Mohammad Ali Zolfigol

List of Publications by Year in Descending Order

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	Immobilization of [D]SO3H on activated carbon powder and its use as a heterogeneous catalyst in the synthesis of phthalazine and quinoline derivatives. *Diamond and Related Materials*, **2022**, 124, 108908	3.5	3
427	Fe3O4@SiO2@Methotrexate as efficient and nanomagnetic catalyst for the synthesis of 9-(aryl)thiazolo [4,5-d] [1,2,4]triazolo [1,5-a]pyrimidin-2(3H)-ones via a cooperative anomeric based oxidation: A joint experimental and computational mechanistic study. *Journal of Molecular Structure*, **2022**, 1250, 131769	3.4	1
426	Design and synthesis of nickel tetra-2,3-pyridiniumporphyrazinato trinitromethanide as an influential catalyst and its application in the synthesis of 1,2,4-triazolo based compounds. *Journal of Physics and Chemistry of Solids*, **2022**, 160, 110322	3.9	2
425	Application of novel metal-organic framework [Zr-UiO-66-PDC-SOH]FeCl in the synthesis of dihydrobenzo[]pyrimido[4,5-]quinoline derivatives.. *RSC Advances*, **2022**, 12, 9058-9068	3.7	1
424	A magnetic porous organic polymer: catalytic application in the synthesis of hybrid pyridines with indole, triazole and sulfonamide moieties.. *RSC Advances*, **2022**, 12, 8804-8814	3.7	2
423	A Review of the Existing Potentials in Biodiesel Production in Iran. *Sustainability*, **2022**, 14, 3284	3.6	5
422	Synthesis of novel triiodide ionic liquid based on quaternary ammonium cation and its use as a solvent reagent under mild and solvent-free conditions. *Heterocyclic Communications*, **2022**, 28, 58-66	1.7	
421	Synthesis and application of novel urea/benzoic acid functionalized magnetic nanoparticles for the synthesis of 2,3-disubstituted thiazolidin-4-ones and hexahydroquinolines. *RSC Advances*, **2022**, 12, 16342-16353	3.7	9
420	MOF-Zn-NHC as an efficient N-heterocyclic carbene catalyst for aerobic oxidation of aldehydes to their corresponding carboxylic acids a cooperative geminal anomeric based oxidation.. *RSC Advances*, **2021**, 11, 36230-36236	3.7	2
419	Application of polyionic magnetic nanoparticles as a catalyst for the synthesis of carbonitriles with both indole and triazole moieties via a cooperative geminal-vinylogous anomeric-based oxidation. *Molecular Diversity*, **2021**, 1	3.1	0
418	Tomato juice microfiltration process assisted with pressure-vacuum combination condition: A physicochemical investigation and optimization. *Biosystems Engineering*, **2021**, 212, 62-76	4.8	
417	Application of ammonium acetate as a dual rule reagent-catalyst in synthesis of new symmetrical terpyridines. *Molecular Catalysis*, **2021**, 516, 111959	3.3	2
416	Novel pseudopolymeric magnetic nanoparticles as a hydrogen bond catalyst for the synthesis of tetrahydrodipyrazolopyridine derivatives under mild reaction conditions. *Applied Organometallic Chemistry*, **2021**, 35, e6222	3.1	4
415	A super-extractant for denitrogenation of liquid fuel: Phosphonium based zwitterionic liquid. *Journal of Molecular Liquids*, **2021**, 326, 115326	6	1
414	Application of novel nanomagnetic metal-organic frameworks as a catalyst for the synthesis of new pyridines and 1,4-dihydropyridines via a cooperative vinylogous anomeric based oxidation. *Scientific Reports*, **2021**, 11, 5279	4.9	15
413	Fabrication of activated carbon sulfuric acid as an excellent and novel solid acid catalyst, evaluating its catalytic activity in synthesizing 1,8-dioxo-octahydroxanthenes and 14-aryl-14H-dibenzo[a,j]xanthenes. *Research on Chemical Intermediates*, **2021**, 47, 3145-3163	2.8	8
412	A novel magnetically recyclable semi-dendrimer catalyst-based ethanolpyridole supported on ferrite nanoparticles (HNPs@Py) for the synthesis of biscoumarin and dihydropyrano[3,2-c]chromene derivatives. *Applied Organometallic Chemistry*, **2021**, 35, e6297	3.1	3

411	Design, Synthesis, and Molecular Docking of Some Novel Tacrine Based Cyclopentapyranopyridine- and Tetrahydropyranoquinoline-Kojic Acid Derivatives as Anti-Acetylcholinesterase Agents. *Chemistry and Biodiversity*, **2021**, 18, e2000924	2.5	2
410	Novel uric acid-based nano organocatalyst with phosphorous acid tags: Application for synthesis of new biologically-interest pyridines with indole moieties via a cooperative vinylogous anomeric based oxidation. *Molecular Catalysis*, **2021**, 507, 111549	3.3	5
409	Fe3O4@SiO2@(CH2)3-urea-quinoline sulfonic acid chloride: A novel catalyst for the synthesis of coumarin containing 1,4 dihydropyridines. *Journal of Molecular Structure*, **2021**, 1224, 129294	3.4	7
408	Novel nano-architectured carbon quantum dots (CQDs) with phosphorous acid tags as an efficient catalyst for the synthesis of multisubstituted 4-pyran with indole moieties under mild conditions.. *RSC Advances*, **2021**, 11, 25995-26007	3.7	8
407	Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone. *Chemical Society Reviews*, **2021**, 50, 10253-10345	58.5	28
406	Application of [PVI-SOH]NO as a novel polymeric nitrating agent with ionic tags in preparation of high-energetic materials.. *RSC Advances*, **2021**, 11, 8367-8374	3.7	4
405	Synthesis of new pyridines with sulfonamide moiety a cooperative vinylogous anomeric-based oxidation mechanism in the presence of a novel quinoline-based dendrimer-like ionic liquid.. *RSC Advances*, **2021**, 11, 3143-3152	3.7	9
404	Synthesis of biological based hennotannic acid-based salts over porous bismuth coordination polymer with phosphorous acid tags.. *RSC Advances*, **2021**, 11, 2141-2157	3.7	6
403	Synthesis and application of [Zr-UiO-66-PDC-SOH]Cl MOFs to the preparation of dicyanomethylene pyridines via chemical and electrochemical methods. *Scientific Reports*, **2021**, 11, 16817	4.9	12
402	Synthesis of triarylpyridines with sulfonate and sulfonamide moieties via a cooperative vinylogous anomeric-based oxidation. *Scientific Reports*, **2021**, 11, 16846	4.9	4
401	Anodic electrosynthesis of MIL-53(Al)-N(CHPOH) as a mesoporous catalyst for synthesis of novel (N-methyl-pyrrol)-pyrazolo[3,4-b]pyridines via a cooperative vinylogous anomeric based oxidation. *Scientific Reports*, **2021**, 11, 19370	4.9	8
400	Synthesis, characterization and catalytic application of tributyl(carboxymethyl)phosphonium bromotrichloroferrate as a new magnetic ionic liquid for the preparation of 2,3-dihydroquinazolin-4(1H)-ones and 4H-pyrimidobenzothiazoles. *Research on Chemical Intermediates*, **2020**, 46, 3945-3960	2.8	4
399	Applications of phosphonium-based ionic liquids in chemical processes. *Journal of the Iranian Chemical Society*, **2020**, 17, 1775-1917	2	27
398	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
397	Application of trityl moieties in chemical processes: part I. *Journal of the Iranian Chemical Society*, **2020**, 17, 2737-2843	2	2
396	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
395	Regioselective Ortho-C H sulfenylation of free phenols catalyzed by Co(II)-immobilized on silica-coated magnetic nanoparticles. *Molecular Catalysis*, **2020**, 484, 110772	3.3	4
394	Synthesis and characterization of Fe3O4@SiO2@(CH2)3NH(CH2)2O2P(OH)2 and its catalytic application in the synthesis of benzo-[h]quinoline-4-carboxylic acids via a cooperative anomeric based oxidation mechanism. *Molecular Catalysis*, **2020**, 489, 110924	3.3	12

393	Boron sulfuric acid as an efficient heterogeneous catalyst for the synthesis of 1-substituted 1H-1,2,3,4-tetrazoles in polyethylene glycol. *Eurasian Chemical Communications*, **2020**, 2, 812-818	1.8	4
392	Catalytic application of sulfamic acid-functionalized magnetic FeO nanoparticles (SA-MNPs) for protection of aromatic carbonyl compounds and alcohols: experimental and theoretical studies.. *RSC Advances*, **2020**, 10, 44946-44957	3.7	2
391	Extractive desulfurization of liquid fuel using diamine-terminated polyethylene glycol as a very low vapour pressure and green molecular solvent. *Royal Society Open Science*, **2020**, 7, 200803	3.3	5
390	Synthesis of a novel Pd supported polymeric magnetic nanoparticles with urea-pyridine bridge: application as an efficient catalyst for the C□ and C□ bond formation. *Journal of Porous Materials*, **2020**, 27, 395-411	2.4	4
389	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**, 294, 109865	5.3	40
388	Synthesis of a novel bifunctional oxyammonium-based ionic liquid: Application for the synthesis of pyrano[4,3-b]pyrans and tetrahydrobenzo[b]pyrans. *Journal of the Chinese Chemical Society*, **2020**, 67, 1120-1131	1.5	10
387	Catalytic synthesis of coumarin-linked nicotinonitrile derivatives via a cooperative vinylogous anomeric-based oxidation. *Research on Chemical Intermediates*, **2020**, 46, 5361-5376	2.8	3
386	Fe3O4@SiO2@(CH2)3-urea-thiourea: A novel hydrogen-bonding and reusable catalyst for the construction of bipyridine-5-carbonitriles via a cooperative vinylogous anomeric based oxidation. *Molecular Catalysis*, **2020**, 497, 111201	3.3	8
385	A convenient method for synthesis of terpyridines a cooperative vinylogous anomeric based oxidation.. *RSC Advances*, **2020**, 10, 25828-25835	3.7	19
384	The superior effects of a long chain gemini ionic liquid on the interfacial tension, emulsification and oil displacement of crude oil-water. *Journal of Petroleum Science and Engineering*, **2020**, 195, 107543	4.4	12
383	Toward prediction of the precatalyst activation mechanism through the cross-coupling reactions: Reduction of Pd(II) to Pd(0) in precatalyst of the type Pd-PEPPSI. *Journal of Computational Chemistry*, **2020**, 41, 2296-2309	3.5	7
382	Synthesis of cobalt tetra-2,3-pyridiniumporphyrazinato with sulfonic acid tags as an efficient catalyst and its application for the synthesis of bicyclic -aminocarbonitriles, cyclohexa-1,3-dienamines and 2-amino-3-cyanopyridines.. *RSC Advances*, **2020**, 10, 27824-27834	3.7	14
381	Multilinker phosphorous acid anchored En/MIL-100(Cr) as a novel nanoporous catalyst for the synthesis of new N-heterocyclic pyrimido[4,5-b]quinolines. *Molecular Catalysis*, **2020**, 481, 110303	3.3	23
380	Magnetic phosphonium ionic liquid: Application as a novel dual role acidic catalyst for synthesis of 2?-aminobenzothiazolomethylnaphthols and amidoalkyl naphthols. *Research on Chemical Intermediates*, **2020**, 46, 891-907	2.8	13
379	Synthesis and application of melamine-based nano catalyst with phosphonic acid tags in the synthesis of (3′-indolyl)pyrazolo[3,4-b]pyridines via vinylogous anomeric based oxidation. *Molecular Catalysis*, **2020**, 482, 110666	3.3	23
378	Electrochemical study of dibenzo-xanthene and dihydrobenzochromono pyrazole derivatives. *Electrochimica Acta*, **2019**, 326, 134990	6.7	1
377	Synthesis of Novel Nanomagnetic Catalyst with Acetic Acid Tags: Application in the Synthesis of New Amidoalkyl Phenols under Solvent-Free Condition. *ChemistrySelect*, **2019**, 4, 1122-1126	1.8	3
376	Fe3-xTixO4-supported sulfamic acid nanoparticles: New magnetic nanocatalyst for the synthesis of hexahydroquinolines. *Journal of Organometallic Chemistry*, **2019**, 895, 55-63	2.3	10

375	Synthesis of pyridinium-based salts: Catalytic application at the synthesis of six membered O-heterocycles. *Molecular Catalysis*, **2019**, 475, 110403	3.3	8
374	Synthesis of four series of quinoline-based heterocycles by reacting 2-chloroquinoline-3-carbonitriles with various types of isocyanides. *Applied Organometallic Chemistry*, **2019**, 33, e5024	3.1	3
373	Pyridiniumporphyrazinato oxo-vanadium tribromomethanide as a new source of Br+ catalyst for the chemo and homoselective oxidation of sulfides and benzylic alcohols. *Polyhedron*, **2019**, 170, 138-150	2.7	12
372	Direct Conversion of TMS-ethers to THP-ethers Catalyzed by {[K.18-Crown-6]Br3}n. *Organic Preparations and Procedures International*, **2019**, 51, 192-197	1.1	1
371	Synthesis of a novel and reusable biological urea based acidic nanomagnetic catalyst: Application for the synthesis of 2-amino-3-cyano pyridines via cooperative vinylogous anomeric based oxidation. *Applied Organometallic Chemistry*, **2019**, 33, e4933	3.1	26
370	1,10-Phenanthrolin-1-ium Trinitromethanide (1,10-PHTNM) as a Nano Molten Salt Catalyst With Y-Aromatic Counter Ion: Applications for Synthesis of Organic Compounds. *ChemistrySelect*, **2019**, 4, 337-346	1.8	12
369	Novel magnetic nanoparticles with morpholine tags as multirole catalyst for synthesis of hexahydroquinolines and 2-amino-4,6-diphenylnicotinonitriles through vinylogous anomeric-based oxidation. *Research on Chemical Intermediates*, **2019**, 45, 3453-3480	2.8	16
368	Pentaerythritol as efficient H-bonding organocatalyst for synthesis of indazolo[2,1-b]phthalazine-trione derivatives. *Research on Chemical Intermediates*, **2019**, 45, 3795-3807	2.8	4
367	Application of cobalt phthalocyanine as a nanostructured catalyst in the synthesis of biological henna-based compounds. *Applied Organometallic Chemistry*, **2019**, 33, e4690	3.1	6
366	NiFe2O4 as a magnetically recoverable nanocatalyst for odourless C–S bond formation via the cleavage of C–O bond in the presence of S8 under mild and green conditions. *Applied Organometallic Chemistry*, **2019**, 33, e4691	3.1	14
365	Regioselective synthesis of novel β-hydroxy alcohols over silica-bonded 1,4-diaza-bicyclo[2.2.2]octane-acetic acid bromide as new catalyst. *Journal of Molecular Structure*, **2019**, 1175, 428-438	3.4	3
364	Mesoporous Ionically Tagged Cross-Linked Poly(vinyl imidazole)s as Novel and Reusable Catalysts for the Preparation of N-Heterocycle Spiropyrans. *ACS Omega*, **2019**, 4, 17379-17392	3.9	14
363	Different spacer homologs of gemini imidazolium ionic liquid surfactants at the interface of crude oil-water. *Journal of Molecular Liquids*, **2019**, 296, 111748	6	8
362	Systematic Investigation of a Surfactant Type Nano Gemini Ionic Liquid and Simultaneous Abnormal Salt Effects on Crude Oil/Water Interfacial Tension. *Industrial & Engineering Chemistry Research* , **2019**, 58, 3583-3594	3.9	10
361	Application of 1-methyl imidazole-based ionic liquid-stabilized silica-coated Fe3O4 as a novel modified magnetic nanocatalyst for the synthesis of pyrano[2,3-d]pyrimidines. *Journal of the Chinese Chemical Society*, **2019**, 66, 307-315	1.5	15
360	Reply to the comment on "A convenient method for preparation of 2-amino-4,6-diphenylnicotinonitrile using HBF4 as an efficient catalyst via an anomeric based oxidation: A joint experimental and theoretical study" [J. Mol. Struct. 1137 (2017) 674–680], by S.	3.4	0
359	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
358	Synthesis of a novel DABCO-based nanomagnetic catalyst with sulfonic acid tags: application to the synthesis of diverse spiropyrans. *Research on Chemical Intermediates*, **2018**, 44, 5255-5269	2.8	22

357	Catalytic application of a nano-molten salt catalyst in the synthesis of biological naphthoquinone-based compounds. *Research on Chemical Intermediates*, **2018**, 44, 2839-2852	2.8	3
356	A green non-acid-catalyzed process for direct N=N-C group formation: comprehensive study, modeling, and optimization. *Molecular Diversity*, **2018**, 22, 335-342	3.1	3
355	Co(II)-catalyzed regioselective clean and smooth synthesis of 2-(aryl/alkyl-thio)phenols via sp2 C H bond activation. *Molecular Catalysis*, **2018**, 452, 260-263	3.3	9
354	Applications of biological urea-based catalysts in chemical processes. *Molecular Catalysis*, **2018**, 452, 192-246	3.3	37
353	Synthesis and characterization of 4,4?-bipyridinium sulfonic acid chloride as a new and efficient catalyst for the preparation of amidoalkyl phenols and bis amidoalkyl phenols. *Molecular Catalysis*, **2018**, 449, 142-151	3.3	12
352	Synthesis of nanomagnetic supported thiourea□copper(I) catalyst and its application in the synthesis of triazoles and benzamides. *Applied Organometallic Chemistry*, **2018**, 32, e3933	3.1	23
351	Catalytic application of sulfonic acid-functionalized titana-coated magnetic nanoparticles for the preparation of 1,8-dioxodecahydroacridines and 2,4,6-triarylpyridines via anomeric-based oxidation. *Applied Organometallic Chemistry*, **2018**, 32, e4063	3.1	25
350	A Convenient Method for the Synthesis of Imidazo[1,2-a]pyridines with a New Approach. *Synlett*, **2018**, 29, 89-93	2.2	15
349	Application of a novel nano-immobilization of ionic liquid on an MCM-41 system for trimethylsilylation of alcohols and phenols with hexamethyldisilazane. *Research on Chemical Intermediates*, **2018**, 44, 7093-7106	2.8	2
348	Novel nano-size and crab-like biological-based glycoluril with sulfonic acid tags as a reusable catalyst: its application to the synthesis of new mono- and bis-spiropyrans and their in vitro biological studies. *New Journal of Chemistry*, **2018**, 42, 14308-14317	3.6	30
347	Experimental optimization of chicory root (Cichorium intybus L.) aqueous extracts formulation by novel approach of ongoing ultrasonic vacuum spray drying using response surface methodology. *Journal of Food Process Engineering*, **2018**, 41, e12830	2.4	
346	1,10-Phenanthroline-Based Molten Salt as a Bifunctional Sulfonic Acid Catalyst: Application to the Synthesis of N-Heterocycle Compounds via Anomeric Based Oxidation. *ChemistrySelect*, **2018**, 3, 8947-8954	1.8	24
345	Design, synthesis, and application of 1H-imidazol-3-ium trinitromethanide {[HIMI]C(NO2)3} as a recyclable nanostructured ionic liquid (NIL) catalyst for the synthesis of imidazo[1,2-a]pyrimidine-3-carbonitriles. *Journal of the Iranian Chemical Society*, **2018**, 15, 2259-2270	2	1
344	Synthesis and application of chitosan supported vanadium oxo in the synthesis of 1,4-dihydropyridines and 2,4,6-triarylpyridines via anomeric based oxidation. *New Journal of Chemistry*, **2018**, 42, 12539-12548	3.6	27
343	Synthesis of bis-coumarins over acetic acid functionalized poly(4-vinylpyridinum) bromide (APVPB) as a green and efficient catalyst under solvent-free conditions and their biological activity. *Journal of the Iranian Chemical Society*, **2018**, 15, 471-481	2	16
342	Laccase-catalyzed, aerobic oxidative coupling of 4-substituted urazoles with sodium arylsulfinates: Green and mild procedure for the synthesis of arylsulfonyl triazolidinediones. *Tetrahedron Letters*, **2018**, 59, 383-387	2	10
341	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
340	Tributyl(3-sulfopropyl)phosphonium hydrogen sulfate (TBSPHS) as a novel task-specific phosphonium ionic liquid: A robust catalyst for the synthesis of 1,5-dihydro-2H-pyrrol-2-ones. *Journal of Molecular Liquids*, **2018**, 249, 144-152	6	17

339	Catalytic application of [Fe3O4@SiO2@(CH2)3-Urea-SO3H/HCl] as a magnetically recoverable solid acid at the synthesis of 2?-aminobenzothiazolomethylnaphthols. *Research on Chemical Intermediates*, **2018**, 44, 191-200	2.8	13
338	Three-Component Synthesis of Spiropyrans Using SBA-15/En Bonded Phosphorous Acid [SBA-15/Pr-NH1-y(CH2PO3H2)y-Et-NH2-x(CH2PO3H2)x] as a New Nanoporous Heterogeneous Catalyst. *ChemistrySelect*, **2018**, 3, 12144-12149	1.8	12
337	Synthesis and Characterization of 1-(Carboxymethyl)Pyridinium Bromide [CMPy]Br Molten Salt: Application as a Novel Nanocatalyst for the Synthesis of Bis-Naphthodipyrans. *ChemistrySelect*, **2018**, 3, 12791-12796	1.8	3
336	[Fe3O4@SiO2@(CH2)3im]C6F5O as a New Hydrophilic and Task-Specific Nanomagnetic Catalyst: Application for Synthesis of Azido Alcohols and Thiiranes under Mild and Green Conditions. *ChemistrySelect*, **2018**, 3, 11134-11140	1.8	6
335	Biological based (nano) gelatoric ionic liquids (NGILs): Application as catalysts in the synthesis of a substituted pyrazole via vinylogous anomeric based oxidation. *Journal of Molecular Liquids*, **2018**, 271, 778-785	6	16
334	Triphenyl(3-sulfopropyl)phosphonium trinitromethanide as a novel nanosized molten salt: Catalytic activity at the preparation of dihydropyrano[2,3-c]pyrazoles. *Journal of Molecular Liquids*, **2018**, 271, 872-884	6	13
333	Synthesis and application of a novel nanomagnetic catalyst with Cl[DABCO-NO2]C(NO2)3 tags in the preparation of pyrazolo[3,4-b]pyridines via anomeric based oxidation. *Research on Chemical Intermediates*, **2018**, 44, 7595-7618	2.8	12
332	QSAR study of the non-peptidic inhibitors of procollagen C-proteinase based on Multiple linear regression, principle component regression, and partial least squares. *Arabian Journal of Chemistry*, **2017**, 10, 801-810	5.9	5
331	Mn(III)Pentadentate Schiff base complex supported on multi-walled carbon nanotubes as a green, mild and heterogeneous catalyst for the synthesis of tetrahydrobenzo[b]pyrans via tandem KnoevenagelMichael cyclocondensation reaction. *Applied Organometallic Chemistry*, **2017**, 31, e3690	3.1	14
330	Synthesis of tricyanomethanesulfonic acid as a novel nanostructured and recyclable solid acid: application at the synthesis of biological henna-based chromenes. *Canadian Journal of Chemistry*, **2017**, 95, 560-570	0.9	4
329	3,6-Dioxaoctamethylenediamminium trifluoromethanesulfonate [3,6-DOMDA]OTf as a novel ionic liquid catalyst for the synthesis of functionalized 1,4-dihydropyridines. *Journal of Molecular Liquids*, **2017**, 232, 174-181	6	6
328	A convenient method for preparation of 2-amino-4,6-diphenylnicotinonitrile using HBF4 as an efficient catalyst via an anomeric based oxidation: A joint experimental and theoretical study. *Journal of Molecular Structure*, **2017**, 1137, 674-680	3.4	25
327	Application of Triphenylammonium Tricyanomethanide as an Efficient and Recyclable Nanostructured Molten-Salt Catalyst for the Synthesis of N-Benzylidene-2-arylimidazo[1,2-a]pyridin-3-amines. *Synlett*, **2017**, 28, 1173-1176	2.2	8
326	Design and preparation of [4,4?-bipyridine]-1,1?-diium trinitromethanide (BPDTNM) as a novel nanosized ionic liquid catalyst: application to the synthesis of 1-(benzoimidazolylamino)methyl-2-naphthols. *New Journal of Chemistry*, **2017**, 41, 4431-4440	3.6	12
325	Application of novel nanostructured dinitropyrazine molten salt catalyst for the synthesis of sulfanylpyridines via anomeric based oxidation. *Journal of the Iranian Chemical Society*, **2017**, 14, 1839-1852	2	20
324	Synthesis of novel magnetic nanoparticles with urea or urethane moieties: Applications as catalysts in the Strecker synthesis of aminonitriles. *Applied Organometallic Chemistry*, **2017**, 31, e3883	3.1	12
323	{[1,4-DHPyrazine][C(CN)3]2} as a New Nano Molten Salt Catalyst for the Synthesis of Novel Piperazine Based bis(4-hydroxy-2H-chromen-2-one) Derivatives. *Catalysis Letters*, **2017**, 147, 2083-2099	2.8	7
322	H2O2 as green and environmentally benign reagent for the oxidation of TMS ethers, THP ethers, and alcohols in the presence of {[K.18-Crown-6]Br3}n. *Green Chemistry Letters and Reviews*, **2017**, 10, 117-120	4.7	7

321	Novel nano molten salt tetra-2,3-pyridiniumporphyrazinato-oxo-vanadium tricyanomethanide as a vanadium surface-free phthalocyanine catalyst: Application to Strecker synthesis of α-aminonitrile derivatives. *Applied Organometallic Chemistry*, **2017**, 31, e3775	3.1	11
320	1H-imidazol-3-ium tricyanomethanide {[HIM]C(CN)3} as a nanostructured molten salt catalyst: application to the synthesis of pyrano[4,3-b]pyrans. *Research on Chemical Intermediates*, **2017**, 43, 3291-3305	2.8	10
319	The first principle computational study for the competitive mechanisms of oxidative aromatization of 2-substituted imidazolines using KMnO4/SiO2. *Journal of the Iranian Chemical Society*, **2017**, 14, 2485-2493	2	6
318	Application of Fe3O4@SiO2/(CH2)3-[imidazolium-SO3H]Cl as a robust, magnetically recoverable solid acid catalyst for the facile preparation of arylbispyranylmethanes. *Canadian Journal of Chemistry*, **2017**, 95, 1248-1252	0.9	9
317	[TEATNM] and [TEATCM] as novel catalysts for the synthesis of pyridine-3,5-dicarbonitriles via anomeric-based oxidation. *New Journal of Chemistry*, **2017**, 41, 9276-9290	3.6	25
316	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
315	Trityl bromide versus nano-magnetic catalyst in the synthesis of henna-based xanthenes and bis-coumarins. *Journal of the Iranian Chemical Society*, **2017**, 14, 2187-2198	2	22
314	A copper(I)-complexed magnetic nanoparticle catalyst for enaminone synthesis. *Catalysis Communications*, **2017**, 102, 44-47	3.2	9
313	Reply to the "Comments on "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 Adv., 2016, 6, 50100–50111, and "The first computational study for the oxidative aromatization of pyrazolines and 1,4-dihydropyridines using 1,2,4-triazolinediones: an	3.7	5
312	Synthesis of spiropyran derivatives over 1-(carboxymethyl) pyridinium iodide as nanostructured pyridinium salt under aqueous media. *Canadian Journal of Chemistry*, **2017**, 95, 194-198	0.9	19
311	Synthesis, characterization and heterogeneous catalytic application of a nickel(II) Schiff base complex immobilized on MWCNTs for the Hantzsch four-component condensation. *Journal of Coordination Chemistry*, **2017**, 70, 340-360	1.6	19
310	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
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308	Green fuel through green route by using a task-specific and neutral phosphonium ionic liquid: A joint experimental and theoretical study. *Chemical Engineering Journal*, **2017**, 309, 480-488	14.7	29
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