

# Ali Shiri

## List of Publications by Year in descending order

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89  
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citations

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111  
docs citations

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times ranked

1042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Various Novel Derivatives of Dipyrimido[4,5-b:4',5'-e][1,4]thiazepine and Their Theoretical Evaluation as 15-Lipoxygenase Inhibitor. Polycyclic Aromatic Compounds, 2023, 43, 288-301.	2.6	1
2	Natural halloysite nanotubes as an efficient catalyst in strecker reaction: the synthesis of $\alpha$ -amino nitriles under solvent-free conditions. Molecular Diversity, 2023, 27, 919-929.	3.9	1
3	Dimroth rearrangement-based synthesis of novel derivatives of [1,3]selenazolo[5,4-e][1,2,4]triazolo[1,5-c]pyrimidine as a new class of selenium-containing heterocyclic architecture. Molecular Diversity, 2022, 26, 923-937.	3.9	8
4	A Dimroth rearrangement approach for the synthesis of selenopheno[2,3-e][1,2,4]triazolo[1,5-c]pyrimidines with cytotoxic activity on breast cancer cells. Molecular Diversity, 2022, 26, 1621-1633.	3.9	6
5	An efficient and green one-pot synthesis of tetrahydrobenzo[a]xanthenes, 1,8-dioxo-octahydroxanthenes and dibenzo[a,j]xanthenes by Fe <sub>3</sub> O <sub>4</sub> @Agar-Ag as nanocatalyst. Molecular Diversity, 2022, 26, 2745-2759.	3.9	9
6	Pyrido[1,2-c:1',2'-i]purine: Design and Synthesis of Appropriate Inhibitory Candidates against the Main Protease of COVID-19. Journal of Organic Chemistry, 2022, 87, 3922-3933.	3.2	5
7	Synthesis and antiproliferative assessments of new derivatives of isothiazolo[3,4-d]pyrimidine. Journal of Sulfur Chemistry, 2021, 42, 193-201.	2.0	0
8	On-Water and Efficient Ullmann-Type O-Arylation Cross Coupling Reaction of Phenols and Aryl Tosylates in the Presence of Fe <sub>3</sub> O <sub>4</sub> @Starch-Au as Nanocatalyst. ChemistrySelect, 2021, 6, 3941-3951.	1.5	12
9	Copper Immobilization on Fe <sub>3</sub> O <sub>4</sub> @Agar: An Efficient Superparamagnetic Nanocatalyst for Green Ullmann-Type Cross-Coupling Reaction of Primary and Secondary Amines with Aryl Iodide Derivatives. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 4648-4658.	3.7	7
10	Magnetic covalently immobilized nickel complex: A new and efficient method for the Suzuki cross-coupling reaction. Applied Organometallic Chemistry, 2021, 35, e6158.	3.5	12
11	A magnetic copper organic framework material as an efficient and recyclable catalyst for the synthesis of 1,2,3-triazole derivatives. Scientific Reports, 2021, 11, 20514.	3.3	17
12	A core-shell superparamagnetic metal-organic framework: a recyclable and green catalyst for the synthesis of propargylamines. New Journal of Chemistry, 2021, 45, 21342-21349.	2.8	6
13	Synthesis of Pyrimido[4,5-e]tetrazolo[5,1-b][1,3,4]thiadiazepine as a Novel Fused Heterocyclic System. Polycyclic Aromatic Compounds, 2020, 40, 535-539.	2.6	2
14	The effect of solvation in torquoselectivity: ring opening of monosubstituted cyclobutenes. Organic and Biomolecular Chemistry, 2020, 18, 6287-6296.	2.8	1
15	Step Forward to Stronger Neutral Organic Superbases: Fused Troponimines. Journal of Organic Chemistry, 2020, 85, 11375-11381.	3.2	10
16	Graphene Oxide Functionalized Zn(II) Salen Complex: An Efficient and New Route for the Synthesis of 1,2,3-Triazole Derivatives. ChemistrySelect, 2020, 5, 10233-10242.	1.5	22
17	Synthesis of Various Derivatives of [1,3]Selenazolo[4,5-d]pyrimidine and Exploitation of These Heterocyclic Systems as Antibacterial, Antifungal, and Anticancer Agents. ChemistrySelect, 2020, 5, 10060-10066.	1.5	21
18	Novel Tricyclic 2-Alkoxy-8-methyl-6-(pyrrolidin-1-yl)-4H-[1,2,4]triazolo[5,1-f]purine Derivatives: Synthesis and Characterization. Polycyclic Aromatic Compounds, 2020, , 1-11.	2.6	4

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19	Robust approach leading to novel densely functionalized four-cyclic benzo[e]pyrazolo[5,1-b:2,3]pyrimido[4,5-b][1,4]diazepines with antibacterial activity toward resistant strains. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1555-1566.	2.2	10
20	New efficient design and synthesis of novel antioxidant and antifungal 7-imino[1,3]selenazolo[4,5-d]pyrimidine-5(4H)-thiones utilizing a base-promoted cascade addition/cyclization sequence. <i>Monatshefte für Chemie</i> , 2020, 151, 963-969.	1.8	12
21	Zirconium (IV) porphyrin graphene oxide: a new and efficient catalyst for the synthesis of 3,4-dihydropyrimidin-2(1H)-ones. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5091.	3.5	31
22	Co(II)-Porphyrin Immobilized on Graphene Oxide: An Efficient Catalyst for the Beckmann Rearrangement. <i>ChemistrySelect</i> , 2019, 4, 10920-10927.	1.5	27
23	Novel design of recyclable copper(II) complex supported on magnetic nanoparticles as active catalyst for Beckmann rearrangement in poly(ethylene glycol). <i>Applied Organometallic Chemistry</i> , 2018, 32, e4344.	3.5	38
24	Synthesis and Antioxidant Evaluation of Quinoxalino[2,3-a:5,6-b]thiadiazino[2,3-b:4-c]quinazolin-15-ones: Derivatives of a Novel Ring System. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 517-521.	1.5	5
25	Pure Water-Induced Dehalogenation of 2,4-Di-tert-amino-6-substituted-5-halogenopyrimidines. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5852-5857.	6.7	4
26	Synthesis of 2-substituted-4-methyl-5,13-dihydropyrimido[4,5-a:2,5,6-b]thiazepino[2,3-b:4-c]quinoxaline as a new heterocyclic system. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018, 193, 545-551.	1.6	2
27	Synthesis, characterization and first application of covalently immobilized nickel-porphyrin on graphene oxide for Suzuki cross-coupling reaction. <i>New Journal of Chemistry</i> , 2018, 42, 19433-19441.	2.8	45
28	Substituted troponimines: when aromatization of the conjugate acid leads to very strong neutral organic superbases. <i>New Journal of Chemistry</i> , 2018, 42, 14568-14575.	2.8	7
29	An Alternative Regioselective Approach for the Synthesis of Highly Functionalized Derivatives of Pyrazolo[5,1-b:4-a]purine Scaffold. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 2055-2060.	2.6	17
30	Metal-Free Debromination of 5-Bromopyrimidine Derivatives Using DMF/Trialkylamine as the Hydrogen Source. <i>ChemistrySelect</i> , 2018, 3, 5401-5404.	1.5	0
31	Synthesis of New Derivatives of 4-(4,7,7-trimethyl-7,8-dihydro-6H-benzo[5,4-b:6-c]pyrimido[5,4-e:6-f][1,4]thiazin-2-yl)morpholines. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 151-154.	2.6	3
32	Synthesis of New Pyrimido[4,5-e][1,2,4]triazolo[3,4-b][1,3,4]thiadiazine Derivatives via S/N Smiles Rearrangement. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 235-241.	2.6	7
33	Synthesis and Antiproliferative Evaluation of New Pyrimido[1,6-a:2,3-d]Thieno[2,3-d]Pyrimidine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 366-374.	2.6	2
34	Synthesis, characterization and application of nitrogen-sulfur-doped carbon spheres as an efficient catalyst for the preparation of novel $\pm$ -aminophosphonates. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1971-1982.	2.2	9
35	Synthesis, X-ray and Fluorescence Characteristics of Pyrimido[5,4-e]thiazolo[3,2-a]pyrimidine as a Novel Heterocyclic System. <i>Journal of Fluorescence</i> , 2017, 27, 1183-1190.	2.5	6
36	NANO-SIZED La <sub>0.5</sub> Ca <sub>0.5</sub> CoO <sub>3</sub> -MEDIATED REDUCTION BY NaBH <sub>4</sub> OF ARYL NITRILES TO BIS-(BENZYL) AMINES. <i>Journal of the Chilean Chemical Society</i> , 2017, 62, 3330-3334.	1.2	2

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37	Synthesis of Novel Derivatives of (Benz)Imidazo[2,1-b]Pyrimido[4,5-d][1,3]Thiazine. Journal of Chemical Research, 2017, 41, 730-733.	1.3	6
38	Synthesis, characterization and in vitro anticancer evaluations of two novel derivatives of deferasirox iron chelator. European Journal of Pharmacology, 2016, 781, 209-217.	3.5	14
39	TiCl <sub>2</sub> ·2H <sub>2</sub> O catalyzed one-pot synthesis of highly functionalized tetrahydropiperidines and evaluation of their antimicrobial activities. Heterocyclic Communications, 2016, 22, 117-121.	1.2	16
40	Synthesis, Characterisation, and in Vitro Antibacterial Evaluation of a New Class of 2-substituted-4-methyl-7,8-dihydro-5H-pyrimido[4,5-d]thiazolo[3,2-a] Pyrimidines. Journal of Chemical Research, 2016, 40, 600-603.	1.3	12
41	Synthesis of Some New Pyrimido[4,5-e]Tetrazolo[5,1-b][1,3,4]Thiadiazine Derivatives via an S <sub>N</sub> Type Smiles Rearrangement and their Antibacterial Evaluation. Journal of Chemical Research, 2016, 40, 628-632.	1.3	11
42	Synthesis and Density Functional Theory Study of [1,2,3]Triazolo[4,5-d][1,2,4] Triazolo[4,3-a]Pyrimidine Derivatives: A Novel Heterocyclic System. Journal of Chemical Research, 2016, 40, 633-636.	1.3	7
43	Synthesis and evaluation of cytotoxicity of 6-amino-4-aryl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carbonitriles. Russian Journal of Bioorganic Chemistry, 2016, 42, 316-322.	1.0	6
44	Synthesis of Oxazolo[5,4-d][1,2,4]triazolo[4,3-a]pyrimidines as a New Class of Heterocyclic Compounds. Journal of Heterocyclic Chemistry, 2016, 53, 832-839.	2.6	14
45	A Straightforward Approach for the Synthesis of Novel Derivatives of Benzo[b]pyrazolo[5,1-a:2,3]pyrimido[4,5-a][1,4]thiazine. Journal of Heterocyclic Chemistry, 2016, 53, 1231-1235.	2.6	13
46	Synthesis, Characterization, and Docking Evaluations of New Derivatives of Pyrimido[4,5-c]pyridazine as Potential Human AKT1 Inhibitors. Journal of Heterocyclic Chemistry, 2016, 53, 135-143.	2.6	3
47	Microwave-assisted synthesis and antibacterial evaluation of new derivatives of 1,2-dihydro-3H-pyrazolo[3,4-d]pyrimidin-3-one. Heterocyclic Communications, 2016, 22, 49-53.	1.2	0
48	Synthesis of New Derivatives of Pyridazino[6,1-c]Pyrimido[5,4-e][1,2,4]Triazine; a Novel Heterocyclic System. Journal of Chemical Research, 2016, 40, 44-46.	1.3	10
49	Synthesis of New Derivatives of Pyrazolo[4,3-e][1,2,4]Triazolo[4,3-c]Pyrimidine. Journal of Chemical Research, 2015, 39, 403-406.	1.3	14
50	Alternative Route for the Synthesis of New Derivatives of Benzimidazo[2,1-a:2,3]thiazolo[5,4-d]pyrimidine. Journal of Chemical Research, 2015, 39, 539-541.	1.3	1
51	Nano-sized NiLa <sub>2</sub> O <sub>4</sub> spinel NaBH <sub>4</sub> -mediated reduction of imines to secondary amines. Chinese Journal of Catalysis, 2015, 36, 1191-1196.	14.0	7
52	Dipyrimido[4,5-b:5,4-e][1,4]thiazine: synthesis and their enzyme inhibitory activity assessment on soybean 15-lipoxygenase. Journal of the Iranian Chemical Society, 2015, 12, 1501-1508.	2.2	15
53	Synthesis of [1,2,4]Triazolo[4,3-a:1,6-d]Pyrimido[4,5-a:3,4]Pyridazino[1,6-D] [1,2,4]Triazine; A Novel Tetracyclic System. Journal of Chemical Research, 2015, 39, 148-153.	1.3	6
54	Synthesis of [1,2,4]Triazolo[3,4-b]Pteridines as a Novel Class of Heterocyclic Compounds. Journal of Chemical Research, 2015, 39, 216-219.	1.3	5

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55	Synthesis and Spectral Characteristics of Novel Fluorescent Dyes Based on Pyrimido[4,5-d<i>f</i>]triazolo[4,3-a<i>f</i>]pyrimidine. <i>Helvetica Chimica Acta</i> , 2015, 98, 474-481.	1.6	6
56	Pyrimidooxadiazine and triazolopyrimidooxadiazine derivatives: Synthesis and cytotoxic evaluation in human cancer cell lines. <i>Russian Journal of Bioorganic Chemistry</i> , 2015, 41, 201-208.	1.0	8
57	Synthesis of Dihydrobenzo[b]pyrimido[4,5-e][1,4]Thiazepines; Derivatives of a Novel Ring System. <i>Journal of Chemical Research</i> , 2015, 39, 531-534.	1.3	14
58	Synthesis of Some Derivatives of Pyrimido[5,4-e]Tetrazolo[5,1-c][1,2,4]triazine; a Novel Heterocyclic System. <i>Journal of Chemical Research</i> , 2015, 39, 609-611.	1.3	5
59	Electrochemical and quantum chemical study of Thiazolo-pyrimidine derivatives as corrosion inhibitors on mild steel in 1M H <sub>2</sub> SO <sub>4</sub> . <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 112-121.	5.8	51
60	Synthesis of pyrimido[4,5-d,2,3][1,4]thiazepino[7,6-b<i>f</i>]quinolines, derivatives of a novel ring system. <i>Heterocyclic Communications</i> , 2014, 20, 275-279.	1.2	12
61	Synthesis, characterization and theoretical evaluations of HMDS promoted chemoselective O-alkylation of uracils. <i>Tetrahedron</i> , 2013, 69, 8470-8476.	1.9	7
62	Inhibitive assessment of 1-(7-methyl-5-morpholin-4-yl-thiazolo[4,5-d]pyrimidin-2-yl)-hydrazine as a corrosion inhibitor for mild steel in sulfuric acid solution. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 831-839.	2.2	9
63	Structure and vibrational analysis of methyl 3-amino-2-butenate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 102, 350-357.	3.9	18
64	Synthesis of new Derivatives of Pyrimido[5,4-e][1,2,4]triazolo[3,4-b][1,3,4]Thiadiazine and Their Enzyme Inhibitory Activity Assessment on Soybean 15-lipoxygenase. <i>Journal of Chemical Research</i> , 2013, 37, 48-50.	1.3	19
65	Synthesis and antibacterial evaluation of new heterocyclic system: [1,2,4]triazolo[3,4-d,6,1]pyridazino[4,3-c<i>e</i>][1,3,4]thiadiazine. <i>Heterocyclic Communications</i> , 2012, 18, 1.2 39-42.	1.2	16
66	P<sub>2</sub>O<sub>5</sub>/SiO<sub>2</sub> as an Efficient and Mild Catalyst for Trimethylsilylation of Alcohols Using Hexamethyldisilazane. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1435-1439.	0.6	2
67	Synthesis, characterization and application of nano-sized Co <sub>2</sub> CrO <sub>4</sub> spinel catalyst for selective oxidation of sulfides to sulfoxides. <i>Materials Research Bulletin</i> , 2012, 47, 413-418.	5.2	6
68	One-pot Synthesis of Benzimidazoles and Benzothiazoles in the Presence of Fe(HSO<sub>4</sub>)<sub>3</sub> as a New and Efficient Oxidant. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 515-518.	1.9	45
69	Fe(HSO<sub>4</sub>)<sub>3</sub> as an Efficient Catalyst for Diazotization and Diazo Coupling Reactions. <i>Journal of the Korean Chemical Society</i> , 2012, 56, 716-719.	0.2	28
70	Thiazolo[4,5-d]pyrimidines: synthesis and antibacterial evaluation. <i>Heterocyclic Communications</i> , 2011, 17, .	1.2	9
71	Synthesis and evaluation of antibacterial activity of new derivatives of pyrimido[4,5-e][1,3,4]oxadiazine. <i>Heterocyclic Communications</i> , 2011, 17, .	1.2	1
72	Synthesis and antibacterial evaluations of new pyridazino[4,3- <i>ee</i> ][1,3,4]oxadiazines. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 149-152.	2.6	16

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73	Synthesis of new derivatives of 3-aryl-1,5-dimethyl-1H-[1,2,4]triazolo[4,3- <i>b</i> ][1,3,4]oxadiazines as potential antiproliferative agents. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 183-187.	9.0	11
74	Preyssler-type heteropoly acid: A new, mild and efficient catalyst for protection of carbonyl compounds. <i>Chinese Chemical Letters</i> , 2011, 22, 435-438.	9.0	11
75	TiO <sub>2</sub> nanoparticles and Preyssler-type heteropoly acid modified nano-sized TiO <sub>2</sub> : A facile and efficient catalyst for the selective oxidation of sulfides to sulfones and sulfoxides. <i>Journal of Molecular Catalysis A</i> , 2010, 323, 59-64.	4.8	61
76	Selective and mild oxidation of sulfides to sulfoxides by H <sub>2</sub> O <sub>2</sub> using DBUH-Br <sub>3</sub> as catalyst. <i>Chinese Chemical Letters</i> , 2010, 21, 651-655.	9.0	13
77	Molecular iodine promoted synthesis of new pyrazolo[3,4- <i>d</i> ]pyrimidine derivatives as potential antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 647-650.	5.5	143
78	Synthesis and Anticancer Evaluation of New Derivatives of 3-Phenyl-1,5-Dimethyl-1H-[1,2,4]Triazolo[4,3- <i>b</i> ][1,3,4]Oxadiazine. <i>Journal of Chemical Research</i> , 2010, 34, 403-406.	1.3	12
79	Synthesis, Characterization and Structure of DBU-hydrobromide-perbromide: A Novel Oxidizing Agent for Selective Oxidation of Alcohols to Carbonyl Compounds. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 949-952.	1.9	11
80	Iodine catalysed synthesis and antibacterial evaluation of thieno-[2,3- <i>d</i> ]pyrimidine derivatives. <i>Journal of Chemical Research</i> , 2009, 2009, 653-655.	1.3	15
81	Vicarious nucleophilic substitution in nitro derivatives of imidazo[1,2- <i>a</i> ]pyridine. <i>Mendeleev Communications</i> , 2009, 19, 161-162.	1.6	16
82	Iodine-Catalyzed Synthesis of Spiroorthcarbonates under Neutral Conditions. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 1699-1700.	1.9	9
83	Clean heterocyclic synthesis in water: I <sub>2</sub> /KI catalyzed one-pot synthesis of quinazolin-4(3H)-ones. <i>Chinese Chemical Letters</i> , 2008, 19, 1403-1406.	9.0	57
84	Facile Synthesis of 2-Anilinopyrimido[4,5- <i>e</i> ]-[1,3,4]thiadiazines. <i>Heterocycles</i> , 2008, 75, 1745.	0.7	16
85	3,3,9,9-Tetramethyl-1,5,7,11-tetraoxaspiro[5.5]undecane as a reagent for protection of carbonyl compounds. <i>Journal of Chemical Research</i> , 2008, 2008, 704-706.	1.3	3
86	A general synthesis of pyridazino[4,3- <i>b</i> ][1,3,4]thiadiazines. <i>Journal of Sulfur Chemistry</i> , 2007, 28, 613-616.	2.0	6
87	Synthesis and mass spectral fragmentations of new spiro heterocycles. <i>Chinese Chemical Letters</i> , 2007, 18, 689-693.	9.0	7
88	One-pot Synthesis of 14H-dibenzo[ <i>a,j</i> ]xanthene and its 14-substituted Derivatives. <i>Journal of Chemical Research</i> , 2005, 2005, 277-279.	1.3	31
89	Synthesis of 14-Aryl-14H-7-thiadibenzo[ <i>a,j</i> ]anthracene. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2005, 180, 2443-2449.	1.6	1