

Abbas Ali Esmaeili

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3185252/publications.pdf>

Version: 2024-02-01

74
papers

1,140
citations

331670

21
h-index

434195

31
g-index

95
all docs

95
docs citations

95
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction between alkyl isocyanides and dialkyl acetylenedicarboxylates in the presence of N-alkyl isatins: convenient synthesis of β^3 -spiro-iminolactones. <i>Tetrahedron</i> , 2003, 59, 5545-5548.	1.9	55
2	A new method for the synthesis of functionalized maleimides. <i>Tetrahedron Letters</i> , 2006, 47, 4469-4471.	1.4	53
3	An efficient diastereoselective synthesis of spiro pyrido[2,1-b][1,3]oxazines via a novel pyridine-based three-component reaction. <i>Tetrahedron Letters</i> , 2011, 52, 4865-4867.	1.4	51
4	Hydrogen storage by N-ethylcarbazol as a new liquid organic hydrogen carrier: A DFT study on the mechanism. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5797-5806.	7.1	50
5	A single-label phenylpyrrolocytidine provides a molecular beacon-like response reporting HIV-1 RT RNase H activity. <i>Nucleic Acids Research</i> , 2010, 38, 1048-1056.	14.5	49
6	New and efficient one-pot synthesis of functionalized β^3 -spiro-lactones mediated by vinyltriphenylphosphonium salts. <i>Tetrahedron</i> , 2003, 59, 1169-1171.	1.9	46
7	Three-component reactions involving zwitterionic intermediates for the construction of heterocyclic systems: one pot synthesis of highly functionalized β^3 -iminolactones. <i>Tetrahedron</i> , 2005, 61, 4031-4034.	1.9	46
8	Synthesis, experimental and theoretical characterization of tetra dentate N,N'-dipyridoxyl (1,3-propylenediamine) salen ligand and its Co(III) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1341-1347.	3.9	41
9	N,N'-dipyridoxyl Schiff bases: Synthesis, experimental and theoretical characterization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 467-471.	3.9	41
10	One-pot synthesis of stable phosphonium ylides using 2-aminothiophenol. <i>Tetrahedron</i> , 2003, 59, 4785-4788.	1.9	36
11	Synthesis, experimental and theoretical characterization of N,N'-dipyridoxyl (1,4-butanediamine) Schiff-base ligand and its Cu(II) complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1046-1050.	3.9	31
12	Synthesis, characterization and interaction of N,N'-dipyridoxyl (1,4-butanediamine) Co(III) salen complex with DNA and HSA. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 74-82.	3.9	31
13	One-Pot, Three-Component Chemoselective Reaction of Isoquinolines, Dialkyl Acetylenedicarboxylates, and β^3 -Ketolactones: An Unexpected Participation of an Ester Carbonyl Group in the 1,4-Dipolar Cycloaddition Reaction. <i>Synlett</i> , 2009, 2009, 2119-2122.	1.8	28
14	N,N'-dipyridoxyl(ethylenediamine) schiff-base ligand and its square-pyramidal copper(II) complex: Synthesis, experimental and theoretical characterization. <i>Journal of Structural Chemistry</i> , 2012, 53, 460-467.	1.0	28
15	Efficient synthesis of novel pyrano[2,3-d]pyrido[1,2-a]pyrimidine derivatives via isocyanide-based three-component reactions. <i>Tetrahedron Letters</i> , 2016, 57, 100-102.	1.4	28
16	Reaction of Isocyanides, Dialkyl Acetylenedicarboxylates, and β^3 -Keto Lactones: Unexpected Participation of an Ester Carbonyl Group in the Isocyanide-Based Three-Component Reaction. <i>Synthesis</i> , 2009, 2009, 1635-1638.	2.3	27
17	Green Synthesis of Fluorescent Carbon Dots from <i>Elaeagnus angustifolia</i> and its Application as Tartrazine Sensor. <i>Journal of Fluorescence</i> , 2021, 31, 185-193.	2.5	26
18	Solvent-Free Crossed Aldol Condensation of Cyclic Ketones with Aromatic Aldehydes Assisted by Microwave Irradiation. <i>Monatshefte für Chemie</i> , 2005, 136, 571-576.	1.8	25

#	ARTICLE	IF	CITATIONS
19	Novel triiodide ion-selective polymeric membrane electrodes based on some transition metal Schiff base complexes. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 928-935.	7.8	25
20	An efficient regioselective synthesis of highly functionalized 3-oxo-2,3-dihydro-5H-thiazolo[3,2-a]pyrimidines via an isocyanide-based three-component reaction. <i>Tetrahedron Letters</i> , 2012, 53, 1351-1353.	1.4	24
21	Efficient synthesis of novel spiro[indole-3,6-pyrano[2,3-d][1,3]thiazolo[3,2-a]pyrimidine derivatives through an organobase-catalyzed, three-component reaction. <i>Tetrahedron</i> , 2015, 71, 2458-2462.	1.9	23
22	Synthesis of novel spiro[benzo[4,5]thiazolo[3,2-a]chromeno[2,3-d]pyrimidine-14,3-indoline]-1,2,13(2H)-trien-11-one. <i>Tetrahedron Letters</i> , 2015, 56, 119-123.	1.9	23
23	A New and Efficient One-pot Synthesis of Trialkyl 6-tert-Butylamino-2H-pyran-2-one-3,4,5-tricarboxylates. <i>Journal of Chemical Research Synopses</i> , 1999, , 368-369.	0.3	20
24	Synthesis of Functionalized Sulfonamides via Multicomponent Reaction of Alkyl Isocyanide and Dialkyl Acetylenedicarboxylate with 4-Methylbenzenesulfonic Acid Monohydrate. <i>Synthesis</i> , 2007, 2007, 709-712.	2.3	19
25	Regioselective synthesis of highly-substituted biaryls by reaction of vinyl malononitriles with acetylenic esters. <i>Tetrahedron</i> , 2010, 66, 3575-3578.	1.9	19
26	An Efficient Synthesis of Highly Functionalized 4H-Pyrano[3,2-d]isoxazoles via Isocyanide-Based Three-Component Reaction. <i>Synlett</i> , 2010, 2010, 1477-1480.	1.8	19
27	Cellulose sulfuric acid as a bio-supported and efficient solid acid catalyst for synthesis of pyrazoles in aqueous medium. <i>RSC Advances</i> , 2014, 4, 61193-61199.	3.6	18
28	The influence of two imidazolium-based ionic liquids on the structure and activity of glucose oxidase: Experimental and theoretical studies. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 656-665.	7.5	16
29	A Novel Synthesis of Spiro-2,5-dihydro-1,2,4,5-oxaphospholes Using a Three-Component Reaction. <i>Synlett</i> , 2007, 2007, 1452-1454.	1.8	15
30	Efficient synthesis of novel tricyclic fused pyranothiazolopyrimidine derivatives via isocyanide-based three-component reactions. <i>Tetrahedron</i> , 2014, 70, 8619-8623.	1.9	15
31	One-pot three component isocyanide-based reaction: Synthesis of novel tetracyclic fused furo[2,3-b:4,5]pyrimido[2,1-b][1,3]benzothiazole. <i>Tetrahedron</i> , 2017, 73, 2894-2900.	1.9	15
32	Diastereoselective synthesis of highly functionalized quinolizines via a pyridine-based three-component reaction and a DFT investigation on the reaction mechanism. <i>Tetrahedron Letters</i> , 2014, 55, 333-337.	1.4	13
33	An efficient synthesis of 3-cyano-3-benzoyloxyindoles via cyanoacylation of isatins in the presence of 4Å... molecular sieves. <i>Tetrahedron Letters</i> , 2012, 53, 5605-5607.	1.4	11
34	Niobium Pentachloride Catalyzed One-Pot Multicomponent Condensation Reaction of 1-Naphthol, Aryl Aldehydes and Cyclic 1, 3-Dicarbonyl Compounds. <i>Letters in Organic Chemistry</i> , 2014, 11, 91-96.	0.5	11
35	A novel and efficient synthesis of 3,3-disubstituted indol-2-ones via Passerini three-component reactions in the presence of 4Å... molecular sieves. <i>Tetrahedron Letters</i> , 2013, 54, 406-408.	1.4	10
36	An efficient one-pot synthesis of highly functionalized benzylpyrazolyl pyrido[1,2-a]pyrimidine derivatives using CuFe ₂ O ₄ nanoparticles under solvent-free conditions. <i>Research on Chemical Intermediates</i> , 2017, 43, 6817-6833.	2.7	10

#	ARTICLE	IF	CITATIONS
37	Three-component reactions of isocyanides, dialkyl acetylenedicarboxylates, and trans-cinnamoyl chlorides for the synthesis of highly functionalized 2-vinyl furans. <i>Molecular Diversity</i> , 2012, 16, 145-150.	3.9	8
38	An Unexpected Diastereoselective Synthesis of Novel Substituted Pyridines via One-Pot, Four-Component Reaction. <i>Synlett</i> , 2016, 27, 1669-1673.	1.8	8
39	Adsorptive Removal of Methylene Blue from Aqueous Solutions Using Magnetic Fe ₃ O ₄ @C-dots: Removal and kinetic studies. <i>Separation Science and Technology</i> , 2022, 57, 2005-2023.	2.5	8
40	Iodination of Aromatic Compounds with Iodine and n-Butyl-triphenylphosphonium Peroxodisulfate. <i>Synthetic Communications</i> , 2003, 33, 1319-1323.	2.1	7
41	Facile Construction of Novel Fused Chromeno[2,3-d]Thiazolo[3,2-a]Pyrimidine Derivatives in Biocompatible Ionic Liquid under Solvent-Free Conditions. <i>Journal of Chemical Research</i> , 2018, 42, 618-622.	1.3	7
42	Preparation of Fe ₃ O ₄ @C-dots as a recyclable magnetic nanocatalyst using <i>Elaeagnus angustifolia</i> and its application for the green synthesis of formamidines. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6387.	3.5	7
43	One-Pot Synthesis of Dialkyl Succinates Containing an α -Amino Group and a β -Ylide Moiety Using Electron-Deficient Acetylenic Esters. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2006, 181, 527-532.	1.6	6
44	A Facile One-Pot Synthesis of Functionalized 1,5-dihydro- ϵ -[1]benzopyrano[2,3-b]pyridin-5-ones. <i>Helvetica Chimica Acta</i> , 2007, 90, 1712-1717.	1.6	6
45	Diastereoselective synthesis of 5-iminoxazolines and their subsequent transformation to β -disubstituted dipeptide esters: a formal [4+1] cycloaddition reaction of cyclohexyl isocyanide and Z-alkyl- β -benzoyl amino-acrylates. <i>Tetrahedron</i> , 2012, 68, 8046-8051.	1.9	6
46	Synthesis and Theoretical Study of Intramolecular Hydrogen Bond at Two Possible Positions in Pyrazolo[1,2-b]phthalazine. <i>Chinese Journal of Chemistry</i> , 2012, 30, 779-784.	4.9	6
47	One-pot, catalyst-free synthesis of novel spiro[indole-3,4-pyrano[2,3:4,5]pyrimido[2,1-b][1,3]benzothiazole] derivatives. <i>Journal of Chemical Research</i> , 2020, 44, 646-652.	1.3	6
48	An efficient synthesis of novel spiro[indole-3,8-pyrano[2,3-d][1,3,4]thiadiazolo[3,2-a]pyrimidine derivatives via organobase-catalyzed three-component reaction of malononitrile, isatin and heterocyclic-1,3-diones. <i>Journal of Sulfur Chemistry</i> , 2021, 42, 628-644.	2.0	6
49	Ionic Liquid Promoted Efficient Three-Component Synthesis of 2-Thioxo-2-Thiopyrans. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 2267-2273.	1.6	5
50	Facile Synthesis of Highly Substituted Iminocyclopentenes: A Novel Isocyanide-Based Three-Component Condensation Reaction. <i>Synlett</i> , 2011, 2011, 2307-2310.	1.8	5
51	Synthesis, Characterization and Fluorescence Properties of Zn(II) and Cu(II) Complexes: DNA Binding Study of Zn(II) Complex. <i>Journal of Fluorescence</i> , 2016, 26, 333-344.	2.5	5
52	Straightforward and simple synthesis of novel pyranodipyrimidine derivatives via reaction of aromatic aldehydes and heterocyclic-1,3-dicarbonyl compound. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 819-825.	1.6	5
53	A facile access to highly functionalized triphenylphosphoranylidene succinimides through a three-component reaction and DFT investigation of the reaction mechanism. <i>RSC Advances</i> , 2014, 4, 37900.	3.6	4
54	An efficient diastereoselective synthesis of novel fused 5H-furo[2,3-d]thiazolo[3,2-a]pyrimidin-5-ones via one-pot three-component reaction. <i>Molecular Diversity</i> , 2022, 26, 183-190.	3.9	4

#	ARTICLE	IF	CITATIONS
55	Synthesis of Novel 1-(Benzo[<i>d</i>]thiazol-2-yl)-1 <i>H</i> -pyrrol-2(5 <i>H</i>)-ones. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1791-1796.	2.6	3
56	Efficient One-Pot Three-Component Synthesis of Novel Spiro(Indoline-3,7- α^2 -Thiazolo[3,2- <i>a</i>]Pyrimidine) Derivatives. <i>Journal of Chemical Research</i> , 2016, 40, 471-474.	1.3	3
57	Organobase-catalyzed one-pot three-component synthesis of novel pyrano[2,3- <i>d</i>][1,3]thiazolo[3,2- <i>a</i>]pyrimidine derivatives. <i>Research on Chemical Intermediates</i> , 2021, 47, 3537-3550.	2.7	3
58	An Efficient One-Pot Synthesis of Condensed Imidazoles Using Pentafluorophenylammonium Triflate as Novel, Metal-free and Reusable Catalyst. <i>Asian Journal of Chemistry</i> , 2013, 25, 3446-3448.	0.3	2
59	A simple and efficient synthesis of novel pyranothiadiazolopyrimidine derivatives by three component reactions in solvent-free conditions. <i>Arkivoc</i> , 2020, 2019, 211-223.	0.5	2
60	Synthesis of novel trifluoro methylated imidazothiadiazole derivatives via one-pot isocyanide-based three-component reaction under catalyst and solvent-free conditions. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021, 196, 1071-1077.	1.6	2
61	Efficient and green synthesis of novel hexahydro-5 <i>H</i> -thiazolo[2',3':2,3]pyrimido[4,5- <i>b</i>]quinoline derivatives. <i>Molecular Diversity</i> , 2023, 27, 477-486.	3.9	2
62	N,N'-Dipyridoxyl(1,8-diamino-3,6-dioxaoctane) Schiff-base: Synthesis, experimental and theoretical identification. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2013, 27, .	1.1	1
63	Synthesis, characterization and biological evaluation of novel $\hat{1}\pm$, $\hat{1}^2$ unsaturated amides. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 161, 170-177.	3.9	1
64	Convenient one-pot access to novel densely functionalized pyrano[2,3- <i>d</i>][1,3,4]thiadiazolo[3,2- <i>a</i>]pyrimidines via three component reaction. <i>Research on Chemical Intermediates</i> , 2017, 43, 4683-4696.	2.7	1
65	One-pot Three-component Synthesis of Novel 1,3,4-Thiadiazole-thiazolo[3,2- <i>a</i>]pyrimidine Derivatives Catalyzed by Molecular Iodine. <i>Organic Preparations and Procedures International</i> , 0, , 1-9.	1.3	1
66	Catalyst-free Facile Synthesis of Novel Fused Spiro[benzo[4,5]thiazolo[3,2- <i>a</i>]pyrano[2,3- <i>d</i>]pyrimidine-4,3'-indoline]-3-carbonitrile Derivatives <i>via</i> One-pot Three-Component Reaction. <i>Organic Preparations and Procedures International</i> , 2022, 54, 145-156.	1.3	1
67	Green and Efficient Synthesis of Novel Polysubstituted 2-Pyrrolidinones under Catalyst and Solvent-Free Conditions. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 3535-3545.	2.6	1
68	Synthesis of Dialkyl 9-Chloro-3 <i>H</i> -pyrrolo[1,2- <i>a</i>]indole-2,3-dicarboxylates Mediated by Vinylphosphonium Salts.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
69	Reaction Between Alkyl Isocyanides and Dialkyl Acetylenedicarboxylates in the Presence of N-Alkyl Isatins: Convenient Synthesis of $\hat{1}^3$ -Spiro-iminolactones.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
70	Three-Component Reactions Involving Zwitterionic Intermediates for the Construction of Heterocyclic Systems: One-Pot Synthesis of Highly Functionalized $\hat{1}^3$ -Iminolactones.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
71	A Facile and Diastereoselective access to Functionalised Benzopyrano[3,4- <i>a</i>] Quinolizines via a Pyridine-Based Three-Component Reaction. <i>Journal of Chemical Research</i> , 2017, 41, 688-692.	1.3	0
72	One-pot synthesis of 4-ethyl 2,3-dimethyl 1-(5-aryl-1,3,4-thiadiazol-2-yl)-5-oxo-2,5-dihydro-1 <i>H</i> -pyrrole-2,3,4-tricarboxylate derivatives via intramolecular Wittig reaction. <i>Journal of Chemical Research</i> , 2020, 44, 403-409.	1.3	0

#	ARTICLE	IF	CITATIONS
73	Biomimetic hydrogenation of electron deficient olefins using in situ generated 2-arylbenzimidazoline: synthesis of novel 3-benzylbenzo[4,5]thiazolo[3,2-a]pyrimidin-4-ones. <i>Molecular Diversity</i> , 2021, , 1.	3.9	0
74	Efficient synthesis of novel chromenopyrido[3,2-e]isothiazolo[2,3-a]pyrimidines via a non-catalytic one-pot three-component reaction. <i>Research on Chemical Intermediates</i> , 0, , 1.	2.7	0