# Majid M Heravi

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#	Paper	IF	Citations
829	12-Molybdophosphoric acid: A recyclable catalyst for the synthesis of Biginelli-type 3,4-dihydropyrimidine-2(1H)-ones. <i>Catalysis Communications</i> , <b>2006</b> , 7, 373-376	3.2	169
828	Highly efficient, four-component one-pot synthesis of tetrasubstituted imidazoles using Keggin-type heteropolyacids as green and reusable catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 263, 112-114		159
827	Recent application of isocyanides in synthesis of heterocycles. <i>Tetrahedron</i> , <b>2011</b> , 67, 2707-2752	2.4	158
826	Synthesis of 2,4,5-triaryl-imidazoles catalyzed by NiCl2l6H2O under heterogeneous system. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 263, 279-281		158
825	Recent advances in the application of the Sonogashira method in the synthesis of heterocyclic compounds. <i>Tetrahedron</i> , <b>2009</b> , 65, 7761-7775	2.4	152
824	Three component, one-pot synthesis of dihydropyrano[3,2-c]chromene derivatives in the presence of H6P2W18O62 [18H2O] as a green and recyclable catalyst. <i>Catalysis Communications</i> , <b>2008</b> , 10, 272-27	<b>7</b> ₹.2	145
823	Buchwald-Hartwig reaction: An overview. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 861, 17-104	2.3	138
822	Aqua mediated synthesis of substituted 2-amino-4H-chromenes catalyzed by green and reusable Preyssler heteropolyacid. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 4262-5	2.9	135
821	Nano-Fe3O4 Encapsulated-Silica Particles Bearing Sulfonic Acid Groups as a Magnetically Separable Catalyst for Highly Efficient Knoevenagel Condensation and Michael Addition Reactions of Aromatic Aldehydes with 1,3-Cyclic Diketones. <i>Chinese Journal of Catalysis</i> , <b>2012</b> , 33, 1825-1831	11.3	131
820	On Water: A practical and efficient synthesis of quinoxaline derivatives catalyzed by CuSO4[]5H2O. <i>Catalysis Communications</i> , <b>2007</b> , 8, 211-214	3.2	131
819	Oxazolidinones as chiral auxiliaries in asymmetric aldol reactions applied to total synthesis. <i>Tetrahedron: Asymmetry</i> , <b>2013</b> , 24, 1149-1188		129
818	A catalytic method for synthesis of Biginelli-type 3,4-dihydropyrimidin-2 (1H)-one using 12-tungstophosphoric acid. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 242, 173-175		120
817	Preyssler catalyst, [NaP5W30O110]14[]A green, efficient and reusable catalyst for esterification of salicylic acid with aliphatic and benzylic alcohols. <i>Applied Catalysis A: General</i> , <b>2006</b> , 302, 42-47	5.1	119
816	Prescribed drugs containing nitrogen heterocycles: an overview RSC Advances, 2020, 10, 44247-44311	3.7	118
815	Recent applications of the Suzuki reaction in total synthesis. <i>Tetrahedron</i> , <b>2012</b> , 68, 9145-9178	2.4	118
814	Isocyanide-based multicomponent reactions in the synthesis of heterocycles. <i>RSC Advances</i> , <b>2016</b> , 6, 53203-53272	3.7	116
813	Recent progress in asymmetric Biginelli reaction. <i>Molecular Diversity</i> , <b>2013</b> , 17, 389-407	3.1	115

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812	Recent developments of the Stille reaction as a revolutionized method in total synthesis. <i>Tetrahedron</i> , <b>2014</b> , 70, 7-21	2.4	113
811	Catalytic aromatization of Hantzsch 1,4-dihydropyridines by ferric perchlorate in acetic acid. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 2775-2777	2	112
810	K7[PW11CoO40]-catalyzed one-pot synthesis of polyhydroquinoline derivatives via the Hantzsch three component condensation. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 264, 50-52		107
809	Preparation and application of poly(2-amino thiophenol)/MWCNTs nanocomposite for adsorption and separation of cadmium and lead ions via solid phase extraction. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 203-204, 93-100	12.8	106
808	Recent applications of the hetero DielsAlder reaction in the total synthesis of natural products. <i>RSC Advances</i> , <b>2015</b> , 5, 101999-102075	3.7	104
807	Electrogenerated base-promoted synthesis of tetrahydrobenzo[b]pyran derivatives. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 5379-5381	2	100
806	Zn[(l)proline]: A powerful catalyst for the very fast synthesis of quinoxaline derivatives at room temperature. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1341-1344	3.2	99
805	Natural HEU type zeolite catalyzed Biginelli reaction for the synthesis of 3,4-dihydropyrimidin-2(1H) one derivatives. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 236, 216-219		99
804	Recent applications of intramolecular DielsAlder reaction in total synthesis of natural products. <i>RSC Advances</i> , <b>2015</b> , 5, 50890-50912	3.7	96
803	Self-assembled micelles of well-defined pentaerythritol-centered amphiphilic A4B8 star-block copolymers based on PCL and PEG for hydrophobic drug delivery. <i>Polymer</i> , <b>2011</b> , 52, 2799-2809	3.9	95
802	Total synthesis of natural products containing benzofuran rings. RSC Advances, 2017, 7, 24470-24521	3.7	94
801	Current Applications of SuzukiMiyaura Coupling Reaction in The Total Synthesis of Natural Products: An update. <i>Applied Organometallic Chemistry</i> , <b>2018</b> , 32, e4210	3.1	91
800	Pd@HNTs-CDNS-g-CN: A novel heterogeneous catalyst for promoting ligand and copper-free Sonogashira and Heck coupling reactions, benefits from halloysite and cyclodextrin chemistry and g-CN contribution to suppress Pd leaching. <i>Carbohydrate Polymers</i> , <b>2018</b> , 186, 25-34	10.3	91
799	Recent developments in use of heteropolyacids, their salts and polyoxometalates in organic synthesis. <i>Journal of the Iranian Chemical Society</i> , <b>2009</b> , 6, 1-54	2	91
798	Applications of oxazolidinones as chiral auxiliaries in the asymmetric alkylation reaction applied to total synthesis. <i>RSC Advances</i> , <b>2016</b> , 6, 30498-30551	3.7	90
797	Wet cyanuric chloride catalyzed simple and efficient synthesis of 14-aryl or alkyl-14-H-dibenzo[a,j]xanthenes. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1595-1598	3.2	89
796	Recent applications of organocatalysts in asymmetric aldol reactions. <i>Tetrahedron: Asymmetry</i> , <b>2012</b> , 23, 1431-1465		88
795	Beyond a solvent: triple roles of dimethylformamide in organic chemistry RSC Advances, 2018, 8, 2783	32 <i>3</i> 2786	5 <b>2</b> 87

794	A three component one-pot procedure for the synthesis of [1,2,4]triazolo/benzimidazolo-quinazolinone derivatives in the presence of H6P2W18O(62).18H2O as a green and reusable catalyst. <i>Molecular Diversity</i> , <b>2008</b> , 12, 181-5	3.1	87
793	Catalytic synthesis of 6-aryl-1H-pyrazolo[3,4-d]pyrimidin-4[5H]-ones by heteropolyacid: H14[NaP5W30O110] and H3PW12O40. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 249, 1-3		87
792	Paal <b>K</b> norr Reaction in the Synthesis of Heterocyclic Compounds. <i>Advances in Heterocyclic Chemistry</i> , <b>2014</b> , 111, 95-146	2.4	85
791	Heteropolyacids as heterogeneous and recyclable catalysts for the synthesis of benzimidazoles. <i>Catalysis Communications</i> , <b>2008</b> , 9, 504-507	3.2	85
790	A catalytic method for synthesis of butyrolactone, e-caprolactone and 2-cumaranone in the presence of Preyssler's anion, [NaP5W30O110]14 as a green and reusable catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 252, 90-95		85
789	A green and convenient protocol for the synthesis of novel pyrazolopyranopyrimidines via a one-pot, four-component reaction in water. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 1226-1228	2	84
788	N-oxidation of pyridine carboxylic acids using hydrogen peroxide catalyzed by a green heteropolyacid catalyst: Preyssler's anion, [NaP5W30O110]14[] <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 252, 219-225		83
787	Rh-catalyzed asymmetric 1,4-addition reactions to <code>munsaturated</code> carbonyl and related compounds: an update. <i>Tetrahedron: Asymmetry</i> , <b>2016</b> , 27, 513-588		81
786	PdCl 2 on modified poly(styrene-co-maleic anhydride): A highly active and recyclable catalyst for the SuzukiMiyaura and Sonogashira reactions. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 394, 74-82		81
785	Solvent-free multicomponent reactions using the novel N-sulfonic acid modified poly(styrene-maleic anhydride) as a solid acid catalyst. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 392, 173	3-180	79
784	Silica supported perchloric acid (HClO4-SiO2): A mild, reusable and highly efficient heterogeneous catalyst for the synthesis of 14-aryl or alkyl-14-H-dibenzo[a,j]xanthenes. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 275, 25-29		79
783	Pd nanoparticles immobilized on the poly-dopamine decorated halloysite nanotubes hybridized with N-doped porous carbon monolayer: A versatile catalyst for promoting Pd catalyzed reactions. <i>Journal of Catalysis</i> , <b>2018</b> , 366, 245-257	7.3	78
782	☑eofenЏa user-friendly oxidizing reagent. Chemical Communications, 1999, 833-834	5.8	77
781	A Novel and Efficient Catalyst to One-Pot Synthesis of 2-Amino-4H-Chromenes by Methanesulfonic Acid. <i>Journal of the Chinese Chemical Society</i> , <b>2008</b> , 55, 659-662	1.5	76
78o	A convenient oxidative deprotection of tetrahydropyranyl ethers with iron(III) nitrate and clay under microwave irradiation in solvent free conditions. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 561-562	2	76
779	In situ prepared copper nanoparticles on modified KIT-5 as an efficient recyclable catalyst and its applications in click reactions in water. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 402, 100-108		74
778	An efficient and chemoselective synthesis of acylals from aromatic aldehydes and their regeneration, catalyzed by 12-molybdophosphoric acid. <i>Catalysis Communications</i> , <b>2006</b> , 7, 499-501	3.2	74
777	An efficient synthesis of 2,4,6-triarylpyridines catalyzed by heteropolyacid under solvent-free conditions. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1991-1994	3.2	73

776	Applications of Sharpless asymmetric epoxidation in total synthesis. <i>Tetrahedron: Asymmetry</i> , <b>2015</b> , 26, 405-495		72
775	Fischer indole synthesis applied to the total synthesis of natural products. <i>RSC Advances</i> , <b>2017</b> , 7, 52852	- <b>57</b> 88'	<b>7</b> 72
774	Highly Efficient, Four Component, One-pot Synthesis of Tetrasubstituted Imidazoles Using a Catalytic Amount of FeCl3 []6H2O. <i>Monatshefte F</i> [] Chemie, <b>2008</b> , 139, 31-33	1.4	72
773	Green, One-Pot, Solvent-Free Synthesis of 1,2,4,5-Tetrasubstituted Imidazoles Using a Brfisted Acidic Ionic Liquid as Novel and Reusable Catalyst. <i>Synthetic Communications</i> , <b>2010</b> , 40, 2588-2597	1.7	70
772	A novel three-component reaction for the synthesis of N-cyclohexyl-3-aryl-quinoxaline-2-amines. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 767-769	2	70
771	Silica Gel-Supported Polyphosphoric Acid (PPA-SiO2) Catalyzed One-Pot Multi-Component Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones and -thiones: An Efficient Method for the Biginelli Reaction. <i>Bulletin of the Korean Chemical Society</i> , <b>2011</b> , 32, 656-658	1.2	69
77°	Negishi coupling: an easy progress for C-C bond construction in total synthesis. <i>Molecular Diversity</i> , <b>2014</b> , 18, 441-72	3.1	68
769	Zn[(L)proline]2: An Efficient Catalyst for the Synthesis of Biologically Active Pyrano[2,3-d]pyrimidine Derivatives. <i>Synthetic Communications</i> , <b>2010</b> , 40, 1927-1931	1.7	68
768	Sulfamic Acidnatalyzed, Three-Component, One-Pot Synthesis of [1,2,4]Triazolo/Benzimidazolo Quinazolinone Derivatives. <i>Synthetic Communications</i> , <b>2010</b> , 40, 677-685	1.7	67
767	Magnetic nano-Fe3O4@TiO2/Cu2O coreBhell composite: an efficient novel catalyst for the regioselective synthesis of 1,2,3-triazoles using a click reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 45775-45784	3.7	66
766	Recent advances in Kumada-Tamao-Corriu cross-coupling reaction catalyzed by different ligands. <i>Monatshefte Fil Chemie</i> , <b>2012</b> , 143, 1575-1592	1.4	66
765	H14[NaP5W30O110]: A heteropoly acid catalyzed acetylation of alcohols and phenols in acetic anhydride. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 253, 16-19		66
764	Zeolites. Efficient and Eco-friendly Catalysts for the Synthesis of Benzimidazoles. <i>Monatshefte Fill Chemie</i> , <b>2006</b> , 137, 175-179	1.4	66
763	The synthesis of coumarin-3-carboxylic acids and 3-acetyl-coumarin derivatives using heteropolyacids as heterogeneous and recyclable catalysts. <i>Catalysis Communications</i> , <b>2008</b> , 9, 470-474	3.2	65
762	Role of various heteropolyacids in the reaction of 4-hydroxycoumarin, aldehydes and ethylcyanoacetate. <i>Catalysis Communications</i> , <b>2009</b> , 10, 1643-1646	3.2	64
761	Wells-Dawson Type Heteropolyacid Catalyzed Synthesis of Quinoxaline Derivatives at Room Temperature. <i>Monatshefte Fil Chemie</i> , <b>2007</b> , 138, 465-467	1.4	63
760	BischlerNapieralski Reaction in the Syntheses of Isoquinolines*. <i>Advances in Heterocyclic Chemistry</i> , <b>2014</b> , 183-234	2.4	62
759	Recent Development in the Asymmetric Michael Addition for Carbon-Carbon Bond Formation.  Current Organic Chemistry, <b>2014</b> , 18, 489-511	1.7	62

758	Eggplant-Derived Biochar-Halloysite Nanocomposite as Supports of Pd Nanoparticles for the Catalytic Hydrogenation of Nitroarenes in the Presence of Cyclodextrin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 6720-6731	8.3	62
757	One-pot three-component synthesis of the spiroacenaphthylene derivatives. <i>Tetrahedron</i> , <b>2010</b> , 66, 534	4 <b>5-5</b> 34	861
756	A novel and facile synthesis of 2-(cyclohexylamino)-6,7-dihydro-3-aryl-1H-indole-4(5H)-ones via a one-pot multi-component reaction. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 6101-6103	2	61
755	Pdtu catalyzed heterocyclization during Sonogashira coupling: synthesis of 3-benzylthiazolo[3,2- a ]benzimidazole. <i>Tetrahedron Letters</i> , <b>2004</b> , 45, 5747-5749	2	61
754	Highly efficient synthesis of coumarin derivatives in the presence of H14[NaP5W30O110] as a green and reusable catalyst. <i>Catalysis Communications</i> , <b>2007</b> , 8, 1886-1890	3.2	59
753	Facile heteropolyacid-promoted synthesis of 14-substituted-14-H-dibenzo[a,j] xanthene derivatives under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , <b>2007</b> , 273, 99-101		59
752	Wet Alumina Supported Chromium(VI) Oxide: A Mild, Efficient and Inexpensive Reagent for Oxidative Deprotection of Trimethylsilyl and Tetrahydropyranyl Ethers in a Solventless System. <i>Synthesis</i> , <b>1999</b> , 1999, 393-394	2.9	59
751	H14[NaP5W30O110] catalyzed one-pot three-component synthesis of dihydropyrano[2,3-c]pyrazole and pyrano[2,3-d]pyrimidine derivatives. <i>Journal of the Iranian Chemical Society</i> , <b>2010</b> , 7, 615-620	2	58
75°	Green and reusable heteropolyacid catalyzed oxidation of benzylic, allylic and aliphatic alcohols to carbonyl compounds. <i>Catalysis Communications</i> , <b>2007</b> , 8, 315-318	3.2	58
749	H6P2W18O62: An efficient and reusable catalyst for one-pot synthesis of 由cetamido ketone and esters. <i>Catalysis Communications</i> , <b>2007</b> , 8, 289-291	3.2	58
748	Development of Recent Total Syntheses Based on the Heck Reaction. <i>Current Organic Chemistry</i> , <b>2013</b> , 17, 2192-2224	1.7	58
747	Recent Advances in the Synthesis of Benzo[b]furans. <i>Advances in Heterocyclic Chemistry</i> , <b>2015</b> , 117, 261	-3746	57
746	Recent Advances in the Application of the Heck Reaction in the Synthesis of Heterocyclic Compounds. <i>Heterocycles</i> , <b>2010</b> , 81, 1979	0.8	57
745	Catalytic performance of Preyssler heteropolyacid as a green and recyclable catalyst in oxidation of primary aromatic amines. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 255, 193-198		57
744	An eco-friendly catalytic route for synthesis of 4-amino-pyrazolo[3,4-d]pyrimidine derivatives by Keggin heteropolyacids under classical heating and microwave irradiation. <i>Journal of Molecular Catalysis A</i> , <b>2006</b> , 256, 238-241		57
743	Pechmann Reaction in the Synthesis of Coumarin Derivatives. <i>Advances in Heterocyclic Chemistry</i> , <b>2014</b> , 1-50	2.4	56
742	A green approach to the synthesis of Ag doped nano magnetic Fe2O3@SiO2-CD coreBhell hollow spheres as an efficient and heterogeneous catalyst for ultrasonic-assisted A3 and KA2 coupling reactions. <i>RSC Advances</i> , <b>2017</b> , 7, 36807-36818	3.7	56
741	A convenient synthesis of bis(indolyl)methanes catalyzed by diphosphooctadecatungstic acid. <i>Catalysis Communications</i> , <b>2008</b> , 9, 289-292	3.2	56

## (2017-2005)

740	Regioselective synthesis of 6-benzylthiazolo[3,2-b]1,2,4-triazoles during Sonogashira coupling. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 1607-1610	2	55
739	Sulfonated Carbon Catalyzed Biginelli Reaction for One-Pot Synthesis of 3,4-Dihydropyrimidin-2(1H)-ones and -thiones. <i>Chinese Journal of Catalysis</i> , <b>2012</b> , 33, 706-710	11.3	54
738	Dimethyl Acetylenedicarboxylate as a Building Block in Heterocyclic Synthesis Advances in Heterocyclic Chemistry, <b>2014</b> , 1-66	2.4	53
737	Heteropoly acids-catalyzed organic reactions in water: doubly green reactions. <i>Green Chemistry Letters and Reviews</i> , <b>2013</b> , 6, 282-300	4.7	53
736	A novel hybrid catalytic system based on immobilization of phosphomolybdic acid on ionic liquid decorated cyclodextrin-nanosponges: Efficient catalyst for the green synthesis of benzochromeno-pyrazole through cascade reaction: Triply green. <i>Journal of Molecular Liquids</i> , <b>2017</b>	6	51
735	, 231, 98-105 Recent Advances in Application of Amino Acids: Key Building Blocks in Design and Syntheses of Heterocyclic Compounds. <i>Advances in Heterocyclic Chemistry</i> , <b>2015</b> , 114, 77-145	2.4	51
734	Click Synthesis of 5-Substituted 1H-Tetrazoles from Aldehydes, Hydroxyl mine, and [bmim] N3 via One-Pot, Three-Component Reaction. <i>Synlett</i> , <b>2012</b> , 23, 2927-2930	2.2	51
733	Huisgen Cycloaddition Reactions: A Full Perspective. Current Organic Chemistry, 2016, 20, 1591-1647	1.7	51
732	A facile, mild and efficient one-pot synthesis of 2-substituted indole derivatives catalyzed by Pd(PPh3)2Cl2. <i>Molecules</i> , <b>2007</b> , 12, 1438-46	4.8	50
731	Facile synthesis of quinoxaline derivatives using o-iodoxybenzoic acid (IBX) at room temperature. <i>Arkivoc</i> , <b>2007</b> , 2006, 16-22	0.9	50
730	Bischler-Napieralski Reaction in Total Synthesis of Isoquinoline-based Natural Products. An Old Reaction, a New Application. <i>Current Organic Chemistry</i> , <b>2015</b> , 19, 2358-2408	1.7	49
729	Current applications of organocatalysts in asymmetric aldol reactions: An update. <i>Tetrahedron: Asymmetry</i> , <b>2017</b> , 28, 587-707		48
728	Synthesis, characterization and structure of a tetrameric DABCOBromine complex: a novel oxidizing agent for oxidation of alcohols to carbonyl compounds. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 6243-62	245	48
7 <del>2</del> 7	Cu@furfural imine-decorated halloysite as an efficient heterogeneous catalyst for promoting ultrasonic-assisted A3 and KA2 coupling reactions: a combination of experimental and computational study. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13935-13951	3.6	47
726	Recent advances in C-heteroatom bond forming by asymmetric Michael addition. <i>Molecular Diversity</i> , <b>2014</b> , 18, 411-39	3.1	47
725	An efficient synthesis of thiazol-2-imine derivatives via a one-pot, three-component reaction. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 392-394	2	47
724	Electrochemistry of the interaction of furazolidone and bovine serum albumin. <i>Bioelectrochemistry</i> , <b>2009</b> , 77, 26-30	5.6	47
723	Palladium acetate supported on amidoxime-functionalized magnetic cellulose: Synthesis, DFT study and application in Suzuki reaction. <i>Carbohydrate Polymers</i> , <b>2017</b> , 177, 165-177	10.3	46

722	A direct oxidative route for the synthesis of pyrimidines using heteropolyacids. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 662-666	2	46
721	Sulfamic acid catalyzed solvent-free synthesis of 10-aryl-7,7-dimethyl-6,7,8,10-tetrahydro-9H-[1,3]-dioxolo [4,5-b]xanthen-9-ones and 12-aryl-9,9-dimethyl-8,9,10,12-tetrahydro-11H-benzo[a]xanthen-11-ones. <i>Molecular Diversity</i> , <b>2010</b> ,	3.1	46
720	Mild and efficient tetrahydropyranylation of alcohols and dehydropyranylation of THP ethers catalyzed by ferric perchlorate. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 2543-2545	2	46
719	Ketenes as Privileged Synthons in the Syntheses of Heterocyclic Compounds. Part 1: Three- and Four-Membered Heterocycles. <i>Advances in Heterocyclic Chemistry</i> , <b>2014</b> , 113, 143-244	2.4	45
718	Heteropolyacid supported on amine-functionalized halloysite nano clay as an efficient catalyst for the synthesis of pyrazolopyranopyrimidines via four-component domino reaction. <i>Research on Chemical Intermediates</i> , <b>2017</b> , 43, 2201-2214	2.8	45
717	Brfisted Acid Ionic Liquid [(CH2)4SO3HMIM][HSO4] as Novel Catalyst for One-Pot Synthesis of Hantzsch Polyhydroquinoline Derivatives. <i>Synthetic Communications</i> , <b>2010</b> , 40, 523-529	1.7	45
716	Ketenes as Privileged Synthons in the Syntheses of Heterocyclic Compounds Part 2: Five-Membered Heterocycles. <i>Advances in Heterocyclic Chemistry</i> , <b>2015</b> , 147-225	2.4	44
715	Ionic liquid decorated chitosan hybridized with clay: A novel support for immobilizing Pd nanoparticles. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 183-190	10.3	44
714	Electrochemistry and voltammetric determination of furazolidone with a multi-walled nanotube composite film-glassy carbon electrode. <i>Journal of Applied Electrochemistry</i> , <b>2011</b> , 41, 137-142	2.6	44
713	Recent applications of Stille reaction in total synthesis of natural products: An update. <i>Journal of Organometallic Chemistry</i> , <b>2018</b> , 869, 106-200	2.3	44
712	Combination of carbon nanotube and cyclodextrin nanosponge chemistry to develop a heterogeneous Pd-based catalyst for ligand and copper free C-C coupling reactions. <i>Carbohydrate Polymers</i> , <b>2018</b> , 185, 48-55	10.3	43
711	Applications of sharpless asymmetric dihydroxylation in the total synthesis of natural products. <i>Tetrahedron: Asymmetry</i> , <b>2017</b> , 28, 987-1043		43
710	An unexpected tetracyclic product isolated during the synthesis of biscoumarins catalyzed by [MIM(CH2)4SO3H][HSO4]: Characterization and X-ray crystal structure of 7-(2-hydroxy-4-oxo-4H-chromen-3-yl)-6H,7H-chromeno[4,3-b]chromen-6-one. <i>Journal of Molecular</i>	6	43
709	Liquids, <b>2011</b> , 163, 122-127 Brlisted-acidic ionic liquid [HO3S(CH2)4MIM][HSO4] as efficient and reusable catalyst for one-pot synthesis of  由cetamido ketones. <i>Monatshefte Fil Chemie</i> , <b>2009</b> , 140, 1499-1502	1.4	43
708	In situ prepared CuI nanoparticles on modified poly(styrene-co-maleic anhydride): an efficient and recyclable catalyst for the azidellkyne click reaction in water. <i>Transition Metal Chemistry</i> , <b>2014</b> , 39, 593	s-601	41
707	Recent advances in application of intramolecular Suzuki cross-coupling in cyclization and heterocyclization. <i>Monatshefte Fil Chemie</i> , <b>2012</b> , 143, 861-880	1.4	41
706	Regioselective and high-yielding bromination of aromatic compounds using hexamethylenetetramineBromine. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 8959-8963	2	41
705	Applications of Mannich Reaction in Total Syntheses of Natural Products. <i>Current Organic Chemistry</i> , <b>2014</b> , 18, 2857-2891	1.7	41

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704	Application of asymmetric Sharpless aminohydroxylation in total synthesis of natural products and some synthetic complex bio-active molecules <i>RSC Advances</i> , <b>2018</b> , 8, 6634-6659	3.7	40	
703	Pd nanoparticles immobilized on halloysite decorated with a cyclodextrin modified melamine-based polymer: a promising heterogeneous catalyst for hydrogenation of nitroarenes. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 15733-15742	3.6	40	
702	A novel multi-component synthesis of 4-arylaminoquinazolines. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 943-945	2	40	
701	Solvent free Tetrahydropyranylation of Alcohols and Phenols over Sulfuric Acid Adsorbed on Silica Gel. <i>Synthetic Communications</i> , <b>1999</b> , 29, 1013-1016	1.7	40	
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697	Towards click chemistry: Multicomponent reactions via combinations of name reactions. <i>Tetrahedron</i> , <b>2018</b> , 74, 3391-3457	2.4	38	
696	Application of the Asymmetric Pictet-Spengler Reaction in the Total Synthesis of Natural Products and Relevant Biologically Active Compounds. <i>Molecules</i> , <b>2018</b> , 23,	4.8	38	
695	Efficient and Green Synthesis of 1,2-Disubstituted Benzimidazoles and Quinoxalines Using Br?nsted Acid Ionic Liquid, [(CH2)4SO3HMIM][HSO4], in Water at Room Temperature. <i>Synthetic Communications</i> , <b>2010</b> , 40, 1216-1223	1.7	38	
694	KHSO4: a catalyst for the chemo-selective preparation of 1,1-diacetates from aldehydes under solvent-free conditions. <i>Green Chemistry</i> , <b>2005</b> , 7, 867	10	38	
693	Catalytic acetylation of alcohols and phenols with ferric perchlorate in acetic acid. <i>Catalysis Communications</i> , <b>2006</b> , 7, 136-139	3.2	38	
692	Synthesis of N-arylphthalimides catalyzed by 1,4-diazabicyclo[2,2,2]octane [DABCO] in solventless system. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 231, 89-91		38	
691	One-Pot, Three-Component Synthesis of 4H-Pyrans Using Cu(II) Oxymetasilicate. <i>Synthetic Communications</i> , <b>2009</b> , 39, 3663-3667	1.7	37	
690	Microwave-assisted solid-phase synthesis of 2,4,5-triaryl imidazoles in solventless system: An improved protocol. <i>Heteroatom Chemistry</i> , <b>2006</b> , 17, 699-702	1.2	37	
689	Solvent Free Synthesis of Coumarins. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2002</b> , 177, 2555-2559	1	37	
688	Current advances in the utility of functionalized SBA mesoporous silica for developing encapsulated nanocatalysts: state of the art. <i>RSC Advances</i> , <b>2017</b> , 7, 30815-30838	3.7	36	
687	Current advances in the synthesis and biological potencies of tri- and tetra-substituted 1H-imidazoles. <i>Molecular Diversity</i> , <b>2015</b> , 19, 577-623	3.1	36	

686	Interaction of ciprofloxacin with DNA studied by spectroscopy and voltammetry at MWCNT/DNA modified glassy carbon electrode. <i>Talanta</i> , <b>2013</b> , 103, 194-200	6.2	36
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683	Applications of Friedel-Crafts reactions in total synthesis of natural products <i>RSC Advances</i> , <b>2018</b> , 8, 40061-40163	3.7	36
682	Oxidative aromatization of Hantzsch 1,4-dihydropyridines in the presence of mixed-addenda vanadomolybdophosphate heteropolyacid, H6PMo9V3O40. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 3305-9	2.9	35
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677	Recent Advances in Applications of POMs and Their Hybrids in Catalysis. <i>Current Organic Chemistry</i> , <b>2016</b> , 20, 1404-1444	1.7	34
676	Copper(II) nanoparticles: an efficient and reusable catalyst in green oxidation of benzyl alcohols to benzaldehydes in water. <i>Applied Organometallic Chemistry</i> , <b>2016</b> , 30, 823-830	3.1	34
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674	A nanocomposite made from conducting organic polymers and multi-walled carbon nanotubes for the adsorption and separation of gold(III) ions. <i>Mikrochimica Acta</i> , <b>2011</b> , 175, 315-322	5.8	33
673	Ultrasound assisted synthesis of Pd NPs decorated chitosan-starch functionalized FeO nanocomposite catalyst towards Suzuki-Miyaura coupling and reduction of 4-nitrophenol. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 172, 104-113	7.9	33
672	Ketenes as Privileged Synthons in the Synthesis of Heterocyclic Compounds Part 3. <i>Advances in Heterocyclic Chemistry</i> , <b>2016</b> , 195-291	2.4	33
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670	Palladated Nanocomposite of Halloysite-Nitrogen-Doped Porous Carbon Prepared from a Novel Cyano-/Nitrile-Free Task Specific Ionic Liquid: An Efficient Catalyst for Hydrogenation. <i>ACS Omega</i> , <b>2019</b> , 4, 19442-19451	3.9	32
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668	Caro's AcidBilica Gel: An Efficient and Versatile Catalyst for the One-Pot Synthesis of Tetrahydrobenzo[b]pyran Derivatives. <i>Synthetic Communications</i> , <b>2011</b> , 41, 436-440	1.7	32
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663	Catalytic multicomponent reactions based on isocyanides. <i>Journal of the Iranian Chemical Society</i> , <b>2011</b> , 8, 306-373	2	31
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652	Application of Sulfamic Acid in Organic Synthesis-A Short Review. <i>Current Organic Chemistry</i> , <b>2009</b> , 13, 1002-1014	1.7	29
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258	Reductive Amination of Aldehydes and Ketones with Sodium Borohydride Supported Onto HZSM-5 Zeolite Under Microwave Irradiation in a Solvent Free System. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2005</b> , 180, 2047-2050	1	6
257	Regioselective Synthesis of 3-Benzylthiazolo[3,2-a]pyrimidones and 3-Benzyl-thiazolo[3,2-c]pyrimidones Through Palladium-Catalyzed Heteroannulation of Acetylenic Compounds. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2005</b> , 180, 2407-2417	1	6
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254	DIRECT OXIDATIVE DEPROTECTION OF TETRAHYDROPYRANYL ETHERS USING HEXAMETHYLENETETRAMINE-BROMINE SUPPORTED ONTO SILICA GEL UNDER MICROWAVE IRRADIATION IN SOLVENTLESS SYSTEM. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> ,	1	6
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245		1.4	6
	Dihydropyrimidin-2(1H)-ones. <i>Journal of the Korean Chemical Society</i> , <b>2009</b> , 53, 90-94  Chrom(VI)oxid auf feuchtem Aluminiumoxid: Ein mildes, effizientes und billiges Reagenszur oxidativen Entschlzung von Trimethylsilyl- und Tetrahydropyranylethern. <i>Monatshefte Fil Chemie</i> ,	1.4 3.4	
244	Dihydropyrimidin-2(1H)-ones. <i>Journal of the Korean Chemical Society</i> , <b>2009</b> , 53, 90-94  Chrom(VI)oxid auf feuchtem Aluminiumoxid: Ein mildes, effizientes und billiges Reagenszur oxidativen Entschlzung von Trimethylsilyl- und Tetrahydropyranylethern. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 337  12-Tungstoboric acid (H5BW12O40) as an efficient Lewis acid catalyst for the synthesis of chromenopyrimidine-2,5-diones and thioxochromenopyrimidin-5-ones: Joint experimental and	·	6
244	Dihydropyrimidin-2(1H)-ones. <i>Journal of the Korean Chemical Society</i> , <b>2009</b> , 53, 90-94  Chrom(VI)oxid auf feuchtem Aluminiumoxid: Ein mildes, effizientes und billiges Reagenszur oxidativen Entschlzung von Trimethylsilyl- und Tetrahydropyranylethern. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 337  12-Tungstoboric acid (H5BW12O40) as an efficient Lewis acid catalyst for the synthesis of chromenopyrimidine-2,5-diones and thioxochromenopyrimidin-5-ones: Joint experimental and computational study. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1205, 127598  Recent applications of the Wittig reaction in alkaloid synthesis. <i>The Alkaloids Chemistry and Biology</i> ,	3.4	6
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244 243 242 241	Dihydropyrimidin-2(1H)-ones. <i>Journal of the Korean Chemical Society</i> , <b>2009</b> , 53, 90-94  Chrom(VI)oxid auf feuchtem Aluminiumoxid: Ein mildes, effizientes und billiges Reagenszur oxidativen Entschlizung von Trimethylsilyl- und Tetrahydropyranylethern. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 337  12-Tungstoboric acid (H5BW12O40) as an efficient Lewis acid catalyst for the synthesis of chromenopyrimidine-2,5-diones and thioxochromenopyrimidin-5-ones: Joint experimental and computational study. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1205, 127598  Recent applications of the Wittig reaction in alkaloid synthesis. <i>The Alkaloids Chemistry and Biology</i> , <b>2020</b> , 84, 201-334  Bio-assisted synthesized Ag(0) nanoparticles stabilized on hybrid of sepiolite and chitin: efficient catalytic system for xanthene synthesis. <i>Scientific Reports</i> , <b>2020</b> , 10, 15285  Applications of Wittig Reaction in the Total Synthesis of Natural Macrolides. <i>ChemistrySelect</i> , <b>2020</b> ,	3.4 4.8 4.9	<ul><li>6</li><li>6</li><li>6</li><li>6</li></ul>
244 243 242 241 240	Dihydropyrimidin-2(1H)-ones. Journal of the Korean Chemical Society, 2009, 53, 90-94  Chrom(VI)oxid auf feuchtem Aluminiumoxid: Ein mildes, effizientes und billiges Reagenszur oxidativen EntschEzung von Trimethylsilyl- und Tetrahydropyranylethern. Monatshefte Fil Chemie, 1999, 130, 337  12-Tungstoboric acid (H5BW12O40) as an efficient Lewis acid catalyst for the synthesis of chromenopyrimidine-2,5-diones and thioxochromenopyrimidin-5-ones: Joint experimental and computational study. Journal of Molecular Structure, 2020, 1205, 127598  Recent applications of the Wittig reaction in alkaloid synthesis. The Alkaloids Chemistry and Biology, 2020, 84, 201-334  Bio-assisted synthesized Ag(0) nanoparticles stabilized on hybrid of sepiolite and chitin: efficient catalytic system for xanthene synthesis. Scientific Reports, 2020, 10, 15285  Applications of Wittig Reaction in the Total Synthesis of Natural Macrolides. ChemistrySelect, 2020, 5, 9654-9690  Pd NPs supported on halloysite functionalized with Schiff base as an efficient catalyst for	3.4 4.8 4.9	6 6 6 6

## (2006-2020)

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208	Acid-functionalized Mesoporous Silicate (KIT-5-Pr-SO3H) Synthesized as an Efficient and Nanocatalyst for Green Multicomponent. <i>Current Organic Synthesis</i> , <b>2019</b> , 16, 145-153	1.9	5
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196	Investigation of Photocatalytic Activity of Anchored Dysprosium and Praseodymium Complexes on CoFe2O4 in Synthesis of Pyrano[2,3-d]pyrimidine Derivatives. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10742-10747	1.8	4
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181	Deamination of Some N-Amino Nitrogen Heterocycles Using Preyssler Anion. <i>Monatshefte F</i> Chemie, <b>2008</b> , 139, 107-110	1.4	4
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171	Zinc-Promoted Reduction of 1,2-Diketones: A Simple, Efficient, and Mild Approach to a-Hydroxy Ketones. <i>Monatshefte Fil Chemie</i> , <b>2002</b> , 133, 195-197	1.4	4
170	DABCOBOCl3, a Mild Dehydrating Agent for the Preparation of Nitriles from Aldoximes. <i>Journal of Chemical Research</i> , <b>2005</b> , 2005, 590-591	0.6	4
169	Ammonium Chlorochromate Adsorbed on Montmorillonite K-10: Oxidative Deprotection of Tetrahydropyranyl Ethers Using Microwaves in a Solventless System. <i>Monatshefte Fil Chemie</i> , <b>2001</b> , 132, 651-654	1.4	4
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162	Synthesis of indole derivatives as prevalent moieties present in selected alkaloids <i>RSC Advances</i> , <b>2021</b> , 11, 33540-33612	3.7	4
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59	The Synthesis of the Novel Thio-Quinolone Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2006</b> , 181, 797-801	1	1
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53	Ammonium Chlorochromate Adsorbed on Montmorillonite K-10: A New Reagent for the Oxidation of Alcohols to the Corresponding Carbonyl Compounds under Non-Aqueous Conditions. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 581-583	1.4	1
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51	Preparation of an Efficient and Recoverable Catalyst through Immobilization of PdCl2 on Modified Poly(styrene-co-maleic anhydride) for the Suzuki Cross-Coupling Reaction. <i>Russian Journal of Organic Chemistry</i> , <b>2021</b> , 57, 1685-1693	0.7	1
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49	Supported palladium oxide nanoparticles in Al-SBA-15 as an efficient and reusable catalyst for the synthesis of pyranopyrazole and benzylpyrazolyl coumarin derivatives via multicomponent reactions. <i>Research on Chemical Intermediates</i> , <b>2022</b> , 48, 203-234	2.8	1
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45	Application of Pauson-Khand reaction in the total synthesis of terpenes RSC Advances, 2021, 11, 383	25-3 <del>8</del> 37	<b>'</b> 31
44	Reaction of HSSS. radical with guanine and formation of 8-thioguanine: a computational study. <i>Structural Chemistry</i> , <b>2020</b> , 31, 763-768	1.8	1
43	Palladium nanoparticles supported on nitrogen doped porous carbon material derived from cyclodextrin, glucose and melamine based polymer: promising catalysts for hydrogenation reactions. <i>Pure and Applied Chemistry</i> , <b>2020</b> , 92, 827-837	2.1	1
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39	Immobilized galactose oxidase in alginate gel (GO-Bead): a versatile and efficient biocatalyst for the regioselective synthesis of 1,4-disubstitued-1,2,3-triazoles: click reaction. <i>Journal of the Iranian Chemical Society</i> , <b>2021</b> , 18, 1471-1478	2	1

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37	Samarium(ii) iodide-mediated reactions applied to natural product total synthesis <i>RSC Advances</i> , <b>2022</b> , 12, 9944-9994	3.7	1
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31	Heteropoly acids: An overview <b>2022</b> , 61-140		O
30	A Facile and Effective Four-Component Synthesis of Benzo[4,5]imidazo[1,2-a]-pyrimidine-3-carboxamides Based on Diketene. <i>Polycyclic Aromatic Compounds</i> , <b>2019</b> , 1-10	1.3	О
29	Applications of PictetBpengler reaction in the total synthesis of alkaloids <b>2021</b> , 227-294		О
29	Applications of PictetBpengler reaction in the total synthesis of alkaloids <b>2021</b> , 227-294  Halloysite Nanoclay with High Content of Sulfonic Acid-Based Ionic Liquid: A Novel Catalyst for the Synthesis of Tetrahydrobenzo[b]pyrans. <i>Catalysts</i> , <b>2021</b> , 11, 1172	4	0
	Halloysite Nanoclay with High Content of Sulfonic Acid-Based Ionic Liquid: A Novel Catalyst for the	4	
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28	Halloysite Nanoclay with High Content of Sulfonic Acid-Based Ionic Liquid: A Novel Catalyst for the Synthesis of Tetrahydrobenzo[b]pyrans. <i>Catalysts</i> , <b>2021</b> , 11, 1172  Applications of selected name reactions in total synthesis of alkaloids <b>2021</b> , 1-9  Pd on thermo-responsive composite of silica-coated carbon nanotube and 1-vinyl-3-butylimidazolium-based ionic liquid copolymers as an efficient catalyst for hydrogenation		0
28 27 26	Halloysite Nanoclay with High Content of Sulfonic Acid-Based Ionic Liquid: A Novel Catalyst for the Synthesis of Tetrahydrobenzo[b]pyrans. <i>Catalysts</i> , <b>2021</b> , 11, 1172  Applications of selected name reactions in total synthesis of alkaloids <b>2021</b> , 1-9  Pd on thermo-responsive composite of silica-coated carbon nanotube and 1-vinyl-3-butylimidazolium-based ionic liquid copolymers as an efficient catalyst for hydrogenation of nitro compounds <i>Scientific Reports</i> , <b>2022</b> , 12, 3972  Investigation of halloysite nanotubes and Schiff base combination with deposited copper iodide	4.9	0 0
28 27 26 25	Halloysite Nanoclay with High Content of Sulfonic Acid-Based Ionic Liquid: A Novel Catalyst for the Synthesis of Tetrahydrobenzo[b]pyrans. <i>Catalysts</i> , <b>2021</b> , 11, 1172  Applications of selected name reactions in total synthesis of alkaloids <b>2021</b> , 1-9  Pd on thermo-responsive composite of silica-coated carbon nanotube and 1-vinyl-3-butylimidazolium-based ionic liquid copolymers as an efficient catalyst for hydrogenation of nitro compounds <i>Scientific Reports</i> , <b>2022</b> , 12, 3972  Investigation of halloysite nanotubes and Schiff base combination with deposited copper iodide nanoparticles as a novel heterogeneous catalytic system. <i>Scientific Reports</i> , <b>2021</b> , 11, 23658  Combined experimental and computational study on Ag-NPs immobilized on rod-like	4.9	o o o
28 27 26 25	Halloysite Nanoclay with High Content of Sulfonic Acid-Based Ionic Liquid: A Novel Catalyst for the Synthesis of Tetrahydrobenzo[b]pyrans. <i>Catalysts</i> , <b>2021</b> , 11, 1172  Applications of selected name reactions in total synthesis of alkaloids <b>2021</b> , 1-9  Pd on thermo-responsive composite of silica-coated carbon nanotube and 1-vinyl-3-butylimidazolium-based ionic liquid copolymers as an efficient catalyst for hydrogenation of nitro compounds <i>Scientific Reports</i> , <b>2022</b> , 12, 3972  Investigation of halloysite nanotubes and Schiff base combination with deposited copper iodide nanoparticles as a novel heterogeneous catalytic system. <i>Scientific Reports</i> , <b>2021</b> , 11, 23658  Combined experimental and computational study on Ag-NPs immobilized on rod-like hydroxyapatite for promoting Hantzsch reaction. <i>Molecular Catalysis</i> , <b>2022</b> , 524, 112319  Sulfur-doped graphitic carbon nitride decorated with starch, Fe3O4, and Ag nanoparticles: As efficient and magnetic recoverable nanocatalyst for hydrogenation of nitroaromatics in aqueous	4.9	0 0 0

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19	Novel Reagents for Multi-Component Reactions. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 107-138	3.6
18	Deuterium Studies in the Cyclization and Isomerization of 3-Propargylmercapto-1,2,4-Triazines to Thiazolo[3,2-B]-[1,2,4] Triazines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2000</b> , 167, 21-2	27
17	Clay Supported Cerium(IV) Reagents for Oxidative Deprotection of Tetrahydropyranyl Ethers under Non-Aqueous Conditions. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 1253-1256	1.4
16	Wet Alumina Supported Chromium(VI) Oxide: A Mild, Efficient, and Inexpensive Reagent for Oxidative Deprotection of Trimethylsilyl and Tetrahydropyranyl Ethers. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 337-339	1.4
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13	Solid State Cleavage of Semicarbazones with Montmorillonite K-10 Supported Bis(trimethylsilyl)chromate under Microwave Irradiation. <i>Monatshefte Fil Chemie</i> , <b>1999</b> , 130, 933-936	1.4
12	Applications of heteropoly acids in industry <b>2022</b> , 305-373	
11	Applications of heteropoly acids as heterogeneous catalysts <b>2022</b> , 141-203	
10	Applications of heteropoly acids as homogeneous catalysts <b>2022</b> , 205-264	
9	One-pot nitrodebromination and methyl bi-functionalization of 5-bromo 6-methylpyrimidines: a unique simultaneous transformation. <i>Monatshefte Fil Chemie</i> , <b>2020</b> , 151, 1395-1401	1.4
8	Applications of PausonRhand reaction in the total synthesis of alkaloids <b>2021</b> , 191-226	
7	Recent advances in applications of Friedel@rafts reactions in total synthesis of alkaloids <b>2021</b> , 59-105	
6	Applications of the Sonogashira reaction in the total synthesis of alkaloids <b>2021</b> , 295-323	
5	Catalytic Function of Cu (I) and Cu (II) in Total Synthesis of Alkaloids. <i>ChemistrySelect</i> , <b>2021</b> , 6, 9230-928	371.8
4	Applications of DielsAlder cycloaddition reaction in total synthesis of alkaloids 2021, 11-58	
3	Recent advances in applications of Suzuki reaction in the total synthesis of alkaloids <b>2021</b> , 325-381	

- 2 Recent advances in applications of Mannich reaction in total synthesis of alkaloids **2021**, 153-190
- Recent advances in applications of Heck reaction in the total synthesis of alkaloids **2021**, 107-152