

Akram Hosseinian

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81
papers

1,967
citations

30
h-index

40
g-index

81
ext. papers

2,204
ext. citations

3.1
avg, IF

5.57
L-index

#	Paper	IF	Citations
81	Chemical fixation of CO ₂ to N-propargylamines: A straightforward route to 2-oxazolidinones. <i>Journal of CO₂ Utilization</i> , 2017 , 19, 120-129	7.6	80
80	New page to access pyridine derivatives: synthesis from N-propargylamines. <i>RSC Advances</i> , 2016 , 6, 71662-71675	3.7	66
79	Novel routes to quinoline derivatives from N-propargylamines. <i>RSC Advances</i> , 2016 , 6, 49730-49746	3.7	66
78	Three-component coupling of CO ₂ , propargyl alcohols, and amines: An environmentally benign access to cyclic and acyclic carbamates (A Review). <i>Journal of CO₂ Utilization</i> , 2017 , 21, 108-118	7.6	62
77	New protocols to access imidazoles and their ring fused analogues: synthesis from N-propargylamines. <i>RSC Advances</i> , 2017 , 7, 7079-7091	3.7	56
76	Chemical fixation of CO ₂ to 2-aminobenzonitriles: A straightforward route to quinazoline-2,4(1H,3H)-diones with green and sustainable chemistry perspectives. <i>Journal of CO₂ Utilization</i> , 2017 , 21, 342-352	7.6	56
75	Nanocatalysts for chemical transformation of carbon dioxide. <i>Journal of CO₂ Utilization</i> , 2017 , 21, 491-502	7.6	56
74	Cross-Dehydrogenative C-H/S-H Coupling Reactions. <i>Topics in Current Chemistry</i> , 2018 , 376, 39	7.2	55
73	Possibility of sensing, adsorbing, and destructing the Tabun-2D-skeletal (Tabun nerve agent) by C ₂₀ fullerene and its boron and nitrogen doped derivatives. <i>Synthetic Metals</i> , 2016 , 220, 606-611	3.6	49
72	Cross-Dehydrogenative Coupling Reactions Between P(O)-H and X-H (X = S, N, O, P) Bonds. <i>Topics in Current Chemistry</i> , 2018 , 376, 23	7.2	49
71	Transition-metal-catalyzed C-N cross-coupling reactions of N-unsubstituted sulfoximines: a review. <i>Journal of Sulfur Chemistry</i> , 2018 , 39, 674-698	2.3	48
70	Nanocomposite of ZIF-67 metal-organic framework with reduced graphene oxide nanosheets for high-performance supercapacitor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 18040-18048	2.1	47
69	Recent developments in decarboxylative cross-coupling reactions between carboxylic acids and N-H compounds.. <i>RSC Advances</i> , 2019 , 9, 8964-8976	3.7	46
68	Direct C-H trifluoromethylthiolation of (hetero)arenes: A review. <i>Journal of Fluorine Chemistry</i> , 2019 , 224, 52-60	2.1	45
67	Recent advances in sulfur-nitrogen bond formation cross-dehydrogenative coupling reactions.. <i>RSC Advances</i> , 2018 , 8, 18456-18469	3.7	45
66	New route to 1,4-oxazepane and 1,4-diazepane derivatives: synthesis from N-propargylamines. <i>RSC Advances</i> , 2016 , 6, 99781-99793	3.7	44
65	Selective sensing of ozone and the chemically active gaseous species of the troposphere by using the C fullerene and graphene segment. <i>Talanta</i> , 2017 , 162, 505-510	6.2	43

64	Three-component reaction of amines, epoxides, and carbon dioxide: A straightforward route to organic carbamates. <i>Journal of CO2 Utilization</i> , 2018 , 27, 381-389	7.6	40
63	Arylhydrazines: novel and versatile electrophilic partners in cross-coupling reactions.. <i>RSC Advances</i> , 2018 , 8, 33828-33844	3.7	40
62	Advancements in six-membered cyclic carbonate (1,3-dioxan-2-one) synthesis utilizing carbon dioxide as a C1 source.. <i>RSC Advances</i> , 2018 , 8, 17976-17988	3.7	39
61	Recent advantages in the metal (bulk and nano)-catalyzed S-arylation reactions of thiols with aryl halides in water: a perfect synergy for eco-compatible preparation of aromatic thioethers. <i>Journal of Sulfur Chemistry</i> , 2018 , 39, 332-349	2.3	37
60	Intramolecular cyclization of N-allyl propiolamides: a facile synthetic route to highly substituted lactams (a review). <i>RSC Advances</i> , 2017 , 7, 28407-28418	3.7	35
59	Cycloaddition of atmospheric CO to epoxides under solvent-free conditions: a straightforward route to carbonates by green chemistry metrics.. <i>RSC Advances</i> , 2019 , 9, 3884-3899	3.7	35
58	Decarboxylative cross-coupling reactions for P(O)-C bond formation.. <i>RSC Advances</i> , 2018 , 8, 26383-26397	3.7	35
57	Transition metal-catalyzed [2 + 2 + 2] cycloaddition of nitrogen-linked 1,6-diynes: a straightforward route to fused pyrrolidine systems. <i>RSC Advances</i> , 2017 , 7, 43716-43736	3.7	35
56	Chemical fixation of CO2 with aniline derivatives: A new avenue to the synthesis of functionalized azole compounds (A review). <i>Journal of CO2 Utilization</i> , 2017 , 21, 480-490	7.6	34
55	A walk around the decarboxylative C-S cross-coupling reactions. <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 88-112	2.3	34
54	Direct C-H bond sulfenylation of (Het)arenes using sulfonyl hydrazides as thiol surrogate: a review. <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 289-311	2.3	33
53	Nanocatalysts for C-Be cross-coupling reactions. <i>RSC Advances</i> , 2018 , 8, 291-301	3.7	32
52	New Page to Access Pyrazines and their Ring Fused Analogues: Synthesis from N-Propargylamines. <i>Current Organic Synthesis</i> , 2017 , 14, 557-567	1.9	31
51	Recent advances in the application of nano-catalysts for Miyaura cross-coupling reactions.. <i>RSC Advances</i> , 2019 , 9, 3185-3202	3.7	30
50	Three component coupling of amines, alkyl halides and carbon dioxide: An environmentally benign access to carbamate esters (urethanes). <i>Journal of CO2 Utilization</i> , 2018 , 24, 361-368	7.6	27
49	S-arylation of 2-mercaptobenzazoles: a comprehensive review. <i>Journal of Sulfur Chemistry</i> , 2018 , 39, 443-463	2.3	26
48	Cross-Dehydrogenative Coupling Reactions Between C(sp)-H and X-H (X = N, P, S, Si, Sn) Bonds: An Environmentally Benign Access to Heteroatom-Substituted Alkynes. <i>Topics in Current Chemistry</i> , 2019 , 377, 20	7.2	25
47	Cross-dehydrogenative coupling reactions between arenes (C-H) and carboxylic acids (O-H): a straightforward and environmentally benign access to -aryl esters.. <i>RSC Advances</i> , 2019 , 9, 17101-17118	3.7	24

46	Methods for the direct synthesis of thioesters from aldehydes: a focus review. <i>Journal of Sulfur Chemistry</i> , 2020 , 41, 96-115	2.3	23
45	Synthesis of six-membered cyclic carbamates employing CO ₂ as building block: A review. <i>Journal of CO₂ Utilization</i> , 2019 , 33, 37-45	7.6	21
44	Synthesis and characterization of nano-scale of a new azido Co(II) complex as single and nano-scale crystals: Bithiazole precursor for the preparation of Co ₃ O ₄ nano-structures. <i>Journal of Molecular Structure</i> , 2012 , 1028, 215-221	3.4	21
43	Metal Catalyzed Carboxylative Coupling of Terminal Alkynes, Organohalides and Carbon Dioxide: A Novel and Promising Synthetic Strategy Toward 2-Alkynoates (A Review). <i>Current Organic Chemistry</i> , 2018 , 22, 315-322	1.7	20
42	Intramolecular ipso-Cyclization of N-Arylpropiolamides: A Novel and Straightforward Synthetic Approach for Azaspiro[4.5]deca-2-ones. <i>Current Organic Chemistry</i> , 2018 , 22, 286-297	1.7	18
41	Transition-metal-catalyzed dehydrogenative coupling of alcohols and amines: A novel and atom-economical access to amides. <i>Journal of the Chinese Chemical Society</i> , 2021 , 68, 723-737	1.5	18
40	Oxidative trifluoromethyl(thiol/selenol)ation of terminal alkynes: An overview. <i>Journal of Fluorine Chemistry</i> , 2021 , 245, 109762	2.1	18
39	Chemical Fixation of CO ₂ to Allylic (H)Allylic) Amines: A Green Route to Synthesis of Functionalized 2-Oxazolidones. <i>Mini-Reviews in Organic Chemistry</i> , 2018 , 15, 315-323	1.7	18
38	A DFT study on nanocones, nanotubes (4,0), nanosheets and fullerene C as anodes in Mg-ion batteries.. <i>RSC Advances</i> , 2019 , 9, 853-862	3.7	17
37	Recent trends in direct mono-, di-, and tri-fluoromethyl(thiol)ation of S-H bonds. <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 565-585	2.3	17
36	Recent Advances in Synthesis of Functionalized Lactams through Cyclization of N-Propargyl Amine/Amide Derivatives. <i>Current Organic Chemistry</i> , 2018 , 22, 199-205	1.7	17
35	Adsorption and decomposition of formaldehyde on the B ₁₂ N ₁₂ nanostructure: a density functional theory study. <i>Monatshefte für Chemie</i> , 2017 , 148, 1727-1731	1.4	16
34	DFT results against experimental data for electronic properties of C and C fullerene derivatives. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 81, 60-67	2.8	15
33	Intramolecular cyclization of N-propargyl anilines: a new synthetic entry into highly substituted indoles. <i>Journal of the Iranian Chemical Society</i> , 2017 , 14, 2339-2353	2	15
32	Application of switchable solvent-based liquid phase microextraction for preconcentration and trace detection of cadmium ions in baby food samples. <i>Journal of the Iranian Chemical Society</i> , 2018 , 15, 491-498	2	15
31	Simultaneous Determination of Deltamethrin and Permethrin in Water Samples Using Homogeneous Liquid-Liquid Microextraction via Flotation Assistance and GC-FID. <i>Chromatographia</i> , 2014 , 77, 715-721	2.1	14
30	A Density Functional Theory Study on the Interaction Between 5-Fluorouracil Drug and C ₂₄ Fullerene. <i>Journal of Cluster Science</i> , 2017 , 28, 2681-2692	3	14
29	Synthesis, structural characterization and thermal properties of a new Cd(II) complex: As bithiazole precursor for preparation of CdS nanoparticles. <i>Journal of Molecular Structure</i> , 2011 , 985, 270-276	3.4	13

28	Adsorption properties of chloropicrin on pristine and borazine-doped nanographenes: A theoretical study. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 115, 277-282	3.9	12
27	Odorless, convenient and one-pot synthesis of thioethers from organic halides and thiourea. <i>Journal of Sulfur Chemistry</i> , 2019 , 40, 209-231	2.3	12
26	Intramolecular Cyclization of N-Arylpropiolamides: A New Strategy for the Synthesis of Functionalized 2-Quinolones. <i>Current Organic Chemistry</i> , 2017 , 21,	1.7	10
25	The effect of electric field and Al doping on the sensitivity of hexa-peri-hexabenzocoronene nanographene to chloropicrin. <i>Applied Organometallic Chemistry</i> , 2018 , 32, e4486	3.1	9
24	Nanoparticles of a new zinc(II) coordination polymer: synthesis, characterization, thermal, and structural studies. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 2623-2633	1.6	9
23	A density functional theory outlook on the possible sensing ability of boron nitride nanotubes and their Al- and Si-doped derivatives for sulfonamide drugs. <i>Journal of Sulfur Chemistry</i> , 2020 , 41, 82-95	2.3	9
22	Transition metal-catalyzed intramolecular cyclization of N-Boc-protected propargyl/ethynyl amines: a novel and convenient access to 2-oxazolidinone/oxazolone derivatives. <i>Journal of the Iranian Chemical Society</i> , 2019 , 16, 617-627	2	9
21	Adsorption sensitivity of pristine and Al- or Si-doped boron nitride nanoflake to COCl ₂ : a DFT study. <i>Molecular Physics</i> , 2019 , 117, 626-634	1.7	9
20	A DFT study on the sulfanilamide interaction with graphyne-like boron nitride nanosheet. <i>Journal of Sulfur Chemistry</i> , 2020 , 41, 483-497	2.3	8
19	Application of Solid-Phase Extraction Coupled with Dispersive Liquid-Liquid Microextraction for the Determination of Benzaldehyde in Injectable Formulation Solutions. <i>Chromatographia</i> , 2014 , 77, 951-955	2.1	8
18	Five Coordinated Zinc(II) and Tris-Chelate Cadmium(II) Complexes with 2,2'-Diamino-5,5'-dimethyl-4,4'-bithiazole: Syntheses, Spectroscopic Characterization, and Crystal Structure. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 2505-2509	1.3	8
17	A novel biosensor for gabapentin drug detection based on the Pd-decorated aluminum nitride nanotube. <i>Structural Chemistry</i> , 2021 , 32, 1961-1971	1.8	6
16	A theoretical study on the electronic sensitivity of the pristine and Al-doped B ₂₄ N ₂₄ nanoclusters to F ₂ CO and Cl ₂ CO gases. <i>Structural Chemistry</i> , 2017 , 28, 1919-1926	1.8	5
15	Thermolysis preparation of ZnS nanoparticles from a nano-structure bithiazole zinc(II) coordination compound. <i>Journal of Molecular Structure</i> , 2014 , 1074, 673-678	3.4	5
14	Nano-structured Catalytic Systems in Cyanation of Aryl Halides with K ₄ [Fe(CN) ₆]. <i>Current Organic Chemistry</i> , 2018 , 22, 1862-1874	1.7	5
13	A Simple and Efficient Synthesis of 4-Arylacridinediones and 6-Aryldiindeno[1,2-b:2,1-e]pyridinediones using CuI Nanoparticles as Catalyst under Solvent-Free Conditions. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2017 , 20, 773-780	1.3	5
12	Computational study of a B ₃₆ borophene as an electronic sensor for the anti-cancer drug cisplatin. <i>Journal of Computational Electronics</i> , 2021 , 20, 635-642	1.8	5
11	Investigation of pH effect on the hydrothermal synthesis of highly efficient ZnO nanostructures as photocatalyst. <i>Inorganic and Nano-Metal Chemistry</i> , 2017 , 47, 302-307	1.2	4

10	Yolk-Shell Fe ₃ O ₄ -Polyaniline Decorated Pd-Ni Nanoparticles with Enhanced Performance for Direct Formic Acid Fuel Cell. <i>Nano</i> , 2017 , 12, 1750016	1.1	3
9	Synthesis and thermal, fluorescence and structural studies of mixed-ligand lead(II) complexes with 2,2'-diamino-5,5'-dimethyl-4,4'-bithiazole. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 4245-4258	1.6	3
8	Characterization of IR spectroscopy, APT charge, ESP maps, and AIM analysis of C ₂₀ and its C ₂₀ -nAl _n heterofullerene analogous (n = 1-9) using DFT. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4198	2.1	3
7	Study the Adsorption of Letrozole Drug on the Silicon Doped Graphdiyne Monolayer: a DFT Investigation. <i>Silicon</i> , 1	2.4	2
6	A Facile and Promising Synthetic Strategy toward Functionalized 2H-Chromenes from Aryl Propargyl Ethers. A Review. <i>Organic Preparations and Procedures International</i> , 2018 , 50, 544-564	1.1	2
5	A new strategy for the synthesis of 2-mercaptobenzazole derivatives by green chemistry metrics. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2021 , 196, 1-5	1	1
4	The interaction between ethionamide and pristine, Si-, Ga-, and Al-doped boron nitride nanoflakes: A computational study. <i>Journal of Sulfur Chemistry</i> , 1-17	2.3	0
3	Cavity-trapped electrons: lithium doped tetracyano-2,6-naphthoquinodimethane (TNAP) systems. <i>Journal of Molecular Modeling</i> , 2020 , 26, 118	2	
2	A computational perspective of novel N-heterocyclic silylenes using density functional theory. <i>Journal of Physical Organic Chemistry</i> , 2021 , 34, e4197	2.1	
1	Insight into the intermolecular interactions in the NF ₃ /ISO system: a computational study. <i>Journal of Sulfur Chemistry</i> , 2016 , 37, 674-682	2.3	