

# Ahmed I Khodair

## List of Publications by Year in descending order

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57  
papers

1,286  
citations

361413

20  
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377865

34  
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64  
all docs

64  
docs citations

64  
times ranked

994  
citing authors

#	ARTICLE	IF	CITATIONS
1	S-Glucosylated hydantoins as new antiviral agents. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 73-77.	6.4	120
2	Removal of heavy metals by covalent organic frameworks (COFs): A review on its mechanism and adsorption properties. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105687.	6.7	114
3	5-Substituted-2-thiohydantoin analogs as a novel class of antitumor agents. <i>Anti-Cancer Drugs</i> , 1996, 7, 873-880.	1.4	95
4	A new approach to the synthesis of substituted 4-imidazolidinones as potential antiviral and antitumor agents. <i>Tetrahedron</i> , 1998, 54, 4859-4872.	1.9	86
5	A convenient synthesis of 2-arylidene-5-thiazolo[2,3-b]quinazolin-3,5-diones and their benzoquinazoline derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2002, 39, 1153-1160.	2.6	57
6	Synthesis, molecular modeling and anti-cancer evaluation of a series of quinazoline derivatives. <i>Carbohydrate Research</i> , 2019, 486, 107832.	2.3	47
7	Isolation, structural elucidation of flavonoid constituents from <i>Leptadenia pyrotechnica</i> and evaluation of their toxicity and antitumor activity. <i>Pharmaceutical Biology</i> , 2009, 47, 539-552.	2.9	42
8	Glycosylation of 2-thiohydantoin derivatives. Synthesis of some novel S-alkylated and S-glucosylated hydantoins. <i>Carbohydrate Research</i> , 2001, 331, 445-453.	2.3	39
9	Hydantoin analogs of thymidine. <i>Journal of Organic Chemistry</i> , 1993, 58, 5994-5999.	3.2	36
10	O-Glycosyl Amino Acids by 2-Nitrogalactal Concatenation - Synthesis of a Mucin-Type O-Glycan. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1009-1021.	2.4	34
11	Synthesis and evaluation of antiviral activity of 2'-deoxyuridines with 5-methylene-2-thiohydantoin substituents in the 5-position. <i>Monatshefte für Chemie</i> , 1994, 125, 593-598.	1.8	31
12	SYNTHESIS, CONFORMATIONAL ANALYSIS AND ANTITUMOR TESTING OF 5-(Z)-ARYLIDENE-4-IMIDAZOLIDINONE DERIVATIVES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1998, 140, 159-181.	1.6	27
13	Conjugate Addition of Phenols to 2-Nitrogalactal - Synthesis of O-(2-Acetamido-2-deoxygalactosyl)tyrosine. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1847-1852.	2.4	26
14	New N-ribosides and N-mannosides of rhodanine derivatives with anticancer activity on leukemia cell line: Design, synthesis, DFT and molecular modelling studies. <i>Carbohydrate Research</i> , 2020, 487, 107894.	2.3	26
15	Glycosylation of 2-Thiouracil Derivatives. A Synthetic Approach to 3-Glycosyl-2, 4-dioxypyrimidines. <i>Nucleosides &amp; Nucleotides</i> , 1997, 16, 433-444.	0.5	22
16	Discussion. <i>Carbohydrate Research</i> , 1998, 306, 567-573.	2.3	22
17	SYNTHESIS OF 2-THIOHYDANTOINS AND THEIR S-GLUCOSYLATED DERIVATIVES AS POTENTIAL ANTIVIRAL AND ANTITUMOR AGENTS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 1735-1750.	1.1	22
18	Synthesis of 3-Substituted 5-Arylidene-1-methyl-2-thiohydantoins under Microwave Irradiation. <i>Heterocycles</i> , 2002, 57, 1017.	0.7	22

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19	Synthesis, antiviral, DFT and molecular docking studies of some novel 1,2,4-triazine nucleosides as potential bioactive compounds. Carbohydrate Research, 2021, 500, 108246.	2.3	22
20	Synthesis and Antiviral Evaluation of Hydantoin Analogues of AZT. Archiv Der Pharmazie, 1994, 327, 653-655.	4.1	21
21	SULFUR GLYCOSYLATION REACTIONS INVOLVING 3-ALLYL-2-THIOHYDANTOIN NUCLEOSIDE BASES AS POTENTIAL ANTIVIRAL AND ANTITUMOR AGENTS. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 142, 167-190.	1.6	20
22	SYNTHESIS, REACTIONS AND CONFORMATIONAL ANALYSIS OF 5-ARYLIDENE-2-THIOHYDANTOINS AS POTENTIAL ANTIVIRAL AGENTS. Phosphorus, Sulfur and Silicon and the Related Elements, 2001, 170, 261-278.	1.6	19
23	A New Approach to the Synthesis of Benzothiazole, Benzoxazole, and Pyridine Nucleosides as Potential Antitumor Agents. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 2061-2076.	1.1	19
24	Synthesis, characterization, antibacterial activities, molecular docking, and computational investigation of novel imine-linked covalent organic framework. Journal of Molecular Liquids, 2022, 358, 119191.	4.9	18
25	Synthesis of 3- <sup>2</sup> -Amino and 5- <sup>2</sup> -Amino Hydantoin 2- <sup>2</sup> -Deoxynucleosides. Nucleosides & Nucleotides, 1994, 13, 707-717.	0.5	17
26	Discovery of New <i>S</i> -Glycosides and <i>N</i> -Glycosides of Pyridine- <i>biphenyl</i> System with Antiviral Activity and Induction of Apoptosis in MCF-7 Cells. Journal of Heterocyclic Chemistry, 2019, 56, 1733-1747.	2.6	17
27	Thiohydantoin Nucleosides. Synthesis Approaches. Monatshefte für Chemie, 2004, 135, 1061.	1.8	15
28	Evaluation of 2-Thioxoimidazolidin-4-one Derivatives as Potent Anti-Cancer Agents through Apoptosis Induction and Antioxidant Activation: In Vitro and In Vivo Approaches. Molecules, 2022, 27, 83.	3.8	14
29	Synthesis of C-glycosyl compounds of N-acetylneuraminic acid from d-gluconolactone. Carbohydrate Research, 2002, 337, 1967-1978.	2.3	13
30	GC-MS investigation and toxicological evaluation of alkaloids from <i>Leptadenia pyrotechnica</i> . Pharmaceutical Biology, 2009, 47, 994-1003.	2.9	13
31	A Convenient Synthesis of Pyrano[2,3- <i>b</i> ][1,5]oxazepines by Ring Closure of <i>O</i> -Glycosyl Amino Acids. European Journal of Organic Chemistry, 2011, 2011, 7407-7413.	2.4	13
32	Design, synthesis, DFT, molecular modelling studies and biological evaluation of novel 3-substituted (E)-5-(arylidene)-1-methyl-2-thioxoimidazolidin-4-ones with potent cytotoxic activities against breast MCF-7, liver HepG2, and lung A549. Journal of Molecular Structure, 2021, 1229, 129805.	3.6	13
33	Design, synthesis and biological evaluation of novel thiohydantoin derivatives as antiproliferative agents: A combined experimental and theoretical assessments. Journal of Molecular Structure, 2022, 1249, 131574.	3.6	13
34	Design, Synthesis and Cytotoxicity Evaluation of New 3, 5-Disubstituted-2-Thioxoimidazolidinones. Anti-Cancer Agents in Medicinal Chemistry, 2018, 18, 573-582.	1.7	13
35	Simple and Efficient Synthesis of Novel 3-Substituted 2-Thioxo-2,3-dihydro-1H-benzo[ <i>g</i> ]quinazolin-4-ones and Their Reactions with Alkyl Halides and $\pm$ -Glycopyranosyl Bromides. Journal of Heterocyclic Chemistry, 2019, 56, 2358-2368.	2.6	12
36	New 2-Oxypyridine/2-Thiopyridine Derivatives Tethered to a Benzotriazole with Cytotoxicity on MCF7 Cell Lines and with Antiviral Activities. Letters in Drug Design and Discovery, 2020, 17, 124-137.	0.7	12

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37	Synthesis of novel d- $\beta$ -galactopyranosyl-l-seryl/l-threonyl-l-alanyl-l-alanine as useful precursors of new glycopeptide antibiotics with computational calculations studies. Carbohydrate Research, 2022, 514, 108546.	2.3	12
38	Synthesis, anti-cancer activity, gene expression and docking stimulation of 2-thioxoimidazolidin-4-one derivatives. Journal of Molecular Structure, 2022, 1265, 133401.	3.6	12
39	Synthesis of Hydantoin Nucleosides with Naphthylmethylene Substituents in the 5-Position. Nucleosides & Nucleotides, 1996, 15, 1927-1943.	0.5	10
40	Structural elucidation and evaluation of toxicity and antitumor activity of cardiac glycosides isolated from <i>Leptadenia pyrotechnica</i> . Pharmaceutical Biology, 2009, 47, 826-834.	2.9	10
41	A new approach for the N- and S-galactosylation of 5-arylidene-2-thioxo-4-thiazolidinones. Carbohydrate Research, 2011, 346, 2831-7.	2.3	9
42	Phytochemical Investigation and Toxicological Studies of Lipid Constituents Isolated from <i>Leptadenia pyrotechnica</i> . Journal of Pharmacology and Toxicology, 2007, 2, 681-697.	0.2	9
43	Convergent synthesis of 2',3'-dideoxy-3'-mercapto nucleosides ? Potential anti-HIV agents. Monatshefte für Chemie, 1994, 125, 1017-1025.	1.8	8
44	Synthesis of N-Substituted 1-Amino-2,3-dihydro-1H-imidazole-2-thione-N-nucleosides and S-Glycosylated Derivatives. Nucleosides, Nucleotides and Nucleic Acids, 2003, 22, 299-307.	1.1	8
45	A CONVENIENT SYNTHESIS OF GLYCOSYLATED HYDANTOINS AS POTENTIAL ANTIVIRAL AGENTS. Phosphorus, Sulfur and Silicon and the Related Elements, 1997, 122, 9-26.	1.6	7
46	SYNTHESIS OF 15H-ISOQUINO[2,3,4]IMIDAZO[2,1-B]QUINAZOLINE-7,13,15-TRIONES AND 14H-ISOQUINO[2,3,4]IMIDAZO[2,1-B]BENZO[G]QUINAZOLINE-8,14,16-TRIONE AS NEW POLYCYCLIC FUSED-RING SYSTEMS. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 2653-2665.	1.6	7
47	Design, synthesis, characterization and biological evaluation of Thieno[2,3-b]pyridines $\alpha$ -chitosan nanocomposites as drug delivery systems for colon targeting. Carbohydrate Research, 2020, 492, 107990.	2.3	7
48	Design, synthesis, and computational explorations of novel 2-thiohydantoin nucleosides with cytotoxic activities. Journal of Heterocyclic Chemistry, 2022, 59, 664-685.	2.6	7
49	Synthesis of substituted quinolines and heterocyclo[x,y-c]quinolines by the nucleophilic substitution and rearrangements of 4-chloro-2-methyl-3-nitroquinolines. Heterocyclic Communications, 1999, 5, .	1.2	5
50	A Convenient Preparation of 2-(2-Arylidene)- and 2-(2-Polyhydroxyalkylidene)hydrazono-4-imidazolidinones with Various Heterocyclic Side Chain Substituents at Position 5 as Potential Antiviral and Antitumor Agents. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1157-1173.	1.6	5
51	Some 2-Modified 4-Thionucleosides via Sulfur Participation and Synthesis of Thio-Azt from 4-Thiofuranoid 1,2-Glycal. Phosphorus, Sulfur and Silicon and the Related Elements, 2003, 178, 1199-1209.	1.6	5
52	Positron annihilation lifetime studies of changes in free volume on some biorelevant nitrogen heterocyclic compounds and their S-glycosylation. Applied Radiation and Isotopes, 2015, 105, 303-307.	1.5	4
53	Thio Nucleoside Derivatives as Intermediates or Target Compounds in the Attempt of Finding New Agents Against HIV. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 74, 465-466.	1.6	1
54	A Convenient Route to O-Glycosyl Lactates via Conjugate Addition to 2-Nitroglycals: Ring Closure to Novel Pyrano[2.3-b][1,4]-oxazines. Synthesis, 2004, 2004, 53-58.	2.3	1

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55	A Convenient Synthesis of 2-Arylidene-5H-thiazolo[2,3-b]quinazoline-3,5[2H]-diones and Their Benzoquinazoline Derivatives.. ChemInform, 2003, 34, no.	0.0	0
56	Synthesis of 15H-Isoquino[2,3:3,4]imidazo[2,1-b]quinazoline-7,13,15-triones and 14H-isoquino[2,3:3,4]imidazo[2,1-b]benzo[g]quinazoline-8,14,16-trione as New Polycyclic Fused-Ring Systems.. ChemInform, 2005, 36, no.	0.0	0
57	Design, synthesis, molecular docking and cytotoxicity evaluation of some novel 5-arylidene-3-(substituted phenyl)-2-(p-tolylamino)-4-imidazolones. Journal of Applied Pharmaceutical Science, 0, , .	1.0	0