

Nouria A Al-Awadi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9854463/publications.pdf>

Version: 2024-02-01

76
papers

936
citations

471061

17
h-index

580395

25
g-index

85
all docs

85
docs citations

85
times ranked

524
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequential Diimination, Staudinger [2 + 2] Ketene-Imine Cycloaddition, and Ring-Closing Metathesis (RCM) Reactions: In Route to Bis(4-spiro-fused- β -lactams)-Based Macrocycles. <i>Journal of Organic Chemistry</i> , 2021, 86, 14777-14785.	1.7	4
2	Gas-Phase Thermolysis of Azines. Part 3. Kinetics and Mechanism of Pyrolysis of Substituted Arylidene-pyrazin-2-yl- and pyrimidin-2-ylhydrazines. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, , 105361.	2.6	0
3	Highly efficient Ru(II)-alkylidene based Hoveyda-Grubbs catalysts for ring-closing metathesis reactions. <i>RSC Advances</i> , 2021, 11, 37866-37876.	1.7	2
4	Gas-phase pyrolysis of arylazonicotinates and nicotinonitriles: Routes towards new aminopyridine and pyrido[3,4-c]cinnoline derivatives. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 602-609.	2.6	2
5	Arylidene-pyridylhydrazines: Synthesis, and kinetics and mechanism of their gas-phase pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 124, 446-453.	2.6	8
6	Photochemistry of 1,4-Dihydropyridine Derivatives: Diradical Formation, Delocalization and Trapping as a Route to Novel Tricyclic and Tetracyclic Nitrogen Heterocyclic Ring Systems. <i>Molecules</i> , 2016, 21, 866.	1.7	6
7	Pyrolysis of azetidinones. Part 2. Kinetics and mechanism of thermolysis of β -lactams and β -thiolactams. <i>Canadian Journal of Chemistry</i> , 2016, 94, 788-793.	0.6	1
8	Product and Mechanism of Gas-phase Pyrolysis of 2-arylidenehydrazinopyrimidines: Interesting Route to Condensed Heterocycles[1]. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1812-1816.	1.4	2
9	Pyrolysis of azetidinone derivatives: a versatile route towards electron-rich alkenes, C-1 allylation and/or homologation of aldehydes. <i>RSC Advances</i> , 2014, 4, 21023-21031.	1.7	7
10	Improved microwave synthesis of unsymmetrical N,N'-diaryl-1,2-aminoethane and imidazolidinium salts as precursors of N-heterocyclic carbenes. <i>RSC Advances</i> , 2014, 4, 38869-38876.	1.7	8
11	Photochemistry of Benzotriazoles: Generation of 1,3-Diradicals and Intermolecular Cycloaddition as a New Route toward Indoles and Dihydropyrrolo[3,4-b]Indoles. <i>Molecules</i> , 2014, 19, 20695-20708.	1.7	19
12	Sequential Staudinger ketene-imine cycloaddition, RCM approach to polycyclic macrocyclic bisazetidinones. <i>RSC Advances</i> , 2013, 3, 6408.	1.7	13
13	Tetra and octa(2,6-di-iso-propylphenoxy)-substituted phthalocyanines: a comparative study among their photophysical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 163-174.	0.4	20
14	Enaminones in a multicomponent synthesis of 4-aryldihydropyridines for potential applications in photoinduced intramolecular electron-transfer systems. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 441-447.	1.3	17
15	Heavy metal effects on physicochemical properties of non-aggregated azaphthalocyanine derivatives. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 817-825.	0.4	25
16	The Photochemistry of Benzotriazole Derivatives. Part 2: Photolysis of 1-Substituted Benzotriazole Arylhydrazones: New Route to Phenanthridin-6-yl-2-phenyldiazines. <i>Molecules</i> , 2011, 16, 10256-10268.	1.7	9
17	Stereoselective synthesis of dihydrothiadiazinoazines and dihydrothiadiazinoazoles and their pyrolytic desulfurization ring contraction. <i>Tetrahedron</i> , 2011, 67, 6259-6274.	1.0	28
18	Kinetics and mechanism of gas-phase pyrolysis of ylides. Part 3. Thermal reactivity of α -acyl- and thiocarbonyl-stabilized methylenetriphenylphosphoranes. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 311-319.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Pyrolysis of 3-hydroxy-2-arylhydrazonoalkanoic acid derivatives. <i>Tetrahedron</i> , 2011, 67, 1298-1307.	1.0	9
20	Gas-phase pyrolysis in organic synthesis: A route for synthesis of cyanamides. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 207-209.	1.4	1
21	Novel Technique for the Application of Azole Corrosion Inhibitors on Copper Surface. <i>Materials Transactions</i> , 2010, 51, 1671-1676.	0.4	13
22	A direct synthetic approach to uracil anhydrothionucleoside derivatives. <i>Carbohydrate Research</i> , 2009, 344, 2322-2328.	1.1	4
23	Gas-phase thermolysis of benzotriazole derivatives. Part 4. Pyrolysis of 1-acylbenzotriazole phenylhydrazones. Interesting direct routes towards <i>N</i> -aminobenzimidazoles. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 723-727.	1.4	23
24	Gas-phase pyrolysis in organic synthesis: New route for synthesis of functionally substituted imidazoles. <i>Journal of Heterocyclic Chemistry</i> , 2008, 45, 1751-1753.	1.4	7
25	Synthesis, characterization, potentiometric and thermodynamic studies of transition metal complexes with 1-benzotriazol-1-yl-1-[(<i>p</i> -methoxyphenyl)hydrazono]propan-2-one. <i>Journal of Coordination Chemistry</i> , 2008, 61, 579-594.	0.8	12
26	Synthesis, Characterization, and Biological Activity of $1-(p\text{-methoxyphenyl})\text{-}1\text{-}H\text{-}1,2,4\text{-}triazol\text{-}5\text{-}one$ and its complexes. <i>Journal of Coordination Chemistry</i> , 2008, 61, 595-604.	1.8	14
27	Kinetics and mechanism of gas-phase pyrolysis of ylides. Part 2.1 Analysis and comparison of molecular reactivities of benzoyl-stabilized methylenetriphenylphosphorane and triphenylarsorane ylides. <i>Arkivoc</i> , 2008, 2008, 228-242.	0.3	9
28	Flash vacuum pyrolysis of 1-azolyl-1-phenylhydrazono-2-propanones. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 219-222.	1.4	1
29	Pyrolytic behavior of substituted <i>N</i> -aminoheteroaromatics: Synthesis of pyrazolo[1,5- <i>a</i>]pyridine and 3-substituted 3-oxopropionitrile derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 989-992.	1.4	4
30	Kinetic and mechanistic study on the thermal reactivity of stabilized phosphorus ylides, part 3: [(Acetyl)(arylcabamoyl)methylene]triphenylphosphoranes and [(alkoxycarbonyl)(arylcabamoyl)methylene]triphenylphosphoranes and their thiocarbamoyl analogues. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 6-16.	1.0	7
31	Comparative studies on the pyrolysis of <i>N</i> -arylideneaminoamides: Kinetic and mechanistic studies. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 59-66.	1.0	9
32	Kinetics and mechanism of gas-phase pyrolysis of <i>N</i> -aryl-3-oxobutanamide ketoanilides, their 2-arylhydrazono derivatives, and related compounds. <i>International Journal of Chemical Kinetics</i> , 2007, 39, 82-91.	1.0	13
33	Synthesis and spectroscopic characterization of nickel(II) complexes of 1-benzotriazol-1-yl-[(<i>p</i> - <i>X</i> -phenyl)hydrazone]propan-2-one. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 36-43.	2.0	22
34	Comparative studies for selective deprotection of the <i>N</i> -arylideneamino moiety from heterocyclic amides: kinetic and theoretical studies. Part 2. <i>Tetrahedron</i> , 2006, 62, 6214-6221.	1.0	9
35	Synthesis, thermal reactivity, and kinetics of stabilized phosphorus ylides, part 2: [(Arylcabamoyl)(cyano)methylene]triphenylphosphoranes and their thiocarbamoyl analogues. <i>International Journal of Chemical Kinetics</i> , 2006, 38, 496-502.	1.0	19
36	Chemistry of 2-Arylhydrazonals: Utility of Substituted 2-Arylhydrazono-3-Oxoalkanals as Precursors for 3-Oxoalkanonitriles, 3-Aminoisoxazole and 1,2,3- and 1,2,4-Triazoles. <i>Journal of Chemical Research</i> , 2006, 2006, 295-302.	0.6	28

#	ARTICLE	IF	CITATIONS
37	Synthesis and spectroscopic studies of copper(II) complexes with 1-benzotriazol-1-yl-1-[(p-X-phenyl)hydrazono] propan-2-one. <i>Journal of Coordination Chemistry</i> , 2006, 59, 743-757.	0.8	7
38	Synthesis, thermal reactivity and kinetics of substituted [(benzoyl)(phenylcarbamoyl)methylene]triphenylphosphoranes and their thiocarbamoyl analogues. <i>Tetrahedron</i> , 2005, 61, 129-135.	1.0	13
39	Gas-phase thermolysis of benzotriazole derivatives. Part 3: Kinetic and mechanistic evidence for biradical intermediates in pyrolysis of aroylbenzotriazoles and related compounds. <i>Tetrahedron</i> , 2005, 61, 8257-8263.	1.0	51
40	Synthesis of novel sulfonyl-stabilized phosphorus ylides, and the kinetics and mechanism of their conventional and flash vacuum pyrolysis reactions. <i>Canadian Journal of Chemistry</i> , 2005, 83, 1543-1553.	0.6	8
41	Regioselective synthesis of 1,2,4-triazin-5-one via gas-phase pyrolysis of 4-arylideneimino-3(2H)-thioxo-1,2,4-triazin-5(4H)-one. Kinetic and mechanistic study. <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 49-55.	0.9	13
42	Gas-phase thermolysis of benzotriazole derivatives: part 1—synthesis of N(1)- and N(2)-benzotriazolyl ketones and kinetics and mechanism of their gas-phase pyrolysis. <i>Journal of Physical Organic Chemistry</i> , 2004, 17, 267-272.	0.9	25
43	A density functional theory study of the gas-phase elimination reactions of 4-arylideneimino-1,2,4-triazol-3(2H)-ones and their 3(2H)-thione analogues. <i>Theoretical Chemistry Accounts</i> , 2003, 110, 387-394.	0.5	11
44	Regioselective synthesis of 1,2,4-triazol-3(2H)-ones and their 3(2H)-thiones: Kinetic studies and selective pyrolytic deprotection. <i>Heteroatom Chemistry</i> , 2003, 14, 50-55.	0.4	3
45	Flash vacuum pyrolysis of azo and nitrosophenols: new routes towards hydroxyarylnitrenes and their reactions. <i>Tetrahedron</i> , 2003, 59, 5425-5430.	1.0	9
46	Gas-phase pyrolysis of thiopheneacetic acids, thienylethanol, and related compounds—protophilicity of ring π -electrons and relative acidities of hydrogen-bond donors of hydroxyl groups. <i>Canadian Journal of Chemistry</i> , 2002, 80, 499-503.	0.6	14
47	Gas-phase elimination reactions of 4-arylideneimino-2-cyanoethyl-1,2,4-triazol-3(2H)-ones, their thione analogues and 2-glucosyl-1,2,4-triazole-3(2H)-thiones: a kinetic and mechanistic study. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 324-329.	0.9	7
48	Efficient synthesis of 3-arylcinnolines from aryl methyl ketones. <i>Tetrahedron</i> , 2001, 57, 1609-1614.	1.0	60
49	Flash vacuum pyrolysis of 3-oxo-2-arylhydrazonopropanals and related derivatives. <i>Tetrahedron</i> , 2001, 57, 10171-10176.	1.0	13
50	Neighboring group participation in the gas phase. The homogeneous elimination kinetics of 5-(N-phenylamino)-1-pentyl acetate and 5-(N-methyl-N-phenylamino)-1-pentyl acetate. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 180-186.	0.9	2
51	Gas-phase elimination reactions of 4-arylideneimino-1,2,4-triazol-3(2H)-ones and their 3(2H)-thione analogues. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 521-525.	0.9	14
52	Gas-phase pyrolysis in organic synthesis. Part 3: Novel cyclization of 2-arylhydrazonopropanals into cinnolines. <i>International Journal of Chemical Kinetics</i> , 2001, 33, 402-406.	1.0	10
53	Kinetics and mechanism of thermal gas-phase elimination of 2-aryloxyacetic acid. <i>International Journal of Chemical Kinetics</i> , 2001, 33, 612-616.	1.0	2
54	Gas-phase pyrolysis of 2-heteroaromatic-1-dimethylaminoethylenes: Kinetic and mechanistic study. <i>Heteroatom Chemistry</i> , 2001, 12, 47-51.	0.4	1

#	ARTICLE	IF	CITATIONS
55	Gas-phase pyrolytic reactions of N-ethyl, N-isopropyl, and N-t-butyl substituted 2-aminopyrazine and 2-aminopyrimidine. <i>International Journal of Chemical Kinetics</i> , 2000, 32, 403-407.	1.0	21
56	Gas-phase pyrolytic reactions of esters of 2-pyridine and 8-quinoline sulfonic acid. <i>International Journal of Chemical Kinetics</i> , 2000, 32, 771-775.	1.0	3
57	Neighbouring group participation in the gas-phase pyrolysis kinetics of 4-(N-methyl-N-phenylamino)-1-butyl acetate and 4-(N-phenylamino)-1-butyl acetate. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 266-271.	0.9	4
58	Kinetics and mechanism of thermal gas-phase elimination of α -substituted carboxylic acids: role of relative basicity of α -substituents and acidity of incipient proton. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 499-504.	0.9	32
59	Substituent effects in the gas-phase pyrolysis of 4-(N-arylamino)-1-butyl acetate and 5-(N-arylamino)-1-pentyl acetate. <i>Journal of Physical Organic Chemistry</i> , 2000, 13, 675-678.	0.9	3
60	Studies with 2H pyranones: Synthesis of new 3-substituted-4-hydroxy-2H-pyran-2-ones. <i>Journal of Chemical Research</i> , 2000, 2000, 16-17.	0.6	12
61	Kinetics and mechanism of pyrolysis of sulphonyl hydrazones and oximes. Part 2 "Structural effects and molecular reactivity. <i>Journal of Physical Organic Chemistry</i> , 1999, 12, 654-658.	0.9	28
62	Gas-phase kinetics of elimination reactions of pentane-2,4-dione derivatives. Part ii [1]. Thermolysis of derivatives and analogues of 3-phenylhydrazonopentane-2,4-dione. <i>International Journal of Chemical Kinetics</i> , 1998, 30, 457-462.	1.0	14
63	SYNTHESIS OF NEW ARYL AND HETEROAROMATIC SUBSTITUTED PYRIDINES, PYRAZOLES, PYRIMIDINES AND PYRAZOLO[3,4-D]PYRIDAZINES. <i>Organic Preparations and Procedures International</i> , 1997, 29, 285-292.	0.6	43
64	Gas-phase pyrolytic reactions. Part 6. [1] Behavior of ethyl (hetero)arylcarboxylate esters in thermal elimination reactions. <i>International Journal of Chemical Kinetics</i> , 1997, 29, 289-293.	1.0	10
65	Pyrolysis of α -hydroxyketones and α -ketoesters: Gas-phase elimination kinetics of 3-hydroxy-3-methyl-2-butanone and methyl benzoylformate. <i>International Journal of Chemical Kinetics</i> , 1997, 29, 295-298.	1.0	18
66	The mechanism of thermal elimination of urea and thiourea derivatives. Part 2. Rate data for pyrolysis of N-acetyl-N α -phenylthiourea and N-benzoyl-N α -arylthioureas. <i>Heteroatom Chemistry</i> , 1997, 8, 63-66.	0.4	5
67	Gas-phase pyrolysis in heterocyclic synthesis. Gas-phase elimination reactions of some substituted aminoazoles. <i>Heteroatom Chemistry</i> , 1997, 8, 293-297.	0.4	3
68	Pyrolysis of aminonitriles, cyanohydrazones, and cyanoacetamides. Part I. Elimination reaction of 1-arylmethyleneamino-1,2-dihydro-4,6-dimethyl-2-oxopyridine-3-carbonitriles and substituted benzaldehyde cyanoacetylhydrazones. <i>International Journal of Chemical Kinetics</i> , 1996, 28, 741-748.	1.0	15
69	Pyrolysis of aminonitriles, cyanohydrazones, and cyanoacetamides. Part II. Elimination reactions of arylacetylhydrazone, arylcyanoacetylhydrazone, and substituted cyanoacetamides. <i>International Journal of Chemical Kinetics</i> , 1996, 28, 749-754.	1.0	6
70	Gas-phase elimination reactions of 4-substituted-2-alkoxythiazoline-5-ones. <i>Heteroatom Chemistry</i> , 1996, 7, 183-186.	0.4	2
71	The mechanism of thermal elimination of urea and thiourea derivatives. Part 1. Rate data for pyrolysis of N-acetylurea, N-acetylthiourea, N,N -diacetylthiourea, and N-acetylthiobenzamide. <i>Heteroatom Chemistry</i> , 1996, 7, 417-420.	0.4	8
72	The nature of the transition state in amides pyrolysis. The rates of pyrolysis of N-benzoyl and N-acetylpropanamide, N-benzoyl and N-acetyl-2-methylpropanamide, and N-thioacetylpropanamide. <i>International Journal of Chemical Kinetics</i> , 1995, 27, 1-6.	1.0	3

#	ARTICLE	IF	CITATIONS
73	Gas-phase kinetics of elimination reactions of pentane-2,4-dione derivatives. International Journal of Chemical Kinetics, 1995, 27, 517-523.	1.0	27
74	Thermolysis reaction of 2-acetyl-1-oxo-five-, six-, and seven-membered ring. International Journal of Chemical Kinetics, 1995, 27, 843-848.	1.0	3
75	Gas-phase kinetics of N-substituted diacetamide. International Journal of Chemical Kinetics, 1994, 26, 951-954.	1.0	5
76	Gas-phase pyrolytic reactions. Rate data for pyrolysis of N-t-butylthioacetamide and N-acetylthioacetamide: role of polarity of transition state and \hat{i}^3 -carbonyl group protophilicity. Journal of the Chemical Society Perkin Transactions II, 1989, , 579-581.	0.9	25