Reza Aryan

List of Publications by Year
in descending order

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42 papers	749 citations	516710 16 h-index	552781 26 g-index
53 all docs	53 docs citations	53 times ranked	819 citing authors

#	Article	IF	Citations
1	Amino acid-based ionic liquid immobilized on Î±-Fe2O3-MCM-41: An efficient magnetic nanocatalyst and recyclable reaction media for the synthesis of quinazolin-4(3H)-one derivatives. Journal of Molecular Catalysis A, 2013, 374-375, 102-110.	4.8	80
2	Synthesis of New 2-Aryl Substituted 2,3-Dihydroquinazoline-4(1H)-ones Under Solvent-Free Conditions, Using Molecular Iodine as a Mild and Efficient Catalyst. Synthetic Communications, 2008, 38, 3567-3576.	2.1	76
3	A novel and efficient synthesis of pyrazolo[3,4-d]pyrimidine derivatives and the study of their anti-bacterial activity. Chinese Chemical Letters, 2013, 24, 629-632.	9.0	48
4	Clean one-pot synthesis of 1,2,4-oxadiazoles under solvent-free conditions using microwave irradiation and potassium fluoride as catalyst and solid support. Tetrahedron, 2010, 66, 494-497.	1.9	42
5	Zinc chloride catalyzed synthesis of 5-substituted 1H-tetrazoles under solvent free condition. Chinese Chemical Letters, 2009, 20, 1311-1314.	9.0	39
6	Dual Acidic Ionic Liquid Immobilized on Î±-Fe2O3â€“MCM-41 Magnetic Mesoporous Materials as the Hybrid Acidic Nanocatalyst for the Synthesis of Pyrimido[4,5-d]pyrimidine Derivatives. Catalysis Letters, 2014, 144, 1772-1783.	2.6	33
7	Green multicomponent synthesis, antimicrobial and antioxidant evaluation of novel 5-amino-isoxazole-4-carbonitriles. Chemistry Central Journal, 2018, 12, 114.	2.6	33
8	Aqueous NaHSO4 catalyzed regioselective and versatile synthesis of 2-thiazolamines. Monatshefte FÃ¼r Chemie, 2008, 139, 1241-1245.	1.8	29
9	Solventâ€free chemoselective synthesis of some novel substituted 2â€arylbenzimidazoles using amino acidâ€based prolinium nitrate ionic liquid as catalyst. Journal of Heterocyclic Chemistry, 2009, 46, 74-78.	2.6	29
10	Very fast and efficient synthesis of some novel substituted 2-arylbenzimidazoles in water using ZrOCl2Â·nH2O on montmorillonite K10 as catalyst. Monatshefte FÃ¼r Chemie, 2009, 140, 547-552.	1.8	26
11	Aqueous 1ÂM Glucose Solution as a Novel and Fully Green Reaction Medium and Catalyst for the Oxidant-Free Synthesis of 2-Arylbenzimidazoles. Synthetic Communications, 2011, 41, 1794-1804.	2.1	23
12	An efficient oneâ€pot procedure for the preparation of 1,3,4â€thiadiazoles in ionic liquid [bmim]BF₄ as dual solvent and catalyst. Heteroatom Chemistry, 2008, 19, 320-324.	0.7	21
13	TBAOH Mediated: An Efficient and Simple Procedure for Alkylation of Alcohols, Phenols and Thiols Under Neat Aqueous Conditions. Letters in Organic Chemistry, 2014, 11, 321-326.	0.5	20
14	Synthesis and in vitro antibacterial evaluation of 6-substituted 4-amino-pyrazolo[3,4-d]pyrimidines. Chemical Papers, 2017, 71, 1685-1691.	2.2	20
15	Simple synthesis, structure and ab initio study of 1,4-benzodiazepine-2,5-diones. Journal of Molecular Structure, 2004, 692, 37-42.	3.6	19
16	Expedient multicomponent synthesis of a small library of some novel highly substituted pyrido[2,3-d]pyrimidine derivatives mediated and promoted by deep eutectic solvent and in vitro and quantum mechanical study of their antibacterial and antifungal activities. Molecular Diversity, 2019, 23, 93-105.	3.9	18
17	A green one-pot synthesis of 3(5)-substituted 1,2,4-triazol-5(3)-amines as potential antimicrobial agents. Journal of the Iranian Chemical Society, 2019, 16, 2565-2573.	2.2	18
18	Synthesis, antimicrobial and antioxidant evaluation, and molecular docking study of 4,5-disubstituted 1,2,4-triazole-3-thiones. Journal of Molecular Structure, 2020, 1215, 128273.	3.6	17

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19	Evaluation and structure-activity relationship analysis of a new series of 4-imino-5H-pyrazolo[3,4-d]pyrimidin-5-amines as potential antibacterial agents. Journal of Molecular Structure, 2017, 1144, 273-279.	3.6	15
20	Green One-pot Synthesis of Novel Polysubstituted Pyrazole Derivatives as Potential Antimicrobial Agents. Acta Chimica Slovenica, 2017, 64, 911-918.	0.6	15
21	MgO Nanoparticle-Catalyzed Synthesis and Broad-Spectrum Antibacterial Activity of Imidazolidine- and Tetrahydropyrimidine-2-Thione Derivatives. Applied Biochemistry and Biotechnology, 2018, 184, 291-302.	2.9	14
22	One-Pot Synthesis of 3,5-Disubstituted 1,2,4-Oxadiazoles Directly from Nitrile and Hydroxylamine Hydrochloride Under Solvent-Free Conditions Using Potassium Fluoride as Catalyst and Solid Support. Synthetic Communications, 2010, 40, 3084-3092.	2.1	13
23	MgO nanoparticle-catalyzed, solvent-free Hantzsch synthesis and antibacterial evaluation of new substituted thiazoles. Journal of the Iranian Chemical Society, 2017, 14, 1023-1031.	2.2	13
24	Novel biocompatible glucose-based deep eutectic solvent as recyclable medium and promoter for expedient multicomponent green synthesis of diverse three and four substituted pyrazole-4-carbonitrile derivatives. Research on Chemical Intermediates, 2017, 43, 4731-4744.	2.7	12
25	Ultrasound-assisted, low-solvent and acid/base-free synthesis of 5-substituted 1,3,4-oxadiazole-2-thiols as potent antimicrobial and antioxidant agents. Molecular Diversity, 2021, 25, 2367-2378.	3.9	11
26	Secondary amines immobilized inside magnetic mesoporous materials as a recyclable basic and oxidative heterogeneous nanocatalyst for the synthesis of trisubstituted pyrimidine derivatives. Research on Chemical Intermediates, 2016, 42, 4417-4431.	2.7	10
27	A mild and highly efficient method for the synthesis of 5â€arylâ€(‹i›N‹/i›â€phenylâ€)6‹i›H‹/i›â€1,3,4â€thiadiazinâ€2â€aminium salts using reusable heterogeneous catalysts. Journal of Heterocyclic Chemistry, 2008, 45, 1761-1764.	1.4	6
28	A New Facile, High Yielding and Efficient Protocol for the Synthesis of Novel 4-Phenylsulfonamido-6-Aryl-2-Phenylpyrimidine-5-Carbonitrile Derivatives. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 1994-2004.	1.6	6
29	Design and synthesis of novel natural clinoptilolite-MnFe2O4 nanocomposites and their catalytic application in the facile and efficient synthesis of chalcone derivatives through Claisen-Schmidt reaction. Research on Chemical Intermediates, 2018, 44, 4245-4258.	2.7	6
30	A Facile Synthesis of New Pyrazolo[3,4â€‹d‹/i›]pyrimidine Derivatives ‹i›via‹/i› a Oneâ€Pot Fourâ€Component Reaction with Sodium Acetate Supported on Basic Alumina as Promoter. Helvetica Chimica Acta, 2013, 96, 2267-2275.	1.6	5
31	A Combined Synthetic and DFT Study on the Catalyst-Free and Solvent-Assisted Synthesis of 1,3,4-Oxadiazole-2-thiol Derivatives. Journal of Chemistry, 2013, 2013, 1-6.	1.9	5
32	Synthesis of N2-arylaminopyrimidine-5-carbonitrile derivatives via SNAr amination reaction. Chinese Chemical Letters, 2015, 26, 152-156.	9.0	5
33	A convenient and efficient process for the manufacture of benzenesulfonic acid, 2-((4-amino-3-bromo-9,10-dihydro-9,10-dioxo-1-anthracenyl)amino)-5-methyl monosodium salt (C.I. Acid) Tj ETQq1 1 0.784314 rgBT /	1.7	4
34	Efficient synthesis of 1,3,4â€thiadiazoles using hydrogen bond donor (thio)urea derivatives as organocatalysts. Journal of Heterocyclic Chemistry, 2010, 47, 616-623.	2.6	4
35	Novel one-pot process for the synthesis of ethyl 2-imino-4-methyl-2,3-dihydrothiazole-5-carboxylates. Journal of the Serbian Chemical Society, 2015, 80, 453-458.	0.8	3
36	Facile Synthesis of Some Novel Tetrasubstituted 2,4â€Diaminopyrimidine Derivatives in Aqueous Glucose Solution as a Fully Green Medium and Promoter. Journal of Heterocyclic Chemistry, 2016, 53, 1963-1969.	2.6	3

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37	Green aqueous synthesis and antimicrobial evaluation of 3,5-disubstituted 1,2,4-triazoles. Chemistry of Heterocyclic Compounds, 2020, 56, 482-487.	1.2	3
38	Synthesis and In Vitro Antibacterial Evaluation of Schiff Bases Derived FROM 2-Chloro-3-Quinolinecarboxaldehyde. Avicenna Journal of Medical Biochemistry, 2019, 7, 9-15.	0.3	3
39	Synthesis of New Imidazolidine and Tetrahydropyrimidine Derivatives. Advances in Chemistry, 2014, 2014, 1-4.	1.1	2
40	Experimental and ab initio study on structures and internal barriers to rotation in Î±-stannyl, germanium, and silicon carbamates. Journal of Molecular Structure, 2009, 920, 409-413.	3.6	0
41	Multicomponent Solvent-Free Synthesis, Antibacterial Evaluation and QSAR Study of 2-(Bis(benzylthio)methylene) malononitriles. Acta Chimica Slovenica, 2018, 65, 757-767.	0.6	0
42	Multicomponent Solvent-Free Synthesis, Antibacterial Evaluation and QSAR Study of 2-(Bis(benzylthio)methylene) malononitriles. Acta Chimica Slovenica, 2018, 65, 757-767.	0.6	0