

# Dr Motiur Rahman

## List of Publications by Year in descending order

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53  
papers

657  
citations

706676

14  
h-index

721071

23  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regio- and stereoselective synthesis of spiro-heterocycles bearing the pyrazole scaffold via [3+2] cycloaddition reaction. <i>Journal of Molecular Structure</i> , 2022, 1250, 131711.	1.8	11
2	Detection and characterization of simvastatin and its metabolites in rat tissues and biological fluids using MALDI high resolution mass spectrometry approach. <i>Scientific Reports</i> , 2022, 12, 4757.	1.6	3
3	Quinazolin-4(3 <i>H</i> )-one based potential multiple tyrosine kinase inhibitors with excellent cytotoxicity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 2055-2067.	2.5	7
4	Isatin-Hydrazones with Multiple Receptor Tyrosine Kinases (RTKs) Inhibitory Activity and In-Silico Binding Mechanism. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3746.	1.3	12
5	Synthesis and Photophysical Properties of Fluorescein Esters as Potential Organic Semiconductor Materials. <i>Journal of Fluorescence</i> , 2021, 31, 1489-1502.	1.3	2
6	N,N-Bis(Substituted benzyl)- $\beta$ -Carbolineum Bromides as Potential Anticancer Therapeutics: Design, Synthesis, Cytotoxicity, Drug-DNA Intercalation and In-Silico Binding Properties. <i>Journal of Molecular Structure</i> , 2021, 1243, 130771.	1.8	2
7	A Series of Isatin-Hydrazones with Cytotoxic Activity and CDK2 Kinase Inhibitory Activity: A Potential Type II ATP Competitive Inhibitor. <i>Molecules</i> , 2020, 25, 4400.	1.7	25
8	Galeon: A Biologically Active Molecule with In Silico Metabolite Prediction, In Vitro Metabolic Profiling in Rat Liver Microsomes, and In Silico Binding Mechanisms with CYP450 Isoforms. <i>Molecules</i> , 2020, 25, 5903.	1.7	1
9	Synthesis of Novel Potent Biologically Active N-Benzylisatin-Aryl Hydrazones in Comparison with Lung Cancer Drug â€“Gefitinibâ€™. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3669.	1.3	6
10	Synthesis, Anticancer Activity, and Molecular Modeling of New Halogenated Spiro[pyrrolidine-thiazolo-oxindoles] Derivatives. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2170.	1.3	24
11	Synthesis, Biological Evaluation and Molecular Docking Study of Cyclic Diarylheptanoids as Potential Anticancer Therapeutics. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 464-475.	0.9	7
12	Experimental and computational evaluation of kolliphor RH 40 as a new fluorescence enhancer in development of a micellar-based spectrofluorimetric method for determination of lapatinib in tablets and urine. <i>PLoS ONE</i> , 2020, 15, e0239918.	1.1	3
13	Synthesis of Pyridine-Dicarboxamide-Cyclohexanone Derivatives: Anticancer and $\beta$ -Glucosidase Inhibitory Activities and In Silico Study. <i>Molecules</i> , 2019, 24, 1332.	1.7	12
14	In-vitro metabolic profiling study of potential topoisomerase inhibitors â€“pyrazolinesâ€™ in RLMs by mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1114-1115, 125-133.	1.2	6
15	Simultaneous Determination of Cholecalciferol and 25-Hydroxycholecalciferol in Lipid-based Self-nanoemulsifying formulations and Marketed Product Vi-de 3 $\hat{A}$ ® by UHPLC-UV. <i>Current Pharmaceutical Analysis</i> , 2019, 16, 100-109.	0.3	0
16	Synthesis, biological evaluation and Structure Activity Relationships (SARs) study of 8-(substituted)aryloxycaffeine. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2356-2364.	2.3	8
17	Linear diarylheptanoids as potential anticancer therapeutics: synthesis, biological evaluation, and structureâ€“activity relationship studies. <i>Archives of Pharmacal Research</i> , 2018, 41, 1131-1148.	2.7	14
18	In vitro investigation of metabolic profiling of newly developed topoisomerase inhibitors (ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Technologies in the Biomedical and Life Sciences, 2017, 1054, 93-104.	1.2	7

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19	In vitro Investigation of Metabolic Profiling of a Potent Topoisomerase Inhibitors Fluorescein Hydrazones (FLHs) in RLMs by LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1054, 27-35.	1.2	4
20	Studies on the reactions of 3,2- $\epsilon^2$ -polymethylene-2-phenylbenzo[b]-1,10-phenanthrolines with Ru(tpy)Cl <sub>3</sub> and properties of the products. <i>Archives of Pharmacal Research</i> , 2017, 40, 563-570.	2.7	4
21	Fluorescein hydrazones: A series of novel non-intercalative topoisomerase III $\alpha$ catalytic inhibitors induce G1 arrest and apoptosis in breast and colon cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 49-67.	2.6	30
22	Solvent free Cannizzaro reaction applying grindstone technique. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1373-S1377.	2.3	5
23	A concise synthesis and evaluation of new malonamide derivatives as potential I $\alpha$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1675-1682.	1.4	18
24	Design, synthesis, topoisomerase I & II inhibitory activity, antiproliferative activity, and structure-activity relationship study of pyrazoline derivatives: An ATP-competitive human topoisomerase III $\alpha$ catalytic inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1898-1908.	1.4	31
25	Spatial localisation of curcumin and rapid screening of the chemical compositions of turmeric rhizomes ( <i>Curcuma longa</i> Linn.) using Direct Analysis in Real Time-Mass Spectrometry (DART-MS). <i>Food Chemistry</i> , 2015, 173, 489-494.	4.2	24
26	Synthesis and Fragmentation Behavior Study of n-alkyl/benzyl Isatin Derivatives Present in Small/Complex Molecules: Precursor for the Preparation of Biological Active Heterocycles. <i>Mass Spectrometry Letters</i> , 2015, 6, 65-70.	0.5	2
27	Fluorescein Hydrazones as Novel Nonintercalative Topoisomerase Catalytic Inhibitors with Low DNA Toxicity. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9139-9151.	2.9	38
28	Dasatinib. Profiles of Drug Substances, Excipients and Related Methodology, 2014, 39, 205-237.	3.5	23
29	Gefitinib. Profiles of Drug Substances, Excipients and Related Methodology, 2014, 39, 239-264.	3.5	42
30	Vardenafil Dihydrochloride. Profiles of Drug Substances, Excipients and Related Methodology, 2014, 39, 515-544.	3.5	10
31	Design, synthesis, in vitro cytotoxicity evaluation and structure-activity relationship of Goniothalamine analogs. <i>Archives of Pharmacal Research</i> , 2013, 36, 812-831.	2.7	8
32	A Preliminary Study of Arecoline and Guvacoline Presence in the Saliva of a $\beta$ -Betel-Quid-Chewer Using Liquid-Chromatography Ion Trap Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2013, 19, 391-397.	0.5	7
33	Racemization Energy of 3,2'-Tetramethylene-2-phenyl-6-(pyrid-2''-yl)pyridine Estimated by Temperature Variation <sup>1</sup> H NMR Experiment. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 677-679.	1.0	1
34	Fragmentation Behavior Studies of Chalcones Employing Direct Analysis in Real Time (DART). <i>Mass Spectrometry Letters</i> , 2013, 4, 30-33.	0.5	8
35	Synthesis and antimicrobial activity of novel tetrabromo-I $\alpha$ ,I $\beta$ -bis(substituted-benzyl)cycloalkanones. <i>Journal of the Serbian Chemical Society</i> , 2012, 77, 717-723.	0.4	3
36	Sunitinib Malate. Profiles of Drug Substances, Excipients and Related Methodology, 2012, 37, 363-388.	3.5	18

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37	A Facile Solvent Free Claisen-Schmidt Reaction: Synthesis of $\hat{1}\pm, \hat{1}\pm\hat{2}$ -bis-(Substituted-benzylidene)cycloalkanones and $\hat{1}\pm, \hat{1}\pm\hat{2}$ -bis-(Substituted-alkylidene)cycloalkanones. <i>Molecules</i> , 2012, 17, 571-583.	1.7	68
38	Synthesis and Properties of 2,2 $\hat{2}$ -Di(heteroaryl)-9,9 $\hat{2}$ -spirobifluorenes. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 672-677.	2.0	10
39	Synthesis and properties of ruthenium(II) complexes of 3,3 $\hat{2}$ -polymethylene-2-(pyrid-2 $\hat{2}$ -yl)benzo[b]-1,10-phenanthrolines. <i>Journal of Coordination Chemistry</i> , 2010, 63, 1774-1784.	0.8	2
40	Acetate-Promoted Aldol-Type Reaction: Scope and Reactivity of Acetates and Aldehydes. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 797-802.	1.0	11
41	2,2-dimethyl-2H-pyran-derived alkaloids I. Practical synthesis of acronycine and benzo[b]acronycine and their biological properties. <i>Archives of Pharmacal Research</i> , 2008, 31, 1087-1093.	2.7	9
42	Synthesis and Properties of 3,3 $\hat{2}$ -Polymethylene-2,2 $\hat{2}$ -bibenzo[b]-1,10-phenanthrolines. <i>Heterocycles</i> , 2008, 75, 871.	0.4	7
43	Benzo[b]-1,10-phenanthrolines. V. Synthesis and Properties of 3,3 $\hat{2}$ -Polymethylene-2-(pyrid-2 $\hat{2}$ -yl)benzo[b]-1,10-phenanthrolines. <i>Heterocycles</i> , 2008, 75, 2507.	0.4	7
44	Synthesis and Biological Properties of Luotonin A Derivatives. <i>Bulletin of the Korean Chemical Society</i> , 2008, 29, 1988-1992.	1.0	19
45	Preparation of Geminal Diacylates (Acylals) of Aldehydes $\hat{2}$ Scope and Reactivity of Aldehydes with Acid Anhydrides. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 379-383.	1.2	6
46	Synthesis and properties of benzo[ <i>b</i> ]-1,10 $\hat{2}$ -phenanthrolines and their ruthenium(II) complexes. <i>Heteroatom Chemistry</i> , 2007, 18, 650-656.	0.4	13
47	A facile synthesis of $\hat{1}\pm, \hat{1}\pm\hat{2}$ -bis(substituted-benzylidene)-cycloalkanones and substituted-benzylidene heteroaromatics: utility of NaOAc as a catalyst for aldol-type reaction. <i>Tetrahedron</i> , 2007, 63, 2426-2431.	1.0	31
48	Synthesis and Properties of 3,2 $\hat{2}$ -Polymethylene-2-phenylbenzo[b]-1,10-phenanthrolines. <i>Heterocycles</i> , 2007, 71, 2003.	0.4	9
49	A Facile Synthesis of Mollugin. <i>Bulletin of the Korean Chemical Society</i> , 2007, 28, 1863-1866.	1.0	12
50	Simple Synthesis of Geminal Diacetates (Acylals) of Aromatic Aldehydes. <i>Synthetic Communications</i> , 2006, 36, 1213-1220.	1.1	6
51	FriedlÄnder Reactions of Triacetylmethane $\hat{2}$ Unusual Distribution of Products $\hat{2}$ . <i>Heterocycles</i> , 2005, 65, 2777.	0.4	15
52	Regiospecific Synthesis of Carboxylated and Simple $\hat{1}\pm$ -Tetralones with Homophthalates and Various Acrylates by a Simple Condensation Method. <i>Journal of Chemical Research</i> , 2003, 2003, 594-596.	0.6	4
53	<i>In Vitro</i> Identification of Potential Metabolites of Plinabulin (NPI 2358) in Hepatic Preparations Using Liquid Chromatography $\hat{2}$ Ion Trap Mass Spectrometry. <i>ACS Omega</i> , 0, , .	1.6	1