

Reza Aryan

List of Publications by Year in descending order

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42
papers

749
citations

516710

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53
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ultrasound-assisted, low-solvent and acid/base-free synthesis of 5-substituted 1,3,4-oxadiazole-2-thiols as potent antimicrobial and antioxidant agents. <i>Molecular Diversity</i> , 2021, 25, 2367-2378.	3.9	11
2	Green aqueous synthesis and antimicrobial evaluation of 3,5-disubstituted 1,2,4-triazoles. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 482-487.	1.2	3
3	Synthesis, antimicrobial and antioxidant evaluation, and molecular docking study of 4,5-disubstituted 1,2,4-triazole-3-thiones. <i>Journal of Molecular Structure</i> , 2020, 1215, 128273.	3.6	17
4	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. <i>Molecular Diversity</i> , 2019, 23, 93-105.	3.9	18
5	A green one-pot synthesis of 3(5)-substituted 1,2,4-triazol-5(3)-amines as potential antimicrobial agents. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2565-2573.	2.2	18
6	Synthesis and In Vitro Antibacterial Evaluation of Schiff Bases Derived FROM 2-Chloro-3-Quinolinecarboxaldehyde. <i>Avicenna Journal of Medical Biochemistry</i> , 2019, 7, 9-15.	0.3	3
7	Design and synthesis of novel natural clinoptilolite-MnFe ₂ O ₄ nanocomposites and their catalytic application in the facile and efficient synthesis of chalcone derivatives through Claisen-Schmidt reaction. <i>Research on Chemical Intermediates</i> , 2018, 44, 4245-4258.	2.7	6
8	MgO Nanoparticle-Catalyzed Synthesis and Broad-Spectrum Antibacterial Activity of Imidazolidine- and Tetrahydropyrimidine-2-Thione Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 291-302.	2.9	14
9	Green multicomponent synthesis, antimicrobial and antioxidant evaluation of novel 5-amino-isoxazole-4-carbonitriles. <i>Chemistry Central Journal</i> , 2018, 12, 114.	2.6	33
10	Multicomponent Solvent-Free Synthesis, Antibacterial Evaluation and QSAR Study of 2-(Bis(benzylthio)methylene) malononitriles. <i>Acta Chimica Slovenica</i> , 2018, 65, 757-767.	0.6	0
11	Multicomponent Solvent-Free Synthesis, Antibacterial Evaluation and QSAR Study of 2-(Bis(benzylthio)methylene) malononitriles. <i>Acta Chimica Slovenica</i> , 2018, 65, 757-767.	0.6	0
12	MgO nanoparticle-catalyzed, solvent-free Hantzsch synthesis and antibacterial evaluation of new substituted thiazoles. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1023-1031.	2.2	13
13	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. <i>Research on Chemical Intermediates</i> , 2017, 43, 4731-4744.	2.7	12
14	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. <i>Journal of Molecular Structure</i> , 2017, 1144, 273-279.	3.6	15
15	Synthesis and in vitro antibacterial evaluation of 6-substituted 4-amino-pyrazolo[3,4-d]pyrimidines. <i>Chemical Papers</i> , 2017, 71, 1685-1691.	2.2	20
16	Green One-pot Synthesis of Novel Polysubstituted Pyrazole Derivatives as Potential Antimicrobial Agents. <i>Acta Chimica Slovenica</i> , 2017, 64, 911-918.	0.6	15
17	Facile Synthesis of Some Novel Tetrasubstituted 2,4-Diaminopyrimidine Derivatives in Aqueous Glucose Solution as a Fully Green Medium and Promoter. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1963-1969.	2.6	3
18	Secondary amines immobilized inside magnetic mesoporous materials as a recyclable basic and oxidative heterogeneous nanocatalyst for the synthesis of trisubstituted pyrimidine derivatives. <i>Research on Chemical Intermediates</i> , 2016, 42, 4417-4431.	2.7	10

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19	Novel one-pot process for the synthesis of ethyl 2-imino-4-methyl-2,3-dihydrothiazole-5-carboxylates. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 453-458.	0.8	3
20	A New Facile, High Yielding and Efficient Protocol for the Synthesis of Novel 4-Phenylsulfonamido-6-Aryl-2-Phenylpyrimidine-5-Carbonitrile Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 1994-2004.	1.6	6
21	Synthesis of N2-arylaminopyrimidine-5-carbonitrile derivatives via SNAr amination reaction. <i>Chinese Chemical Letters</i> , 2015, 26, 152-156.	9.0	5
22	Synthesis of New Imidazolidine and Tetrahydropyrimidine Derivatives. <i>Advances in Chemistry</i> , 2014, 2014, 1-4.	1.1	2
23	Dual Acidic Ionic Liquid Immobilized on γ -Fe ₂ O ₃ @MCM-41 Magnetic Mesoporous Materials as the Hybrid Acidic Nanocatalyst for the Synthesis of Pyrimido[4,5-d]pyrimidine Derivatives. <i>Catalysis Letters</i> , 2014, 144, 1772-1783.	2.6	33
24	TBAOH Mediated: An Efficient and Simple Procedure for Alkylation of Alcohols, Phenols and Thiols Under Neat Aqueous Conditions. <i>Letters in Organic Chemistry</i> , 2014, 11, 321-326.	0.5	20
25	A novel and efficient synthesis of pyrazolo[3,4-d]pyrimidine derivatives and the study of their anti-bacterial activity. <i>Chinese Chemical Letters</i> , 2013, 24, 629-632.	9.0	48
26	Amino acid-based ionic liquid immobilized on γ -Fe ₂ O ₃ -MCM-41: An efficient magnetic nanocatalyst and recyclable reaction media for the synthesis of quinazolin-4(3H)-one derivatives. <i>Journal of Molecular Catalysis A</i> , 2013, 374-375, 102-110.	4.8	80
27	A Facile Synthesis of New Pyrazolo[3,4-d]pyrimidine Derivatives via a One-Pot Four-Component Reaction with Sodium Acetate Supported on Basic Alumina as Promoter. <i>Helvetica Chimica Acta</i> , 2013, 96, 2267-2275.	1.6	5
28	A Combined Synthetic and DFT Study on the Catalyst-Free and Solvent-Assisted Synthesis of 1,3,4-Oxadiazole-2-thiol Derivatives. <i>Journal of Chemistry</i> , 2013, 2013, 1-6.	1.9	5
29	Aqueous 1 M Glucose Solution as a Novel and Fully Green Reaction Medium and Catalyst for the Oxidant-Free Synthesis of 2-Arylbenzimidazoles. <i>Synthetic Communications</i> , 2011, 41, 1794-1804.	2.1	23
30	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. <i>Synthetic Communications</i> , 2010, 40, 3084-3092.	2.1	13
31	Clean one-pot synthesis of 1,2,4-oxadiazoles under solvent-free conditions using microwave irradiation and potassium fluoride as catalyst and solid support. <i>Tetrahedron</i> , 2010, 66, 494-497.	1.9	42
32	Efficient synthesis of 1,3,4-thiadiazoles using hydrogen bond donor (thio)urea derivatives as organocatalysts. <i>Journal of Heterocyclic Chemistry</i> , 2010, 47, 616-623.	2.6	4
33	Solvent-free chemoselective synthesis of some novel substituted 2-arylbenzimidazoles using amino acid-based prolinium nitrate ionic liquid as catalyst. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 74-78.	2.6	29
34	Very fast and efficient synthesis of some novel substituted 2-arylbenzimidazoles in water using ZrOCl ₂ ·nH ₂ O on montmorillonite K10 as catalyst. <i>Monatshefte für Chemie</i> , 2009, 140, 547-552.	1.8	26
35	Experimental and ab initio study on structures and internal barriers to rotation in γ -stannyl, germanium, and silicon carbamates. <i>Journal of Molecular Structure</i> , 2009, 920, 409-413.	3.6	0
36	Zinc chloride catalyzed synthesis of 5-substituted 1H-tetrazoles under solvent free condition. <i>Chinese Chemical Letters</i> , 2009, 20, 1311-1314.	9.0	39

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37	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 3170.7843 14 rgBT /Dv	1.7	14
38	Aqueous NaHSO ₄ catalyzed regioselective and versatile synthesis of 2-thiazolamines. Monatshefte für Chemie, 2008, 139, 1241-1245.	1.8	29
39	A mild and highly efficient method for the synthesis of 5-arylamino-6-phenyl-1,3,4-thiadiazin-2-aminium salts using reusable heterogeneous catalysts. Journal of Heterocyclic Chemistry, 2008, 45, 1761-1764.	2.1	6
40	An efficient one-pot procedure for the preparation of 1,3,4-thiadiazoles in ionic liquid [bmim]BF ₄ as dual solvent and catalyst. Heteroatom Chemistry, 2008, 19, 320-324.	0.7	21
41	Synthesis of New 2-Aryl Substituted 2,3-Dihydroquinazoline-4(1 <i>H</i>)-ones Under Solvent-Free Conditions, Using Molecular Iodine as a Mild and Efficient Catalyst. Synthetic Communications, 2008, 38, 3567-3576.	2.1	76
42	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