine to double stranded RNAs: Insights into the structural and energetics aspects. <i>Molecular BioSystems</i> , 2010, 6, 1265.	2.9	38
34	DNA Binding Ability and Hydrogen Peroxide Induced Nuclease Activity of a Novel Cu(II) Complex with Malonate as the Primary Ligand and Protonated 2-Amino-4-picoline as the Counterion. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5851-5861.	1.2	17
35	RNA-Binding Potential of Protoberberine Alkaloids: Spectroscopic and Calorimetric Studies on the Binding of Berberine, Palmatine, and Coralyne to Protonated RNA Structures. <i>DNA and Cell Biology</i> , 2009, 28, 637-650.	0.9	18
36	Small molecule-RNA interaction: Spectroscopic and calorimetric studies on the binding by the cytotoxic protoberberine alkaloid coralyne to single stranded polyribonucleotides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 829-839.	1.1	37

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37	Spectroscopic and Calorimetric Studies on the Binding of Alkaloids Berberine, Palmatine and Coralyne to Double Stranded RNA Polynucleotides. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1210-1224.	1.2	140
38	RNA targeting through binding of small molecules: Studies on t-RNA binding by the cytotoxic protoberberine alkaloid coralyne. <i>Molecular BioSystems</i> , 2009, 5, 244-254.	2.9	82
39	Binding of DNA-binding alkaloids berberine and palmatine to tRNA and comparison to ethidium: Spectroscopic and molecular modeling studies. <i>Journal of Molecular Structure</i> , 2008, 891, 498-507.	1.8	75
40	RNA targeting by small molecule alkaloids: Studies on the binding of berberine and palmatine to polyribonucleotides and comparison to ethidium. <i>Journal of Molecular Structure</i> , 2008, 875, 382-391.	1.8	44
41	RNA binding small molecules: Studies on t-RNA binding by cytotoxic plant alkaloids berberine, palmatine and the comparison to ethidium. <i>Biophysical Chemistry</i> , 2007, 125, 508-520.	1.5	130
42	The binding of DNA intercalating and non-intercalating compounds to A-form and protonated form of poly(rC) $\hat{A}$ -poly(rG): Spectroscopic and viscometric study. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 800-814.	1.4	124
43	Protonated structures of naturally occurring deoxyribonucleic acids and their interaction with berberine. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4851-4863.	1.4	45