Mohammad Ali Zolfigol

List of Publications by Citations

428 papers	12,104 citations	50 h-index	81 g-index
537 ext. papers	13,360 ext. citations	3.3 avg, IF	6.78 L-index

#	Paper	IF	Citations
428	Bis- and trisindolylmethanes (BIMs and TIMs). *Chemical Reviews*, **2010**, 110, 2250-93	68.1	429
427	Silica sulfuric acid/NaNO2 as a novel heterogeneous system for production of thionitrites and disulfides under mild conditions. *Tetrahedron*, **2001**, 57, 9509-9511	2.4	358
426	Silica sulfuric acid: an efficient and reusable catalyst for the one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones. *Tetrahedron Letters*, **2003**, 44, 2889-2891	2	298
425	Silica Sulfuric Acid and Silica Chloride as Efficient Reagents for Organic Reactions. *Current Organic Chemistry*, **2006**, 10, 2171-2189	1.7	195
424	Rapid synthesis of 1-amidoalkyl-2-naphthols over sulfonic acid functionalized imidazolium salts. *Applied Catalysis A: General*, **2011**, 400, 70-81	5.1	184
423	Hantzsch reaction on free nano-Fe2O3 catalyst: excellent reactivity combined with facile catalyst recovery and recyclability. *Chemical Communications*, **2011**, 47, 9230-2	5.8	154
422	Selective synthesis of 2-aryl-1-arylmethyl-1H-1,3-benzimidazoles in water at ambient temperature. *Tetrahedron Letters*, **2006**, 47, 2557-2560	2	134
421	A Magnetic Particle-Supported Sulfonic Acid Catalyst: Tuning Catalytic Activity between Homogeneous and Heterogeneous Catalysis. *Advanced Synthesis and Catalysis*, **2012**, 354, 2001-2008	5.6	131
420	A highly stable and active magnetically separable Pd nanocatalyst in aqueous phase heterogeneously catalyzed couplings. *Green Chemistry*, **2013**, 15, 2132	10	125
419	Ionic liquid triethylamine-bonded sulfonic acid {[Et3N□SO3H]Cl} as a novel, highly efficient and homogeneous catalyst for the synthesis of □-acetamido ketones, 1,8-dioxo-octahydroxanthenes and 14-aryl-14H-dibenzo[a,j]xanthenes. *Journal of Molecular Liquids*, **2012**, 167, 69-77	6	122
418	Ionic Liquid 3-Methyl-1-sulfonic Acid Imidazolium Chloride as a Novel and Highly Efficient Catalyst for the Very Rapid Synthesis of bis(Indolyl)methanes under Solvent-free Conditions. *Organic Preparations and Procedures International*, **2010**, 42, 95-102	1.1	105
417	Surfactant-type catalysts in organic reactions. *Tetrahedron*, **2009**, 65, 587-598	2.4	105
416	A Novel Method for the One-Pot Three-Component Synthesis of 2,3-Dihydroquinazolin-4(1H)-ones. *Synlett*, **2005**, 2005, 1155-1157	2.2	105
415	Synthesis of 1,4-Dihydropyridines under Solvent-free Conditions. *Synlett*, **2004**, 2004, 0827-0828	2.2	103
414	Silica modified sulfuric acid/NaNO2 as a novel heterogeneous system for the oxidation of 1,4-dihydropyridines under mild conditions. *Green Chemistry*, **2002**, 4, 562-564	10	103
413	Silica sulfuric acid: An efficient reusable heterogeneous catalyst for the synthesis of 2,3-dihydroquinazolin-4(1H)-ones in water and under solvent-free conditions. *Catalysis Communications*, **2008**, 9, 785-788	3.2	100
412	Synthesis, characterization and application of ionic liquid 1,3-disulfonic acid imidazolium hydrogen sulfate as an efficient catalyst for the preparation of hexahydroquinolines. *Journal of Molecular Liquids*, **2013**, 178, 113-121	6	97

411	Preparation of various xanthene derivatives over sulfonic acid functionalized imidazolium salts (SAFIS) as novel, highly efficient and reusable catalysts. *Comptes Rendus Chimie*, **2012**, 15, 719-736	2.7	94
410	Application of Modified Silica Coated Magnetite Nanoparticles for Removal of Iodine from Water Samples. *Nano-Micro Letters*, **2012**, 4, 57-63	19.5	87
409	Catalytic oxidation of sulfides to sulfoxides using sodium perborate and/or sodium percarbonate and silica sulfuric acid in the presence of KBr. *Catalysis Communications*, **2009**, 10, 1257-1260	3.2	87
408	Design, characterization and application of new ionic liquid 1-sulfopyridinium chloride as an efficient catalyst for tandem Knoevenagel–Michael reaction of 3-methyl-1-phenyl-1H-pyrazol-5(4H)-one with aldehydes. *Applied Catalysis A: General*, **2013**, 467, 61-68	5.1	86
407	Organocatalyst trityl chloride efficiently promoted the solvent-free synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[a]-xanthen-11-ones by in situ formation of carbocationic system in neutral media. *Catalysis Communications*, **2012**, 20, 54-57	3.2	85
406	Synthesis of pyranopyrazoles using isonicotinic acid as a dual and biological organocatalyst. *RSC Advances*, **2013**, 3, 25681	3.7	85
405	Experimental and theoretical studies of the nanostructured {Fe3O4@SiO2@(CH2)3Im}C(CN)3 catalyst for 2-amino-3-cyanopyridine preparation via an anomeric based oxidation. *RSC Advances*, **2016**, 6, 50100-50111	3.7	80
404	Trityl chloride as an efficient organic catalyst for the synthesis of 1-amidoalkyl-2-naphtols in neutral media at room temperature. *Applied Catalysis A: General*, **2010**, 386, 179-187	5.1	80
403	Preparation of 4,4?-(arylmethylene)-bis(3-methyl-1-phenyl-1H-pyrazol-5-ol)s over 1,3-disulfonic acid imidazolium tetrachloroaluminate as a novel catalyst. *RSC Advances*, **2012**, 2, 8010	3.7	74
402	Separation, preconcentration and determination of silver ion from water samples using silica gel modified with 2,4,6-trimorpholino-1,3,5-triazin. *Journal of Hazardous Materials*, **2006**, 128, 67-72	12.8	72
401	Chemo and homoselective catalytic oxidation of sulfides to sulfoxides with supported nitric acid on silica gel and poly vinyl pyrrolidone (PVP) catalyzed by KBr and/or NaBr. *Catalysis Communications*, **2008**, 9, 1739-1744	3.2	71
400	Poly(N-bromobenzene-1,3-disulfonamide) and N,N,N?,N?-tetrabromobenzene-1,3-disulfonamide as novel catalytic reagents for silylation of alcohols, phenols, and thiols using hexamethyldisilazane. *Tetrahedron Letters*, **2006**, 47, 4505-4508	2	71
399	A new approach to the facile synthesis of mono- and disubstituted quinazolin-4(3H)-ones under solvent-free conditions. *Tetrahedron Letters*, **2005**, 46, 7051-7053	2	70
398	Silica Sulfuric Acid as an Efficient and Reusable Catalyst for the Pechmann Synthesis of Coumarins under Solvent-Free Conditions. *Heterocycles*, **2007**, 71, 677	0.8	67
397	1,3-Dibromo-5,5-Dimethylhydantoin [DBDMH] as an Efficient and Selective Agent for the Oxidation of Thiols to Disulfides in Solution or under Solvent-Free Conditions. *Synthesis*, **2004**, 2004, 2959-2961	2.9	67
396	A new catalytic method for the preparation of bis-indolyl and tris-indolyl methanes in aqueous media. *Catalysis Communications*, **2007**, 8, 173-178	3.2	66
395	Tandem Knoevenagel–Michael-cyclocondensation reactions of malononitrile, various aldehydes and dimedone using acetic acid functionalized ionic liquid. *New Journal of Chemistry*, **2014**, 38, 2342	3.6	65
394	Design of ionic liquid 1,3-disulfonic acid imidazolium hydrogen sulfate as a dual-catalyst for the one-pot multi-component synthesis of 1,2,4,5-tetrasubstituted imidazoles. *Journal of Industrial and Engineering Chemistry*, **2013**, 19, 721-726	6.3	65

393	Tandem Knoevenagel–Michael–cyclocondensation reaction of malononitrile, various aldehydes and 2-naphthol over acetic acid functionalized ionic liquid. *Chemical Engineering Journal*, **2014**, 248, 122-127	14.7	64
392	Extractive desulfurization of liquid fuel by using a green, neutral and task specific phosphonium ionic liquid with glyceryl moiety: A joint experimental and computational study. *Fuel*, **2017**, 208, 214-222	7.1	64
391	The first urea-based ionic liquid-stabilized magnetic nanoparticles: an efficient catalyst for the synthesis of bis(indolyl)methanes and pyrano[2,3-d]pyrimidinone derivatives. *Applied Organometallic Chemistry*, **2016**, 30, 273-281	3.1	63
390	Facile preparation of a nanostructured functionalized catalytically active organosalt. *Journal of Materials Chemistry A*, **2014**, 2, 770-777	13	63
389	Discovery of an in situ carbocationic system using trityl chloride as a homogeneous organocatalyst for the solvent-free condensation of 2-naphthol with aldehydes and amides/thioamides/alkyl carbamates in neutral media. *Tetrahedron*, **2013**, 69, 212-218	2.4	62
388	Silica Sulfuric Acid/NaNO2as a Novel Heterogeneous System for the Chemoselective N-Nitrosationof Secondary Amines under Mild Conditions. *Synlett*, **2002**, 2002, 1621-1624	2.2	62
387	Synthesis of 6-amino-4-(4-methoxyphenyl)-5-cyano-3-methyl-1-phenyl-1,4-dihydropyrano[2,3-c]pyrazoles using disulfonic acid imidazolium chloroaluminate as a dual and heterogeneous catalyst. *New Journal of Chemistry*, **2013**, 37, 4089	3.6	59
386	Catalytic applications of {[HMIM]C(NO2)3}: as a nano ionic liquid for the synthesis of pyrazole derivatives under green conditions and a mechanistic investigation with a new approach. *RSC Advances*, **2015**, 5, 75555-75568	3.7	58
385	Trichloroisocyanuric acid (TCCA) as a mild and efficient catalyst for the trimethylsilylation of alcohols and phenols with hexamethyldisilazane (HMDS) under heterogonous conditions. *Catalysis Communications*, **2007**, 8, 543-547	3.2	58
384	Synthesis of hexahydroquinolines using the new ionic liquid sulfonic acid functionalized pyridinium chloride as a catalyst. *Chinese Journal of Catalysis*, **2013**, 34, 1936-1944	11.3	56
383	A task-specific phosphonium ionic liquid as an efficient extractant for green desulfurization of liquid fuel: An experimental and computational study. *Chemical Engineering Journal*, **2016**, 295, 500-508	14.7	55
382	Applications of a novel nano magnetic catalyst in the synthesis of 1,8-dioxo-octahydroxanthene and dihydropyrano[2,3-c]pyrazole derivatives. *Journal of Molecular Catalysis A*, **2016**, 418-419, 54-67		52
381	Advances in the application of N2O4/NO2 in organic reactions. *Tetrahedron*, **2010**, 66, 9077-9106	2.4	52
380	Preparation, characterization and application of ionic liquid sulfonic acid functionalized pyridinium chloride as an efficient catalyst for the solvent-free synthesis of 12-aryl-8,9,10,12-tetrahydrobenzo[a]-xanthen-11-ones. *Journal of Molecular Liquids*, **2013**, 186, 63-69	6	51
379	Trichloroisocyanuric acid as a novel oxidizing agent for the oxidation of 1,3,5-trisubstituted pyrazolines under both heterogeneous and solvent free conditions. *Tetrahedron Letters*, **2004**, 45, 2181-2183	2	51
378	Efficient and Chemoselective N-Nitrosation of Secondary Amines Under Mild and Heterogeneous Conditions with Sodium Nitrite and Oxalic Acid Two Hydrate. *Synthetic Communications*, **1999**, 29, 905-910	1.7	50
377	Synthesis of 1,2,4,5-tetrasubstituted imidazoles using 2,6-dimethylpyridinium trinitromethanide {[2,6-DMPyH]C(NO2)3} as a novel nanostructured molten salt and green catalyst. *RSC Advances*, **2015**, 5, 32933-32940	3.7	49
376	C(sp2)–C(sp2) cross coupling reaction catalyzed by a water-stable palladium complex supported onto nanomagnetite particles. *New Journal of Chemistry*, **2015**, 39, 439-444	3.6	49

375	Nano-titania sulfuric acid-promoted synthesis of tetrahydrobenzo[b]pyran and 1,4-dihydropyrano[2,3-c]pyrazole derivatives under ultrasound irradiation. *Journal of the Iranian Chemical Society*, **2014**, 11, 1223-1230	2	48
374	Synthesis of 2,4,6-Triarylpyridines Using ZrOCl2 under Solvent-Free Condi□tions. *Synlett*, **2014**, 25, 193-196	2.2	48
373	A catalytic and green procedure for Friedlander quinoline synthesis in aqueous media. *Catalysis Communications*, **2007**, 8, 1214-1218	3.2	47
372	Solid-phase extraction method for preconcentration of trace amounts of some metal ions in environmental samples using silica gel modified by 2,4,6-trimorpholino-1,3,5-triazin. *Journal of Hazardous Materials*, **2008**, 160, 468-72	12.8	47
371	An eco-friendly procedure for the synthesis of polysubstituted quinolines under aqueous media. *Journal of Molecular Catalysis A*, **2006**, 259, 253-258		47
370	The use of Nafion-H□ /NaNO2 as an efficient procedure for the chemoselective N-nitrosation of secondary amines under mild and heterogeneous conditions. *Tetrahedron Letters*, **2003**, 44, 3345-3349	2	47
369	Synthesis and characterization of a novel magnetic nano-palladium Schiff base complex: application in cross-coupling reactions. *Applied Organometallic Chemistry*, **2016**, 30, 612-618	3.1	47
368	Solvent-Free Condensation of Phenols with Aldehydes and Amides Using 3-Methyl-1-sulfonic Acid Imidazolium Chloride. *Synlett*, **2014**, 25, 1173-1177	2.2	46
367	Synthesis of the first nano ionic liquid 1-methylimidazolium trinitromethanide {[HMIM]C(NO2)3} and its catalytic use for Hanztsch four-component condensation. *RSC Advances*, **2014**, 4, 57662-57670	3.7	45
366	C(sp2)□C(sp2) cross coupling reactions catalyzed by an active and highly stable magnetically separable Pd-nanocatalyst in aqueous media. *RSC Advances*, **2014**, 4, 40036	3.7	45
365	Silica sulfuric acid as an efficient and reusable reagent for crossed-aldol condensation of ketones with aromatic aldehydes under solvent-free conditions. *Journal of the Brazilian Chemical Society*, **2004**, 15, 773-776	1.5	45
364	N-nitrosation of secondary amines with [NO+.Crown.H(NO)(3)-2]. *Journal of Organic Chemistry*, **2001**, 66, 3619-20	4.2	45
363	Catalytic application of 1-(carboxymethyl)pyridinium iodide on the synthesis of pyranopyrazole derivatives. *Journal of Molecular Catalysis A*, **2016**, 415, 144-150		44
362	Silica chloride/NaNO2 as a novel heterogeneous system for the oxidation of urazoles under mild conditions. *Tetrahedron*, **2001**, 57, 8381-8384	2.4	44
361	Synthesis and characterization of two novel biological-based nano organo solid acids with urea moiety and their catalytic applications in the synthesis of 4,4?-(arylmethylene)bis(1H-pyrazol-5-ol), coumarin-3-carboxylic acid and cinnamic acid derivatives under mild and green conditions. *RSC Advances*, **2015**, 5, 71942-71954	3.7	43
360	Silica vanadic acid [SiO2□VO(OH)2] as an efficient heterogeneous catalyst for the synthesis of 1,2-dihydro-1-aryl-3H-naphth[1,2-e][1,3]oxazin-3-one and 2,4,6-triarylpyridine derivatives via anomeric based oxidation. *RSC Advances*, **2015**, 5, 100546-100559	3.7	43
359	Novel magnetic nanoparticles with ionic liquid tags as a reusable catalyst in the synthesis of polyhydroquinolines. *RSC Advances*, **2016**, 6, 82842-82853	3.7	43
358	Zirconium Tetrakis(dodecyl Sulfate) [Zr(DS)4] as an Efficient Lewis Acid□Surfactant Combined Catalyst for the Synthesis of Quinoxaline Derivatives in Aqueous Media. *Synthetic Communications*, **2009**, 39, 569-579	1.7	43

357	Silica sulfuric acid: A versatile and reusable heterogeneous catalyst for the synthesis of oxazolines and imidazolines under various reaction conditions. *Catalysis Communications*, **2008**, 9, 894-901	3.2	43
356	N,2-Dibromo-6-chloro-3,4-dihydro-2H-benzo[e][1,2,4]thiadiazine-7-sulfonamide 1,1-dioxide: an efficient and homogeneous catalyst for one-pot synthesis of 4H-pyran, pyranopyrazole and pyrazolo[1,2-b]phthalazine derivatives under aqueous media. *RSC Advances*, **2015**, 5, 71402-71412	3.7	42
355	{[K.18-Crown-6]Br3}n: a unique tribromide-type and columnar nanotube-like structure for the oxidative coupling of thiols and bromination of some aromatic compounds. *Tetrahedron Letters*, **2007**, 48, 7969-7973	2	42
354	4-Phenyl-1,2,4-triazole-3,5-dione as a novel and reusable reagent for the aromatization of 1,4-dihydropyridines under mild conditions. *Tetrahedron Letters*, **2005**, 46, 5581-5584	2	42
353	Trityl chloride promoted the synthesis of 3-(2,6-diarylpyridin-4-yl)-1H-indoles and 2,4,6-triarylpyridines by in situ generation of trityl carbocation and anomeric based oxidation in neutral media. *Canadian Journal of Chemistry*, **2016**, 94, 626-630	0.9	42
352	Fe3O4@TiO2@O2PO2(CH2)NHSO3H as a novel nanomagnetic catalyst: Application to the preparation of 2-amino-4,6-diphenylnicotinonitriles via anomeric-based oxidation. *Applied Organometallic Chemistry*, **2017**, 31, e3598	3.1	41
351	An Efficient Method for the Oxidation of Hantzsch 1,4-Dihydropyridines to their Corresponding Pyridine Derivatives Under Mild and Heterogeneous Conditions. *Synthetic Communications*, **2000**, 30, 551-558	1.7	41
350	SBA-15/PrN(CH2PO3H2)2 as a novel and efficient mesoporous solid acid catalyst with phosphorous acid tags and its application on the synthesis of new pyrimido[4,5-b]quinolones and pyrido[2,3-d]pyrimidines via anomeric based oxidation. *Microporous and Mesoporous Materials*, **2020**	5.3	40
349	Synthesis of a novel dendrimer core of oxo-vanadium phthalocyanine magnetic nano particles: as an efficient catalyst for the synthesis of 3,4-dihydropyrano[c]chromenes derivatives under green condition. *RSC Advances*, **2015**, 5, 102340-102349	3.7	39
348	Synthesis and characterization of novel silica-coated magnetic nanoparticles with tags of ionic liquid. Application in the synthesis of polyhydroquinolines. *RSC Advances*, **2015**, 5, 103617-103624	3.7	39
347	Synthesis of pyrazole derivatives in the presence of a dioxomolybdenum complex supported on silica-coated magnetite nanoparticles as an efficient and easily recyclable catalyst. *RSC Advances*, **2016**, 6, 104875-104885	3.7	39
346	Mild and heterogeneous oxidation of urazoles to their corresponding triazolinediones via in situ generation Cl+ using silica sulfuric acid/KClO3 or silica chloride/oxone system. *Catalysis Communications*, **2007**, 8, 256-260	3.2	39
345	A simple and efficient route for the synthesis of di and tri(bis(indolyl) methanes) as new triarylmethanes. *Molecular Diversity*, **2008**, 12, 203-7	3.1	39
344	Selective Oxidation of N-Alkyl Imines to Oxaziridines using UHP/Maleic Anhydride system. *Synlett*, **2002**, 2002, 0933-0934	2.2	39
343	A novel and reusable ionically tagged nanomagnetic catalyst: Application for the preparation of 2-amino-6-(2-oxo-2H-chromen-3-yl)-4-arylnicotinonitriles via vinylogous anomeric based oxidation. *Molecular Catalysis*, **2019**, 463, 20-29	3.3	39
342	Application of silica-bonded imidazolium-sulfonic acid chloride (SBISAC) as a heterogeneous nanocatalyst for the domino condensation of arylaldehydes with 2-naphthol and dimedone. *Journal of Molecular Liquids*, **2015**, 211, 373-380	6	38
341	Efficient Cu-catalyzed one-pot odorless synthesis of sulfides from triphenyltin chloride, aryl halides and S 8 in PEG. *Tetrahedron Letters*, **2016**, 57, 192-195	2	38
340	Biomimetic aromatization of Hantzsch 1,4-dihydropyridines with sodium periodate catalyzed by a new polystyrene-bound manganese porphyrin. *Canadian Journal of Chemistry*, **2006**, 84, 1-4	0.9	38

339	Silica sulfuric acid as an efficient and recyclable catalyst for the methoxymethylation of alcohols under solvent-free conditions. *Catalysis Communications*, **2006**, 7, 494-498	3.2	38
338	Design, characterization and application of silica-bonded imidazolium-sulfonic acid chloride as a novel, active and efficient nanostructured catalyst in the synthesis of hexahydroquinolines. *Applied Catalysis A: General*, **2015**, 505, 224-234	5.1	37
337	Applications of biological urea-based catalysts in chemical processes. *Molecular Catalysis*, **2018**, 452, 192-246	3.3	37
336	Friedel□rafts alkylation of 4-hydroxycoumarin catalyzed by sulfonic-acid-functionalized pyridinium chloride as a new ionic liquid. *Comptes Rendus Chimie*, **2014**, 17, 1264-1267	2.7	37
335	Efficient Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones over Silica Sulfuric Acid as a Reusable Catalyst under Solvent-free Conditions. *Heterocycles*, **2003**, 60, 2435	0.8	37
334	Silylation and Tetrahydropyranylation of Alcohols Catalyzed by Al(HSO4)3. *Bulletin of the Chemical Society of Japan*, **2005**, 78, 1982-1985	5.1	37
333	Dinitrogen Tetraoxide Complexes of Iron(III) and Copper(II) Nitrates as Versatile Reagents for Organic Syntheses. Efficient Oxidative Deprotection of Silyl or Tetrahydropyranyl Ethers, Acetals, and Thioacetals. *Bulletin of the Chemical Society of Japan*, **1998**, 71, 2169-2173	5.1	37
332	Ionically Tagged Magnetic Nanoparticles with Urea Linkers: Application for Preparation of 2-Aryl-quinoline-4-carboxylic Acids via an Anomeric-Based Oxidation Mechanism. *ACS Omega*, **2020**, 5, 3207-3217	3.9	36
331	Oxidation of 1,4-Dihydropyridines under Mild and Heterogeneous Conditions. *Synthetic Communications*, **2000**, 30, 2945-2950	1.7	36
330	Synthesis of Metal-Organic Frameworks MIL-101(Cr)-NH Containing Phosphorous Acid Functional Groups: Application for the Synthesis of -Amino-2-pyridone and Pyrano [2,3-]pyrazole Derivatives via a Cooperative Vinylogous Anomeric-Based Oxidation. *ACS Omega*, **2020**, 5, 6240-6249	3.9	35
329	Nanometasilica disulfuric acid (NMSDSA) and nanometasilica monosulfuric acid sodium salt (NMSMSA) as two novel nanostructured catalysts: applications in the synthesis of Biginelli-type, polyhydroquinoline and 2,3-dihydroquinazolin-4(1H)-one derivatives. *Journal of the Iranian Chemical Society*, **2017**, 14, 121-134	2	35
328	Silica Sulfuric Acid and Al(HSO4)3: As Efficient Catalysts for the Formylation of Alcohols by Using Ethyl Formate under Heterogeneous Conditions. *Journal of the Chinese Chemical Society*, **2008**, 55, 885-889	1.5	35
327	The first report on the catalytic oxidation of urazoles to their corresponding triazolinediones via in situ catalytic generation of Br+ using periodic acid or oxone□ /KBr system. *Journal of Molecular Catalysis A*, **2007**, 270, 219-224		35
326	4-(p-Chloro)phenyl-1,2,4-triazole-3,5-dione as a novel and reusable reagent for the oxidation of 1,3,5-trisubstituted pyrazolines under mild conditions. *Tetrahedron Letters*, **2006**, 47, 833-836	2	35
325	AN EFFICIENT PRO CEDURE FOR THE PREPARATION OF MONO, AND DI-BIS-INDOLYL METHANES CATALYZED BY MOLIBDATOPHOSPHORIC ACID. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2004**, 179, 2273-2277	1	35
324	Design of 1-methylimidazolium tricyanomethanide as the first nanostructured molten salt and its catalytic application in the condensation reaction of various aromatic aldehydes, amides and □naphthol compared with tin dioxide nanoparticles. *RSC Advances*, **2015**, 5, 45027-45037	3.7	34
323	Silica sulfuric acid promoted aromatization of 1,2-dihydroquinolines by using NaNO2 as oxidizing agent under mild and heterogeneous conditions. *Catalysis Communications*, **2007**, 8, 1427-1430	3.2	34
322	Novel and chemoselective dehydrogenation of 2-substituted imidazolines with potassium permanganate supported on silica gel. *Tetrahedron Letters*, **2004**, 45, 8687-8690	2	34

321	The use of Nafion-H as an efficient catalyst for the direct conversion of primary and secondary trimethylsilyl ethers to their corresponding ethers under mild and heterogeneous conditions. *Tetrahedron Letters*, **2003**, 44, 8165-8167	2	34
320	CHEMOSELECTIVE OXIDATION OF 1,4-DIHYDROPYRIDINES WITH [NO+.CROWN.H(NO3)2] *Synthetic Communications*, **2001**, 31, 929-934	1.7	34
319	Synthesis, in vitro antibacterial and carbonic anhydrase II inhibitory activities of N-acylsulfonamides using silica sulfuric acid as an efficient catalyst under both solvent-free and heterogeneous conditions. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 5465-72	3.4	33
318	Iodine-Catalyzed Friedlander Quinoline Synthesis under Solvent-Free Conditions. *Journal of the Chinese Chemical Society*, **2007**, 54, 267-271	1.5	33
317	SILICA PHOSPHORIC ACID/NaNO2 AS A NOVEL HETEROGENEOUS SYSTEM FOR THE COUPLING OF THIOLS TO THEIR CORRESPONDING DISULFIDES. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2004**, 179, 2177-2182	1	33
316	An efficient method for the oxidation of urazoles with [NO+ crown H(NO3)2] *Tetrahedron*, **2001**, 57, 1627-1629	2.4	33
315	Aromatization of 1,4-Dihydropyridines Under Mild and Heterogeneous Conditions. *Synthetic Communications*, **2000**, 30, 3919-3923	1.7	33
314	A Convenient Method for Selective Mono or Dinitration of Phenol under Mild Conditions. *Synthetic Communications*, **2000**, 30, 1689-1694	1.7	33
313	An Efficient Method for Production and Storage of Unstable S-Nitrosothiols Under Mild and Heterogeneous Condition with Sodium Nitrite and Oxalic Acid Dihydrate. *Synthetic Communications* , **1999**, 29, 2277-2280	1.7	33
312	1-Methylimidazolium tricyanomethanide {[HMIM]C(CN)3} as a nano structure and reusable molten salt catalyst for the synthesis of tetrahydrobenzo[b]pyrans via tandem Knoevenagel-Michael cyclocondensation and 3,4-dihydropyrano[c]chromene derivatives. *Journal of Molecular Liquids*, **2016**, 221, 851-859	6	33
311	Trichloroisocyanuric Acid/NaNO2as a Novel Heterogeneous System for the Selective Mononitration of Phenols under Mild Conditions. *Synlett*, **2003**, 2003, 0191-0194	2.2	32
310	Synthesis of morpholinated and 8-hydroxyquinolinated silica gel and their application to water softening. *Green Chemistry*, **2002**, 4, 611-614	10	32
309	An efficient catalytic method for the synthesis of pyrido[2,3-d]pyrimidines as biologically drug candidates by using novel magnetic nanoparticles as a reusable catalyst. *Applied Organometallic Chemistry*, **2018**, 32, e4043	3.1	32
308	Synthesis of tetrahydropyridines by one-pot multicomponent reaction using nano-sphere silica sulfuric acid. *Journal of the Iranian Chemical Society*, **2015**, 12, 855-861	2	31
307	Experimental and theoretical approving of anomeric based oxidation in the preparation of 2-sbstituted benz-(imida, oxa and othia)-zoles using [2,6-DMPy-NO2]C(NO2)3 as a novel nano molten salt catalyst. *RSC Advances*, **2016**, 6, 58667-58679	3.7	31
306	Simple and Highly Efficient Catalytic Thiocyanation of Aromatic Compounds in Aqueous Media. *Helvetica Chimica Acta*, **2012**, 95, 106-114	2	31
305	Nano-ferrous ferric oxide (nano-Fe3O4): Powerful, reusable, and stable catalyst for N-Boc protection of amines. *Comptes Rendus Chimie*, **2013**, 16, 962-966	2.7	31
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