

Akbar Heydari

List of Publications by Year in descending order

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76196

40
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143772

57
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260
all docs

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docs citations

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times ranked

4646
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#	ARTICLE	IF	CITATIONS
1	Sulfonic acid supported on hydroxyapatite-encapsulated Fe_3O_4 nanocrystallites as a magnetically Brønsted acid for N-formylation of amines. <i>Applied Catalysis A: General</i> , 2010, 377, 64-69.	2.2	121
2	Superparamagnetic Fe_3O_4 @EDTA nanoparticles as an efficient adsorbent for simultaneous removal of Ag(I), Hg(II), Mn(II), Zn(II), Pb(II) and Cd(II) from water and soil environmental samples. <i>Microchemical Journal</i> , 2017, 131, 51-56.	2.3	119
3	Determination of thebaine in water samples, biological fluids, poppy capsule, and narcotic drugs, using electromembrane extraction followed by high-performance liquid chromatography analysis. <i>Analytica Chimica Acta</i> , 2011, 701, 181-188.	2.6	113
4	Activity, stability and structure of laccase in betaine based natural deep eutectic solvents. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2574-2579.	3.6	112
5	Sulfonic Acid Functionalized Ionic Liquid in Combinatorial Approach, a Recyclable and Water Tolerant-Acidic Catalyst for One-Pot Friedlander Quinoline Synthesis. <i>ACS Combinatorial Science</i> , 2010, 12, 137-140.	3.3	105
6	Sulfamic acid heterogenized on hydroxyapatite-encapsulated Fe_3O_4 nanoparticles as a magnetic green interphase catalyst. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 253-261.	4.8	102
7	One-step, synthesis of Hantzsch esters and polyhydroquinoline derivatives in fluoro alcohols. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 609-614.	0.9	97
8	Organocatalytic synthesis of α -hydroxy and α -aminophosphonates. <i>Tetrahedron Letters</i> , 2008, 49, 6501-6504.	0.7	94
9	Lithium perchlorate/ diethylether catalyzed aminocyanation of aldehydes. <i>Tetrahedron Letters</i> , 1998, 39, 3049-3050.	0.7	89
10	Nanomagnetically modified sulfuric acid (Fe_3O_4 @ SiO_2 -OSO ₃ H): an efficient, fast, and reusable green catalyst for the Ugi-like Groebke-Blackburn-Bienaymé three-component reaction under solvent-free conditions. <i>Tetrahedron Letters</i> , 2012, 53, 5257-5260.	0.7	87
11	Inhibition of Amyloid Formation by Ionic Liquids: Ionic Liquids Affecting Intermediate Oligomers. <i>Biomacromolecules</i> , 2009, 10, 2468-2475.	2.6	78
12	A new one-pot synthesis of α -amino phosphonates catalyzed by H ₃ PW ₁₂ O ₄₀ . <i>Catalysis Communications</i> , 2007, 8, 1224-1226.	1.6	77
13	Lithium perchlorate/diethylether catalyzed aminophosphonation of aldehydes. <i>Tetrahedron Letters</i> , 1998, 39, 6729-6732.	0.7	70
14	A sulfonic acid functionalized ionic liquid as a homogeneous and recyclable catalyst for the one-pot synthesis of α -aminophosphonates. <i>Tetrahedron Letters</i> , 2009, 50, 4236-4238.	0.7	67
15	Lithium Perchlorate-Catalyzed Boc Protection of Amines and Amine Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1929-1932.	2.1	65
16	Catalyst-Free One-Pot Reductive Alkylation of Primary and Secondary Amines and N,N-Dimethylation of Amino Acids Using Sodium Borohydride in 2,2,2-Trifluoroethanol. <i>Synthesis</i> , 2011, 2011, 490-496.	1.2	65
17	Simultaneous determination of pyrethroids residues in fruit and vegetable samples via supercritical fluid extraction coupled with magnetic solid phase extraction followed by HPLC-UV. <i>Journal of Supercritical Fluids</i> , 2016, 107, 571-580.	1.6	65
18	The Ritter reaction under incredibly green protocol: Nano magnetically silica-supported Brønsted acid catalyst. <i>Applied Catalysis A: General</i> , 2010, 384, 122-127.	2.2	64

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19	Effect of ionic liquids on the structure, stability and activity of two related $\hat{I}\pm$ -amylases. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 93-97.	3.6	64
20	Trifluoroethanol as a metal-free, homogeneous and recyclable medium for the efficient one-pot synthesis of $\hat{I}\pm$ -amino nitriles and $\hat{I}\pm$ -amino phosphonates. <i>Tetrahedron Letters</i> , 2009, 50, 77-80.	0.7	61
21	Lewis acid catalyst free synthesis of benzimidazoles and formamidines in 1,1,1,3,3,3-hexafluoro-2-propanol. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1377-1381.	0.9	61
22	Self-Assembled CTAB Nanostructures in Aqueous/Ionic Liquid Systems: Effects of Hydrogen Bonding. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4517-4526.	1.8	60
23	Direct reductive amination and selective 1,2-reduction of $\hat{I}\pm, \hat{I}^2$ -unsaturated aldehydes and ketones by NaBH_4 using $\text{H}_3\text{PW}_{12}\text{O}_{40}$ as catalyst. <i>Tetrahedron Letters</i> , 2007, 48, 1135-1138.	0.7	58
24	N-tert-Butoxycarbonylation of amines using $\text{H}_3\text{PW}_{12}\text{O}_{40}$ as an efficient heterogeneous and recyclable catalyst. <i>Tetrahedron Letters</i> , 2007, 48, 5865-5868.	0.7	56
25	1,1,1,3,3,3-Hexafluoroisopropanol: A Recyclable Organocatalyst for $\hat{I}\pm$ -Boc Protection of Amines. <i>Synthesis</i> , 2008, 2008, 3126-3130.	1.2	55
26	Guanidine hydrochloride: An active and simple catalyst for Strecker type reaction. <i>Journal of Molecular Catalysis A</i> , 2007, 271, 142-144.	4.8	54
27	Modifying Effect of Imidazolium-Based Ionic Liquids on Surface Activity and Self-Assembled Nanostructures of Sodium Dodecyl Sulfate. <i>Journal of Physical Chemistry B</i> , 2014, 118, 4140-4150.	1.2	54
28	Superparamagnetic magnesium ferrite nanoparticles: a magnetically reusable and clean heterogeneous catalyst. <i>Tetrahedron Letters</i> , 2012, 53, 2959-2964.	0.7	50
29	Superparamagnetic $\text{Fe}(\text{OH})_3 @ \text{Fe}_3\text{O}_4$ Nanoparticles: An Efficient and Recoverable Catalyst for Tandem Oxidative Amidation of Alcohols with Amine Hydrochloride Salts. <i>ACS Combinatorial Science</i> , 2015, 17, 341-347.	3.8	50
30	Organic synthesis in an unconventional solvent, 5.0M lithium perchlorate/diethyl ether. <i>Tetrahedron</i> , 2002, 58, 6777-6793.	1.0	48
31	Hydrogen bond catalyzed chemoselective N-tert-butoxycarbonylation of amines. <i>Tetrahedron Letters</i> , 2008, 49, 3527-3529.	0.7	48
32	Preparation of carbon nanotube-supported $\hat{I}\pm\text{-Fe}_2\text{O}_3 @ \text{CuO}$ nanocomposite: a highly efficient and magnetically separable catalyst in cross-coupling of aryl halides with phenols. <i>Catalysis Science and Technology</i> , 2013, 3, 2025.	2.1	47
33	Coupling of Aldehydes, Amines, and Trimethyl Phosphite Promoted by Amberlyst-15: Highly Efficient Synthesis of $\hat{I}\pm$ -Aminophosphonates. <i>Synthesis</i> , 2008, 2008, 352-354.	1.2	46
34	Direct oxidative amidation of benzyl alcohols using $\text{EDTA} @ \text{Cu}(\text{II})$ functionalized superparamagnetic nanoparticles. <i>Applied Catalysis A: General</i> , 2014, 482, 336-343.	2.2	46
35	One-pot synthesis of N-trimethylsilyloxy- $\hat{I}\pm$ -amino phosphonates from aldehydes using lithium perchlorate/diethyl ether as a catalyst. <i>Tetrahedron Letters</i> , 2001, 42, 3629-3631.	0.7	45
36	Sulfamic acid: an efficient, cost-effective and recyclable solid acid catalyst for the three-component synthesis of $\hat{I}\pm$ -amino nitriles. <i>Tetrahedron Letters</i> , 2007, 48, 4059-4060.	0.7	45

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37	Copper(I)-Caffeine Complex Immobilized on Silica-Coated Magnetite Nanoparticles: A Recyclable and Eco-friendly Catalyst for Click Chemistry from Organic Halides and Epoxides. <i>Catalysis Letters</i> , 2018, 148, 3257-3268.	1.4	45
38	Imidazolium-Based Ionic Liquids as Modulators of Physicochemical Properties and Nanostructures of CTAB in Aqueous Solution: The Effect of Alkyl Chain Length, Hydrogen Bonding Capacity, and Anion Type. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 15838-15846.	1.8	44
39	Ultrasound irradiation for the green synthesis of chromenes using L-arginine-functionalized magnetic nanoparticles as a recyclable organocatalyst. <i>RSC Advances</i> , 2014, 4, 42220-42225.	1.7	44
40	Synthesis and sustainable assessment of thiol-functionalization of magnetic graphene oxide and superparamagnetic Fe ₃ O ₄ @SiO ₂ for Hg(II) removal from aqueous solution and petrochemical wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 78-93.	2.7	44
41	Lithium perchlorate/diethylether-catalyzed three-component coupling reactions of aldehydes, hydroxylamines and trimethylsilyl cyanide leading to α -cyanohydroxylamines. <i>Tetrahedron Letters</i> , 2000, 41, 2471-2473.	0.7	42
42	Direct reductive amination of aldehydes and selective reduction of α,β -unsaturated carbonyl compounds by NaBH ₄ in the presence of guanidine hydrochloride in water. <i>Journal of Molecular Catalysis A</i> , 2007, 274, 169-172.	4.8	39
43	LiClO ₄ -induzierte Dreikomponenten-Aminoalkylierung von Aldehyden. <i>Chemische Berichte</i> , 1994, 127, 1761-1764.	0.2	37
44	Hydrophosphonylation of aldehydes catalyzed by guanidine hydrochloride in water. <i>Catalysis Communications</i> , 2006, 7, 982-984.	1.6	37
45	Amberlyst-15 as a Heterogeneous Reusable Catalyst for the Synthesis of α -Hydroxy Phosphonates in Water. <i>Synlett</i> , 2007, 2007, 2347-2350.	1.0	36
46	Oxidative amidation of aromatic aldehydes with amine hydrochloride salts catalyzed by silica-coated magnetic carbon nanotubes (MagCNTs@SiO ₂)-immobilized imine-Cu(I). <i>Applied Organometallic Chemistry</i> , 2014, 28, 101-108.	1.7	36
47	Dehydroascorbic acid (DHAA) capped magnetite nanoparticles as an efficient magnetic organocatalyst for the one-pot synthesis of α -aminonitriles and α -aminophosphonates. <i>Tetrahedron Letters</i> , 2013, 54, 6403-6406.	0.7	35
48	Cu(II)-acetylacetonate complex covalently anchored onto magnetic nanoparticles: Synthesis, characterization and catalytic evaluation in amide bond formation via oxidative coupling of carboxylic acids with N,N-dialkylformamides. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 222-228.	0.8	35
49	One-pot three-component synthesis of α -amino phosphonate derivatives. <i>Catalysis Communications</i> , 2007, 8, 1023-1026.	1.6	34
50	A new and green synthesis of formamidines by γ -Fe ₂ O ₃ @SiO ₂ -HBF ₄ nanoparticles as a robust and magnetically recoverable catalyst. <i>Journal of Molecular Structure</i> , 2012, 1027, 156-161.	1.8	34
51	A simple, green, one-pot synthesis of magnetic-nanoparticle-supported proline without any source of supplemental linkers and application as a highly efficient base catalyst. <i>RSC Advances</i> , 2014, 4, 6508.	1.7	34
52	Purification and biochemical characterization of an acidophilic amylase from a newly isolated <i>Bacillus</i> sp. DR90. <i>Extremophiles</i> , 2013, 17, 339-348.	0.9	33
53	Vitamin B1 supported on silica-encapsulated γ -Fe ₂ O ₃ nanoparticles: design, characterization and application as a greener biocatalyst for highly efficient acylation. <i>RSC Advances</i> , 2014, 4, 8812.	1.7	33
54	A facile and efficient synthesis of α -amino alcohols using 2,2,2-trifluoroethanol as a metal-free and reusable medium. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 106-110.	0.9	32

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55	Protic ionic liquid [TMG][Ac] as an efficient, homogeneous and recyclable catalyst for Boc protection of amines. <i>Comptes Rendus Chimie</i> , 2010, 13, 544-547.	0.2	32
56	Nanosilver embedded on hydroxyapatite-encapsulated $\hat{\Gamma}^3$ -Fe ₂ O ₃ : Superparamagnetic catalyst for chemoselective oxidation of primary amines to N-monoalkylated hydroxylamines. <i>Applied Catalysis A: General</i> , 2011, 395, 34-38.	2.2	32
57	Thioglycoluril as a highly efficient, recyclable and novel organocatalyst for N-Boc protection of amines. <i>Tetrahedron Letters</i> , 2010, 51, 6388-6391.	0.7	31
58	Allylation of Quinones with Allylsilane in the Presence of Lithium Perchlorate in Ether. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 313-314.	4.4	30
59	Lithium perchlorate/diethyl ether catalyzed one-pot synthesis of $\hat{\Gamma}^{\pm}$ -hydrazinophosphonates from aldehydes by a three-component reaction. <i>Tetrahedron Letters</i> , 2001, 42, 8071-8073.	0.7	30
60	Erbium-Organic Framework as Heterogeneous Lewis Acid Catalysis for Hantzsch Coupling and Tetrahydro-4H-Chromene Synthesis. <i>Catalysis Letters</i> , 2017, 147, 453-462.	1.4	30
61	Transition-metal-free oxidative amidation of benzyl alcohols with amines catalyzed by NaI: a new method for the synthesis of benzamides. <i>Tetrahedron Letters</i> , 2014, 55, 5351-5353.	0.7	29
62	A novel one-pot reductive amination of aldehydes and ketones with lithium perchlorate and zirconium borohydride-piperazine complexes. <i>Tetrahedron</i> , 2007, 63, 3363-3366.	1.0	28
63	Guanidine derived ionic liquids: catalyst free medium for N-formylation of amines. <i>Arkivoc</i> , 2009, 2009, 123-129.	0.3	28
64	Transamidation of primary carboxamides, phthalimide, urea and thiourea with amines using Fe(OH) ₃ @Fe ₃ O ₄ magnetic nanoparticles as an efficient recyclable catalyst. <i>RSC Advances</i> , 2016, 6, 24684-24689.	1.7	27
65	Inhibition mediated stabilization effect of imidazolium based ionic liquids on alcohol dehydrogenase. <i>Journal of Molecular Liquids</i> , 2012, 170, 66-71.	2.3	26
66	Encapsulation of Pd(II) into superparamagnetic nanoparticles grafted with EDTA and their catalytic activity towards reduction of nitroarenes and Suzuki-Miyaura coupling. <i>Applied Organometallic Chemistry</i> , 2015, 29, 187-194.	1.7	26
67	Additive-free aerobic C-H oxidation through a defect-engineered Ce-MOF catalytic system. <i>Microporous and Mesoporous Materials</i> , 2021, 322, 111054.	2.2	26
68	Chelated-controlled diastereoselective Addition an $\hat{\Gamma}^{\pm}$ -Epoxy-Aldehyde. <i>Chemische Berichte</i> , 1994, 127, 905-909.	0.2	25
69	Reductive amination of aldehydes and ketones catalyzed by deep eutectic solvent using sodium borohydride as a reducing agent. <i>Journal of Molecular Liquids</i> , 2014, 196, 208-210.	2.3	24
70	Terbium-organic framework as heterogeneous Lewis acid catalyst for $\hat{\Gamma}^2$ -aminoalcohol synthesis: Efficient, reusable and green catalytic method. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3866.	1.7	24
71	A New and Efficient Epoxide Ring Opening via Poor Nucleophiles: Indole, p-Nitroaniline, Borane and O-Trimethylsilylhydroxylamine in Lithium Perchlorate. <i>Synthesis</i> , 2004, 2004, 1563-1565.	1.2	23
72	Hypervalent iodine-catalyzed oxidative amidation of methylarenes. <i>RSC Advances</i> , 2014, 4, 31817-31820.	1.7	23

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73	of different concentrations of Fe ₃ O ₄ nanoparticles for the synthesis of 2-aminobenzimidazole. Applied Organometallic Chemistry, 2020, 34, e5447.	3.0	23
74	Stabilizing Pd on magnetic phosphine-functionalized cellulose: DFT study and catalytic performance under deep eutectic solvent assisted conditions. Carbohydrate Polymers, 2020, 235, 115947.	5.1	23
75	Copper(I) creatine complex on magnetic nanoparticles as a green catalyst for N- and O-arylation in deep eutectic solvent. Applied Organometallic Chemistry, 2020, 34, e5447.	1.7	23
76	A General One-Pot, Three-Component Mono N-Alkylation of Amines and Amine Derivatives in Lithium Perchlorate/Diethyl Ether Solution. Synthesis, 2005, 2005, 627-633.	1.2	22
77	Imidazolium chloride immobilized on copper acetylacetonate-grafted magnetic chitosan as a new metal/ionic liquid bifunctional catalyst for selective oxidation of benzyl alcohols in water. RSC Advances, 2016, 6, 89313-89321.	1.7	22
78	H3PMo12O40 as a new and reusable catalyst for Mukaiyama and Mannich reactions in heterogeneous media. Journal of Molecular Catalysis A, 2008, 287, 5-8.	4.8	21
79	CuO nanoparticles supported on Fe ₃ O ₄ -modified CNTs: a magnetically separable catalyst for oxidative C-O coupling of formamides with 1,3-dicarbonyl compounds. Tetrahedron Letters, 2013, 54, 4178-4180.	0.7	21
80	Nanomagnetically Modified Sulfuric Acid (Fe ₃ O ₄ @SiO ₂ -OSO ₃ H): An Efficient, Fast, and Reusable Catalyst for Greener Paal-Knorr Pyrrole Synthesis. Catalysis Letters, 2014, 144, 1339-1343.	1.4	21
81	Preparation and characterization of magnetic Fe ₃ O ₄ nanofibers coated with uniform layers of silica. Ceramics International, 2014, 40, 5913-5919.	2.3	21
82	Deep eutectic solvent (DES) as dual solvent/catalyst for synthesis of Fe ₃ O ₄ -diazocarbonyl compounds using aldol-type coupling. Journal of Molecular Liquids, 2017, 234, 129-132.	2.3	21
83	Basic science in the Islamic Republic of Iran. Scientometrics, 2004, 61, 79-80.	1.6	20
84	Guanidine Acetic Acid Functionalized Magnetic Nanoparticles: Recoverable Green Catalyst for Transamidation. ChemistrySelect, 2016, 1, 6328-6333.	0.7	20
85	Life cycle assessment of nanoadsorbents at early stage technological development. Journal of Cleaner Production, 2018, 174, 527-537.	4.6	20
86	Central composite design for optimization of removal of trace amounts of toxic heavy metal ions from aqueous solution using magnetic Fe ₃ O ₄ functionalized by guanidine acetic acid as an efficient nano-adsorbent. Microchemical Journal, 2019, 147, 133-141.	2.3	20
87	Choline Azide: New Reagent and Ionic Liquid in Catalyst-Free and Solvent-Free Synthesis of 5-Substituted-1H-tetrazoles: A Triple Function Reagent. ChemistrySelect, 2018, 3, 116-121.	0.7	19
88	Copper-amino group complexes supported on silica-coated magnetite nanoparticles: efficient catalyst for oxidative amidation of methyl arenes. New Journal of Chemistry, 2018, 42, 3900-3908.	1.4	19
89	MnO ₂ @Mg-Al layered double hydroxide Nanosheets: A sustainable and recyclable photocatalyst toward oxidation of benzyl alcohol. Applied Clay Science, 2020, 187, 105494.	2.6	19
90	"Quantity over Quality": A Voice from the Third World. Chemistry and Biodiversity, 2005, 2, 730-737.	1.0	18

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91	Enantioselective addition of diethylzinc to aromatic aldehydes catalyzed by 14-hydroxylsubstituted morphinans. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1970-1972.	1.8	17
92	A catalyst-free synthesis of $\hat{\pm}$ -aminophosphonates in glycerol. <i>Tetrahedron Letters</i> , 2014, 55, 7236-7239.	0.7	17
93	Oxidative amidation of benzyl alcohol, benzaldehyde, benzoic acid styrene and phenyl acetylene catalyzed by ordered mesoporous HKUST-1@Cu: Effect of surface area on oxidative amidation reaction. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4822.	1.7	17
94	Imidazole-aryl coupling reaction via C-H bond activation catalyzed by palladium supported on modified magnetic reduced graphene oxide in alkaline deep eutectic solvent. <i>Catalysis Communications</i> , 2020, 135, 105890.	1.6	17
95	Improvement of Thermostability and Activity of Firefly Luciferase Through [TMG][Ac] Ionic Liquid Mediator. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 604-615.	1.4	16
96	Oxidation of secondary amines to nitrones using magnetically separable tungstophosphoric acid supported on silica-encapsulated $\hat{\pm}$ -Fe ₂ O ₃ nanoparticles. <i>Tetrahedron Letters</i> , 2013, 54, 6520-6523.	0.7	16
97	FeSO ₄ ·7H ₂ O-catalyzed oxidative amidation of methylarenes. <i>Tetrahedron Letters</i> , 2015, 56, 2674-2677.	0.7	16
98	Magnetic Nanoparticle-Supported Cu@NHC Complex as an Efficient and Recoverable Catalyst for Nitrile Hydration. <i>Catalysis Letters</i> , 2018, 148, 3378-3388.	1.4	16
99	g-C ₃ N ₄ @Ce-MOF Z-scheme heterojunction photocatalyzed cascade aerobic oxidative functionalization of styrene. <i>New Journal of Chemistry</i> , 2021, 45, 6671-6681.	1.4	16
100	The Binary Reagent (MeO) ₃ P/Me ₃ SiCl and (MeO) ₃ P/CH ₃ CO ₂ H in 5.0 M Lithium Perchlorate/Diethyl Ether. An Efficient Route to the Preparation of $\hat{\pm}$ -Hydrazinophosphonates and N-Hydroxy- $\hat{\pm}$ -aminophosphonates. <i>Chemistry Letters</i> , 2002, 31, 1146-1147.	0.7	15
101	Mesophilic alcohol dehydrogenase behavior in imidazolium based ionic liquids. <i>Journal of Molecular Liquids</i> , 2011, 161, 139-143.	2.3	15
102	Choline chloride/monoethylene glycol deep eutectic solvent as a new asphaltene precipitation inhibitor. <i>Petroleum Science and Technology</i> , 2017, 35, 1896-1902.	0.7	15
103	Fluorescence Chemosensory Determination of Cu ²⁺ Using a New Rhodamine@Morpholine Conjugate. <i>Chemosensors</i> , 2017, 5, 26.	1.8	15
104	Citric acid stabilized on the surface of magnetic nanoparticles as an efficient and recyclable catalyst for transamidation of carboxamides, phthalimide, urea and thiourea with amines under neat conditions. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 393-400.	1.2	15
105	Synthesis and Characterization of Copper(I)@Cysteine Complex Supported on Magnetic Layered Double Hydroxide as an Efficient and Recyclable Catalyst System for Click Chemistry Using Choline Azide as Reagent and Reaction Medium. <i>Catalysis Letters</i> , 2020, 150, 1186-1195.	1.4	15
106	Ultrasonic Synthesis and Characterization of 2D and 3D Metal@Organic Frameworks and Their Application in the Oxidative Amidation Reaction. <i>ACS Omega</i> , 2020, 5, 21412-21419.	1.6	15
107	Copper (II) immobilized on magnetically separable L-arginine- $\hat{\pm}$ -cyclodextrin ligand system as a robust and green catalyst for direct oxidation of primary alcohols and benzyl halides to acids in neat conditions. <i>Journal of Organometallic Chemistry</i> , 2020, 911, 121128.	0.8	15
108	Fluorinated solvent-assisted photocatalytic aerobic oxidative amidation of alcohols via visible-light-mediated HKUST-1/Cs-POMoW catalysis. <i>New Journal of Chemistry</i> , 2021, 45, 14024-14035.	1.4	15

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109	Oxidation of Primary Amines to N-Monoalkylhydroxylamines using Sodium Tungstate and Hydrogen Peroxide-Urea Complex. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1223-1225.	2.1	14
110	Investigation of structure, vibrational and NMR spectra of oxycodone and naltrexone: A combined experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 574-582.	2.0	14
111	Minimisation of E-Factor in the synthesis of N-hydroxylamines: the role of silver(i)-based coordination polymers. <i>Green Chemistry</i> , 2012, 14, 1971.	4.6	14
112	Silica-supported perchloric acid as a recyclable catalyst for efficient trimethylsilyl cyanide addition to aldehydes. <i>Applied Organometallic Chemistry</i> , 2008, 22, 12-14.	1.7	13
113	Ultrasound assisted synthesis of Cs _{2.5} H _{0.5} PW ₁₂ O ₄₀ : An efficient nano-catalyst for preparation of β -amino ketones via aza-Michael addition reactions. <i>Comptes Rendus Chimie</i> , 2011, 14, 597-603.	0.2	13
114	Preparation and characterization of copper chloride supported on citric acid-modified magnetite nanoparticles (Cu ²⁺ @Fe ₃ O ₄) and evaluation of its catalytic activity in the reduction of nitroarene compounds. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3822.	1.7	13
115	Glucose-coated superparamagnetic nanoparticle-catalysed pyrazole synthesis in water. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3641.	1.7	13
116	Architected Fe ₃ Pd ₂ (OH) ₂ [picolinic acid] ₈ (H ₂ O) ₄ Hybrid Nanorods: A Remarkably Reusable and Robust Heterogeneous Catalyst for Suzuki-Miyaura and Mizoroki-Heck Cross-Coupling Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12613-12620.	3.2	13
117	Folic Acid-Functionalized Magnetic Nanoparticles as Green and Magnetic Recyclable Catalyst for the Synthesis of 4-Aryl-1,2,3-triazoles in a Green Media. <i>ChemistrySelect</i> , 2019, 4, 11930-11935.	0.7	13
118	Aza-Michael Addition of 5-Substituted Tetrazole Catalysed By a Novel Nanoparticle Solid Base Catalyst Involving a Layered Zinc Hydroxide Supported on a Ferrite Core. <i>ChemistrySelect</i> , 2019, 4, 2568-2575.	0.7	13
119	CuO Nanoparticles as an Efficient and Reusable Catalyst for the One-pot Friedlander Quinoline Synthesis. <i>Bulletin of the Korean Chemical Society</i> , 2011, 32, 3853-3854.	1.0	12
120	Oxidative coupling of formamides with β -dicarbonyl compounds and the synthesis of 2-aminobenzothiazole using Cu(II)-functionalized Fe ₃ O ₄ nanoparticles. <i>Tetrahedron Letters</i> , 2015, 56, 812-816.	0.7	12
121	Thiourea-functionalized magnetic hydroxyapatite as a recyclable inorganic-organic hybrid nanocatalyst for conjugate hydrocyanation of chalcones with TMSCN. <i>Catalysis Communications</i> , 2015, 72, 6-10.	1.6	12
122	Novel Magnetically Separable Sulfated Boric Acid Functionalized Nanoparticles for Hantzsch Ester Synthesis. <i>Synlett</i> , 2016, 27, 1810-1813.	1.0	12
123	Direct oxidative esterification of toluene with β -dicarbonyl compounds catalysed by copper complex supported on magnetic nanoparticles. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3658.	1.7	12
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