

Abdullah AL-Majid

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of new thiazolo-pyrrolidine (spirooxindole) tethered to 3-acylindole as anticancer agents. <i>Bioorganic Chemistry</i> , 2019, 82, 423-430.	4.1	66
2	Design and synthesis of new substituted spirooxindoles as potential inhibitors of the MDM2-p53 interaction. <i>Bioorganic Chemistry</i> , 2019, 86, 598-608.	4.1	52
3	Zwitterionic pyrimidinium adducts as antioxidants with therapeutic potential as nitric oxide scavenger. <i>European Journal of Medicinal Chemistry</i> , 2014, 84, 146-154.	5.5	44
4	Catalytic asymmetric synthesis of indole derivatives as novel α -glucosidase inhibitors in vitro. <i>Bioorganic Chemistry</i> , 2018, 79, 350-354.	4.1	44
5	Synthesis, in vitro biological activities and in silico study of dihydropyrimidines derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6740-6748.	3.0	42
6	Synthesis of pyrimidine-2,4,6-trione derivatives: Anti-oxidant, anti-cancer, α -glucosidase, β -glucuronidase inhibition and their molecular docking studies. <i>Bioorganic Chemistry</i> , 2016, 68, 72-79.	4.1	42
7	Synthesis, NMR, FT-IR, X-ray structural characterization, DFT analysis and isomerism aspects of 5-(2,6-dichlorobenzylidene)pyrimidine-2,4,6(1H,3H,5H)-trione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 147, 107-116.	3.9	25
8	Synthesis of thiobarbituric acid derivatives: In vitro α -glucosidase inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , 2017, 75, 99-105.	4.1	25
9	Synthesis, Anticancer Activity, and Molecular Modeling of New Halogenated Spiro[pyrrolidine-thiazolo-oxindoles] Derivatives. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2170.	2.5	24
10	Synthesis and dynamics studies of barbituric acid derivatives as urease inhibitors. <i>Chemistry Central Journal</i> , 2015, 9, 63.	2.6	23
11	Synthesis of Pyrazole-Thiobarbituric Acid Derivatives: Antimicrobial Activity and Docking Studies. <i>Molecules</i> , 2016, 21, 1337.	3.8	23
12	Spiroindolone Analogues as Potential Hypoglycemic with Dual Inhibitory Activity on α -Amylase and α -Glucosidase. <i>Molecules</i> , 2019, 24, 2342.	3.8	23
13	Palladate Precatalysts for the Formation of C-N and C-C Bonds. <i>Organometallics</i> , 2019, 38, 2812-2817.	2.3	23
14	Triazine pincer ligands: Synthesis of their metal complexes, coordination behavior, and applications. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6317.	3.5	23
15	Regio- and Stereoselective Synthesis of a New Series of Spirooxindole Pyrrolidine Grafted Thiochromene Scaffolds as Potential Anticancer Agents. <i>Symmetry</i> , 2021, 13, 1426.	2.2	23
16	Spiroindolone analogues bearing benzofuran moiety as a selective cyclooxygenase COX-1 with TNF- α and IL-6 inhibitors. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1208-1216.	3.8	21
17	Construction of Spirooxindole Analogues Engrafted with Indole and Pyrazole Scaffolds as Acetylcholinesterase Inhibitors. <i>ACS Omega</i> , 2021, 6, 31539-31556.	3.5	18
18	Synthesis and characterisation of thiobarbituric acid enamine derivatives, and evaluation of their α -glucosidase inhibitory and anti-glycation activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 692-701.	5.2	17

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19	Synthesis, X-Ray Crystal Structures, and Preliminary Antiproliferative Activities of New s-Triazine-hydroxybenzylidene Hydrazone Derivatives. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	1.9	16
20	Synthesis of a New Class of Spirooxindole- <i>Benzo</i> [b]Thiophene-Based Molecules as Acetylcholinesterase Inhibitors. <i>Molecules</i> , 2020, 25, 4671.	3.8	16
21	Structural and spectral investigations of the recently synthesized chalcone (E)-3-mesityl-1-(naphthalen-2-yl) prop-2-en-1-one, a potential chemotherapeutic agent. <i>Chemistry Central Journal</i> , 2015, 9, 35.	2.6	13
22	Synthesis and Inhibitory Effect of Some Indole-Pyrimidine Based Hybrid Heterocycles on α -Glucosidase and α -Amylase as Potential Hypoglycemic Agents. <i>ChemistryOpen</i> , 2019, 8, 1288-1297.	1.9	13
23	Stereoselective Synthesis of the Di-Spirooxindole Analogs Based Oxindole and Cyclohexanone Moieties as Potential Anticancer Agents. <i>Molecules</i> , 2021, 26, 6305.	3.8	13
24	New Diethyl Ammonium Salt of Thiobarbituric Acid Derivative: Synthesis, Molecular Structure Investigations and Docking Studies. <i>Molecules</i> , 2015, 20, 20642-20658.	3.8	12
25	3D-QSAR Studies on Barbituric Acid Derivatives as Urease Inhibitors and the Effect of Charges on the Quality of a Model. <i>International Journal of Molecular Sciences</i> , 2016, 17, 657.	4.1	12
26	Quantum chemical insight into the molecular structure of L-chemosensor 1,3-dimethyl-5-(thien-2-ylmethylene)-pyrimidine-2,4,6-(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i>)-trione: Naked-eye colorimetric detection of copper(II) anions. <i>Journal of Theoretical and Computational Chemistry</i> , 2018, 17, 1850005.	1.8	12
27	Anticancer Indole-Based Chalcones: A Structural and Theoretical Analysis. <i>Molecules</i> , 2019, 24, 3728.	3.8	12
28	Synthesis of Pyridine-Dicarboxamide-Cyclohexanone Derivatives: Anticancer and α -Glucosidase Inhibitory Activities and In Silico Study. <i>Molecules</i> , 2019, 24, 1332.	3.8	12
29	Design, Construction, and Characterization of a New Regioisomer and Diastereomer Material Based on the Spirooxindole Scaffold Incorporating a Sulphone Function. <i>Symmetry</i> , 2020, 12, 1337.	2.2	12
30	Straightforward Regio- and Diastereoselective Synthesis, Molecular Structure, Intermolecular Interactions and Mechanistic Study of Spirooxindole-Engrafted Rhodanine Analogs. <i>Molecules</i> , 2021, 26, 7276.	3.8	12
31	Mizoroki-Heck Cross-Coupling of Acrylate Derivatives with Aryl Halides Catalyzed by Palladate Pre-Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4695-4699.	2.0	11
32	Synthesis, Molecular Structure and Spectroscopic Investigations of Novel Fluorinated Spiro Heterocycles. <i>Molecules</i> , 2015, 20, 8223-8241.	3.8	8
33	Synthesis, X-Ray Crystal Structures, Biological Evaluation, and Molecular Docking Studies of a Series of Barbiturate Derivatives. <i>Journal of Chemistry</i> , 2016, 2016, 1-11.	1.9	8
34	Three Multi-Components Reaction: Synthesis and X-Ray Single-Crystal of Hydroacridinone-Based Hydrazino-S-Triazine Derivative as a New Class of Urease Inhibitor. <i>Crystals</i> , 2020, 10, 14.	2.2	7
35	Enamine Barbiturates and Thiobarbiturates as a New Class of Bacterial Urease Inhibitors. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3523.	2.5	5
36	Bimetallic Iron-Palladium Catalyst System as a Lewis-Acid for the Synthesis of Novel Pharmacophores Based Indole Scaffold as Anticancer Agents. <i>Molecules</i> , 2021, 26, 2212.	3.8	5

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37	X-ray Single Crystal Structure, Tautomerism Aspect, DFT, NBO, and Hirshfeld Surface Analysis of a New Schiff Bases Based on 4-Amino-5-Indol-2-yl-1,2,4-Triazole-3-Thione Hybrid. <i>Crystals</i> , 2021, 11, 1041.	2.2	5
38	Exploiting the Chiral Ligands of Bis(imidazolyl)- and Bis(oxazolyl)thiophenesâ€”Synthesis and Application in Cu-Catalyzed Friedelâ€”Crafts Asymmetric Alkylation. <i>Molecules</i> , 2021, 26, 7408.	3.8	5
39	Synthesis, Spectroscopic Investigations (X-ray, NMR and TD-DFT), Antimicrobial Activity and Molecular Docking of 2,6-Bis(hydroxy(phenyl)methyl)cyclohexanone. <i>Molecules</i> , 2015, 20, 13240-13263.	3.8	4
40	Molecular structure investigation and tautomerism aspects of (E)-3-benzylideneindolin-2-one. <i>Journal of Chemical Sciences</i> , 2015, 127, 1547-1556.	1.5	4
41	5-[(3-Fluorophenyl)(2-hydroxy-6-oxocyclohex-1-en-1-yl)methyl]-6-hydroxy-1,3-dimethylpyrimidine-2,4(1H,3H)-dione. <i>MolBank</i> , 2016, 2016, M910.	0.5	3
42	New hybrid of the barbituric acid motif: synthesis, X-ray single crystal, DFT, and Hirshfeld surface analyses. <i>Research on Chemical Intermediates</i> , 2018, 44, 4213-4225.	2.7	3
43	Synthesis of N-(Anthracen-9-ylmethyl)-N-methyl-2-(phenylsulfonyl)ethanamine via Microwave Green Synthesis Method: X-ray Characterization, DFT and Hirshfeld Analysis. <i>Crystals</i> , 2020, 10, 643.	2.2	3
44	X-ray Crystal Structure and Hirshfeld Analysis of Gem-Aminals-Based Morpholine, Pyrrolidine, and Piperidine Moieties. <i>Symmetry</i> , 2021, 13, 20.	2.2	3
45	Synthesis and anti-Cancer Activity of a New Hybrid Based Spirooxindole-Pyrrolidine -Thiochromene Scaffolds <i>via</i> [3â€”2] Cycloaddition Reaction: Computational Investigation. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 2302-2320.	2.6	3
46	Crystal structure of (Z)-5-(3-methylbenzylidene)-2-thioxothiazolidin-4-one, C ₁₃ H ₁₅ NO ₂ S ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2015, 230, 257-258.	0.3	2
47	Crystal Structure of 7,11-bis(2,4-dichlorophenyl)-2,4-dimethyl-2,4-diazaspiro[5.5]undecane -1,3,5,9-tetraone and its computational studies. <i>Journal of Chemical Sciences</i> , 2015, 127, 2039-2050.	1.5	2
48	Molecular Structure, Spectroscopic and DFT Computational Studies of Arylidene-1,3-dimethylpyrimidine-2,4,6(1H,3H,5H)-trione. <i>Crystals</i> , 2016, 6, 110.	2.2	2
49	Crystal structure of (<i>Z</i>)-5-(4-chlorobenzylidene)-2-thioxothiazolidin-4-one â€”dimethylsulfoxide (1:1), C ₁₂ H ₁₂ ClNO ₂ S ₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016, 231, 319-320.	0.3	2
50	Crystal structure of 2-(4-oxo-2-thioxothiazolidin-3-yl)acetic acid monohydrate, C ₅ H ₇ NO ₄ S ₂ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2017, 232, 141-142.	0.3	2
51	Synthesis of Enaminones-Based Benzo[d]imidazole Scaffold: Characterization and Molecular Insight Structure. <i>Crystals</i> , 2020, 10, 955.	2.2	2
52	Crystal Structure and Theoretical Investigation of Thiobarbituric Acid Derivatives as Nonlinear Optical (NLO) Materials. <i>Crystals</i> , 2020, 10, 442.	2.2	2
53	Synthesis of C ₂ -Symmetrical Bis-(¹ Enamino-Pyran-2,4-dione) Derivative Linked via 1,6-Hexylene Spacer: X-ray Crystal Structures, Hishfeld Studies and DFT Calculations of Mono- and Bis-(Pyran-2,4-diones) Derivatives. <i>Symmetry</i> , 2021, 13, 1646.	2.2	2
54	Vibrational spectral analysis, XRD-structure, computation, exoâ€”endo isomerization and non-linear optical crystal of 5-((5-chloro-1H-indol-2-yl)methylene)-1,3-diethyl-2-thioxodihy-dropyrimidine-4,6(1H,5H)-dione. <i>BMC Chemistry</i> , 2019, 13, 11.	3.8	2

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55	Crystal structure of 5-(3-fluorobenzylidene)-1,3-dimethylpyrimidine-2,4,6(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i>)-trione; C ₁₃ H ₁₁ N ₂ O ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 1059-1061.	0.3	1
56	Crystal structure of diethylammonium 5-((4-fluorophenyl)(6-hydroxy-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-5-yl)methyl)-1,3-dimethyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-5-ide; C ₂₃ H ₃₀ N ₅ O ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 507-509.	0.3	0
57	Crystal structure of diethylammonium 1,3-dimethyl-2,4,6-trioxohexahydropyrimidin-5-ide; C ₁₀ H ₁₉ N ₃ O ₃ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 1063-1064.	0.3	1
58	One-Pot Synthesis, X-ray Single Crystal and Molecular Insight of Enaminone-Based β -Morpholino-/N-Methylpiperazinyl-/Pyrrolidinylpropiophenone. Crystals, 2020, 10, 282.	2.2	1
59	Synthesis and X-ray Crystal Structure of New Substituted 3,4-Bipyrazole Derivatives. Hirshfeld Analysis, DFT and NBO Studies. Crystals, 2021, 11, 953.	2.2	1
60	Straightforward One-Pot Synthesis of New 4-Phenyl-1,2,5,6-tetraazafluoranthren-3(2H)-one Derivatives: X-ray Single Crystal Structure and Hirshfeld Analyses. Crystals, 2022, 12, 262.	2.2	1
61	Mechanistic Evaluation of the Stability of Arylvinyl-1,2,4-trioxanes under Acidic Conditions for Their Oral Administration as an Antimalarial Drug. ACS Omega, 2022, 7, 17984-17994.	3.5	1
62	Crystal structure of 5,5-bis((4-(trifluoromethyl)phenyl)methylene)bis(1,3-dimethylpyrimidine-2,4,6(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i>)-trione) diethylamine dichloromethane (1/1/1) C ₂₅ H ₃₂ Cl ₂ F ₃ N ₅ O ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 321-323.	0.3	0
63	Crystal structure of 5-((4-bromophenyl)(2-hydroxy-6-oxocyclohex-1-en-1-yl)methyl)-6-hydroxy-1,3-dimethylpyrimidine-2,4(1 <i>H</i> ,3 <i>H</i>)-dione; C ₁₉ H ₁₉ BrN ₂ O ₅ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 843-845.	0.3	0
64	Crystal structure of 6-hydroxy-5-((2-hydroxy-6-oxocyclohex-1-en-1-yl)(phenyl)methyl)-1,3-dimethylpyrimidine-2,4(1 <i>H</i> ,3 <i>H</i>)-dione; C ₁₉ H ₂₀ N ₂ O ₅ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 849-851.	0.3	0
65	Crystal structure of 6-hydroxy-5-((2-hydroxy-6-oxocyclohex-1-en-1-yl)(4-methoxyphenyl)methyl)-1,3-dimethylpyrimidine-2,4(1 <i>H</i> ,3 <i>H</i>)-dione; C ₂₀ H ₂₂ N ₂ O ₆ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 747-749.	0.3	0
66	Crystal structure of 5,5-bis((3-hydroxy-4-methoxyphenyl)methylene)bis(1,3-diethyl-6-hydroxy-2-thioxo-2,3-dihydropyrimidin-4(1 <i>H</i>)-one); C ₂₄ H ₃₀ N ₄ O ₆ S ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 919-921.	0.3	0