

Shamsuzzaman

List of Publications by Year in descending order

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48
papers

2,022
citations

394286

19
h-index

243529

44
g-index

48
all docs

48
docs citations

48
times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	Review: biologically active pyrazole derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 16-41.	1.4	549
2	Bioactive Benzofuran derivatives: A review. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 483-504.	2.6	407
3	Biological synthesis of ZnO nanoparticles using <i>C. albicans</i> and studying their catalytic performance in the synthesis of steroidal pyrazolines. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1530-S1536.	2.3	141
4	Microwave-assisted MgO NP catalyzed one-pot multicomponent synthesis of polysubstituted steroidal pyridines. <i>New Journal of Chemistry</i> , 2018, 42, 184-197.	1.4	136
5	Molecular spectroscopic and thermodynamic studies on the interaction of anti-platelet drug ticlopidine with calf thymus DNA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 186, 66-75.	2.0	76
6	Neurodegenerative diseases linked to misfolded proteins and their therapeutic approaches: A review. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 1121-1141.	2.6	58
7	Unravelling the interaction of pirenzepine, a gastrointestinal disorder drug, with calf thymus DNA: An <i>in vitro</i> and molecular modelling study. <i>Archives of Biochemistry and Biophysics</i> , 2017, 625-626, 1-12.	1.4	55
8	DFT/B3LYP calculations, <i>in vitro</i> cytotoxicity and antioxidant activities of steroidal pyrimidines and their interaction with HSA using molecular docking and multispectroscopic techniques. <i>Bioorganic Chemistry</i> , 2017, 73, 83-99.	2.0	50
9	Synthesis and anti-tumor evaluation of B-ring substituted steroidal pyrazoline derivatives. <i>Steroids</i> , 2013, 78, 1263-1272.	0.8	35
10	Facile one-pot multicomponent synthesis and molecular docking studies of steroidal oxazole/thiazole derivatives with effective antimicrobial, antibiofilm and hemolytic properties. <i>Steroids</i> , 2018, 134, 22-36.	0.8	35
11	Microwave-assisted one pot synthesis, characterization, biological evaluation and molecular docking studies of steroidal thiazoles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 166, 104-115.	1.7	32
12	Synthesis, characterization, antimicrobial and anticancer studies of new steroidal pyrazolines. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 7-12.	2.4	28
13	Synthesis, antibacterial and antifungal activities of 6,5 fused steroidal oxazoles in cholestane series. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 1094-1097.	2.6	26
14	Silica-supported NiO nanocomposites prepared via a sol-gel technique and their excellent catalytic performance for one-pot multicomponent synthesis of benzodiazepine derivatives under microwave irradiation. <i>New Journal of Chemistry</i> , 2017, 41, 5893-5903.	1.4	26
15	Structural elucidation, density functional calculations and contribution of intermolecular interactions in cholest-4-en-3-one crystals: Insights from X-ray and Hirshfeld surface analysis. <i>Journal of Molecular Structure</i> , 2015, 1084, 274-283.	1.8	23
16	Synthesis, crystal structure, Hirshfeld surfaces, and thermal, mechanical and dielectrical properties of cholest-5-ene. <i>Journal of Taibah University for Science</i> , 2017, 11, 141-150.	1.1	23
17	Synthesis and characterization of steroidal heterocyclic compounds, DNA condensation and molecular docking studies and their <i>in vitro</i> anticancer and acetylcholinesterase inhibition activities. <i>RSC Advances</i> , 2015, 5, 75964-75984.	1.7	22
18	Construction of novel steroidal isoxazolidinone derivatives under Vilsmeier-Haack conditions. <i>Tetrahedron Letters</i> , 2013, 54, 874-877.	0.7	21

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19	Synthesis of new steroidal imidazo [1,2-a] pyridines: DNA binding studies, cleavage activity and in vitro cytotoxicity. <i>Steroids</i> , 2015, 104, 163-175.	0.8	21
20	Aloe emodin, an anthroquinone from Aloe vera acts as an anti aggregatory agent to the thermally aggregated hemoglobin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 188-193.	2.0	21
21	Synthesis of Steroidal Spiro-1 β ,2 α ,4 β -triazolidine-3 α -thiones. <i>Synthetic Communications</i> , 1997, 27, 2171-2175.		20
22	Synthesis and biological studies of steroidal pyran based derivatives. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 129, 36-47.	1.7	18
23	Steroidal pyrimidines: Synthesis, characterization, molecular docking studies with DNA and in vitro cytotoxicity. <i>Journal of Molecular Structure</i> , 2013, 1045, 62-71.	1.8	18
24	Synthesis, evaluation and docking studies on steroidal pyrazolones as anticancer and antimicrobial agents. <i>Medicinal Chemistry Research</i> , 2014, 23, 348-362.	1.1	18
25	Green synthesis and biological evaluation of steroidal 2H-pyrans as anticancer and antioxidant agents. <i>Journal of King Saud University - Science</i> , 2015, 27, 1-6.	1.6	15
26	Synthesis, characterization, biological evaluation and molecular docking of steroidal spirothiazolidinones. <i>Journal of Molecular Structure</i> , 2015, 1085, 104-114.	1.8	14
27	Spectroscopic, Viscositic, DNA Binding and Cytotoxic Studies of Newly Synthesized Steroidal Imidazolidines. <i>Journal of Fluorescence</i> , 2016, 26, 639-649.	1.3	14
28	DNA binding, artificial nuclease activity and cytotoxic studies of newly synthesized steroidal pyrimidines. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 52-61.	3.6	14
29	In vitro cytotoxicity and interaction of new steroidal oxadiazinanones with calf thymus DNA using molecular docking, gel electrophoresis and spectroscopic techniques. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 148, 340-350.	1.7	13
30	A convenient method for the synthesis of 3 β -hydroxy 4-en-6-one steroids. <i>Journal of Organic Chemistry</i> , 1991, 56, 1936-1937.	1.7	9
31	Synthesis of 1,3-oxathiolane-2-thiones by the reaction of steroidal oxiranes with carbon disulfide. <i>Tetrahedron Letters</i> , 1997, 38, 5705-5708.	0.7	9
32	Synthesis of 1 β ,3 α -Dioxolan-2 α -one by the Reaction of Steroidal Oxiranes with Carbon Dioxide: Synthesis of Five-Membered <i>Cis</i> -Cyclic Carbonates. <i>Synthetic Communications</i> , 2010, 40, 2278-2283.	1.1	9
33	Steroidal thiazolidinone derivatives: Design, synthesis and their molecular interaction with human serum albumin. <i>Steroids</i> , 2019, 148, 99-113.	0.8	9
34	Anticancer and antimicrobial evaluation of newly synthesized steroidal 5,6 fused benzothiazines. <i>Arabian Journal of Chemistry</i> , 2014, 7, 461-468.	2.3	8
35	DNA binding, docking studies, artificial nuclease activity and in vitro cytotoxicity of newly synthesized steroidal 1H β -pyrimidines. <i>Comptes Rendus Chimie</i> , 2014, 17, 359-369.	0.2	8
36	DNA Interaction Studies and In Vitro Cytotoxicity of Newly Synthesized Steroidal Imidazolidinones. <i>Journal of Fluorescence</i> , 2015, 25, 1377-1387.	1.3	7

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37	SYNTHESIS, CHARACTERIZATION AND ANTI-MICROBIAL ACTIVITY OF NEW STEROIDAL CHOLEST-5-EN-7-ONE DERIVATIVES FUSED WITH SUBSTITUTED PYRAZOLINE RING. <i>Journal of the Chilean Chemical Society</i> , 2009, 54, .	0.5	6
38	Steroidal dihydrocarbothioic acid amido pyrazoles: synthesis, characterization, cytotoxicity and genotoxicity studies. <i>Journal of Chemical Biology</i> , 2015, 8, 107-118.	2.2	6
39	3 β -Acetoxy-6-nitrocholest-5-ene: Crystal structure, thermal, optical and dielectrical behavior. <i>Journal of Molecular Structure</i> , 2014, 1063, 219-225.	1.8	5
40	Synthesis, growth, spectral, thermal and crystallographic studies of 5 β ,6 β -epoxycholestane single crystals. <i>Journal of Crystal Growth</i> , 2013, 384, 135-143.	0.7	4
41	Synthesis of 5 β -Iodo-6-one Steroids. <i>Synthetic Communications</i> , 1997, 27, 3997-4002.	1.1	3
42	Synthesis of steroidal dimers: Selective amine catalysed steroidal dimerization. <i>Journal of Chemical Sciences</i> , 2011, 123, 491-495.	0.7	3
43	Synthesis of steroidal imidazolidinethiones as potential apoptotic agents: Investigation by theoretical and experimental studies. <i>Bioorganic Chemistry</i> , 2018, 79, 190-200.	2.0	2
44	Synthesis of Steroidal Thloethers. <i>Synthetic Communications</i> , 1981, 11, 751-756.	1.1	1
45	Studies Toward the Thermally Induced One-Step Intermolecular Synthesis of Azacyclic Steroidal Ketones. <i>Synthetic Communications</i> , 2009, 39, 2161-2168.	1.1	1
46	Structural, optical and antimicrobial studies of 3 β -acetoxycholest-5-ene, 3 β -acetoxy-6-nitrocholest-5-ene and newly synthesized steroidal pyrazolones. <i>Journal of Taibah University for Science</i> , 2014, 8, 39-53.	1.1	1
47	Cytotoxic Evaluation and DNA Binding Ability of Catalytically Synthesized New Steroidal Lactones. <i>Natural Products Chemistry & Research</i> , 2017, 05, .	0.2	1
48	Combined theoretical and experimental studies reveal the newly synthesized pyrimidinones as potential apoptotic agents. <i>Computational Toxicology</i> , 2021, 17, 100145.	1.8	1