Bhalchandra Bhanage

List of Publications by Year
in descending order

419 papers	15,033 citations	18482 62 h-index	40979 93 g-index
423 all docs	423 docs citations	423 times ranked	12994 citing authors

#	Article	IF	Citations
1	Catalytic carbon dioxide hydrogenation to methanol: A review of recent studies. Chemical Engineering Research and Design, 2014, 92, 2557-2567.	5.6	484
2	Synthesis of dimethyl carbonate and glycols from carbon dioxide, epoxides, and methanol using heterogeneous basic metal oxide catalysts with high activity and selectivity. Applied Catalysis A: General, 2001, 219, 259-266.	4.3	346
3	Trifluoromethylchlorosulfonylation of Alkenes: Evidence for an Innerâ€Sphere Mechanism by a Copper Phenanthroline Photoredox Catalyst. Angewandte Chemie - International Edition, 2015, 54, 6999-7002.	13.8	303
4	Heck Reactions of Iodobenzene and Methyl Acrylate with Conventional Supported Palladium Catalysts in the Presence of Organic and/or Inorganic Bases without Ligands. Chemistry - A European Journal, 2000, 6, 843-848.	3.3	292
5	Recent developments in palladium catalysed carbonylation reactions. RSC Advances, 2014, 4, 10367.	3.6	271
6	Recent advances in the transition metal catalyzed carbonylation of alkynes, arenes and aryl halides using CO surrogates. Catalysis Science and Technology, 2015, 5, 4663-4702.	4.1	229
7	Factors governing dissolution process of lignocellulosic biomass in ionic liquid: Current status, overview and challenges. Bioresource Technology, 2015, 178, 2-18.	9.6	212
8	Recent Advances in Transition Metalâ€Catalyzed Hydrogenation of Nitriles. Advanced Synthesis and Catalysis, 2015, 357, 883-900.	4.3	194
9	Synthesis of dimethyl carbonate and glycols from carbon dioxide, epoxides and methanol using heterogeneous Mg containing smectite catalysts: effect of reaction variables on activity and selectivity performance. Green Chemistry, 2003, 5, 71-75.	9.0	165
10	CATALYST PRODUCT SEPARATION TECHNIQUES IN HECK REACTION. Catalysis Reviews - Science and Engineering, 2001, 43, 315-344.	12.9	162
11	Enhancement of interfacial catalysis in a biphasic system using catalyst-binding ligands. Nature, 1995, 373, 501-503.	27.8	158
12	Applications of ionic liquids in organic synthesis and catalysis. Clean Technologies and Environmental Policy, 2014, 16, 1487-1513.	4.1	143
13	Efficient synthesis of cyclic carbonate from carbon dioxide using polymer anchored diol functionalized ionic liquids as a highly active heterogeneous catalyst. Catalysis Science and Technology, 2012, 2, 1051.	4.1	134
14	Lipase: A potential biocatalyst for the synthesis of valuable flavour and fragrance ester compounds. Flavour and Fragrance Journal, 2013, 28, 71-83.	2.6	134
15	Synthesis of dimethyl carbonate from carbon dioxide and methanol in the presence of methyl iodide and base catalysts under mild conditions: effect of reaction conditions and reaction mechanism. Green Chemistry, 2001, 3, 87-91.	9.0	127
16	Palladium-Catalyzed Carbon-Monoxide-Free Aminocarbonylation of Aryl Halides Using N-Substituted Formamides as an Amide Source. Journal of Organic Chemistry, 2011, 76, 5489-5494.	3.2	121
17	Nâ€Heterocyclic Olefins as Robust Organocatalyst for the Chemical Conversion of Carbon Dioxide to Valueâ€Added Chemicals. ChemSusChem, 2016, 9, 1980-1985.	6.8	118
18	Transesterification of urea and ethylene glycol to ethylene carbonate as an important step for urea based dimethyl carbonate synthesis. Green Chemistry, 2003, 5, 429.	9.0	117

#	Article	IF	Citations
19	Synthesis of cyclic ureas and urethanes from alkylene diamines and amino alcohols with pressurized carbon dioxide in the absence of catalysts. Green Chemistry, 2003, 5, 340.	9.0	112
20	Immobilized Palladium Metal-Containing Ionic Liquid-Catalyzed Alkoxycarbonylation, Phenoxycarbonylation, and Aminocarbonylation Reactions. ACS Catalysis, 2013, 3, 287-293.	11.2	110
21	State-of-the-art catechol porphyrin COF catalyst for chemical fixation of carbon dioxide via cyclic carbonates and oxazolidinones. Catalysis Science and Technology, 2016, 6, 6152-6158.	4.1	104
22	Pd/C: An Efficient, Heterogeneous and Reusable Catalyst for Phosphaneâ€Free Carbonylative Suzuki Coupling Reactions of Aryl and Heteroaryl Iodides. European Journal of Organic Chemistry, 2010, 2010, 6981-6986.	2.4	103
23	Bifunctional Ionic Liquids Derived from Biorenewable Sources as Sustainable Catalysts for Fixation of Carbon Dioxide. ChemSusChem, 2017, 10, 1145-1151.	6.8	98
24	KCC-1 supported palladium nanoparticles as an efficient and sustainable nanocatalyst for carbonylative Suzukiâ€“Miyaura cross-coupling. Green Chemistry, 2016, 18, 5890-5899.	9.0	94
25	Low temperature recyclable catalyst for Heck reactions using ultrasound. Tetrahedron Letters, 2005, 46, 2483-2485.	1.4	89
26	Palladium bis(2,2,6,6-tetramethyl-3,5-heptanedionate): an efficient catalyst for regioselective C-2 arylation of heterocycles. Tetrahedron Letters, 2008, 49, 1045-1048.	1.4	89
27	Synthesis of quinazoline-2,4(1H,3H)-diones from carbon dioxide and 2-aminobenzonitriles using [Bmim]OH as a homogeneous recyclable catalyst. Catalysis Today, 2009, 148, 355-360.	4.4	89
28	A review on catalytic synthesis of energy rich fuel additive levulinate compounds from biomass derived levulinic acid. Fuel Processing Technology, 2020, 197, 106213.	7.2	89
29	Palladium bis(2,2,6,6-tetramethyl-3,5-heptanedionate) catalyzed Suzuki, Heck, Sonogashira, and cyanation reactions. Tetrahedron, 2008, 64, 3655-3660.	1.9	87
30	Y(NO3)3Â·6H2O: A novel and reusable catalyst for one pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones under solvent-free conditions. Journal of Molecular Catalysis A, 2007, 271, 14-17.	4.8	82
31	Palladium on Carbon: An Efficient, Heterogeneous and Reusable Catalytic System for Carbonylative Synthesis of Nâ€Substituted Phthalimides. Advanced Synthesis and Catalysis, 2011, 353, 3415-3422.	4.3	79
32	Immobilization of Candida cylindracea lipase on poly lactic acid, polyvinyl alcohol and chitosan based ternary blend film: Characterization, activity, stability and its application for N-acylation reactions. Process Biochemistry, 2013, 48, 1335-1347.	3.7	79
33	Pd/C: an efficient, heterogeneous and reusable catalyst for carbon monoxide-free aminocarbonylation of aryl iodides. Tetrahedron Letters, 2008, 49, 2221-2224.	1.4	78
34	Title is missing!. Catalysis Letters, 2002, 79, 95-98.	2.6	77
35	Cyanidesâ€Free Cyanation of Aryl Halides using Formamide. Advanced Synthesis and Catalysis, 2011, 353, 781-787.	4.3	77
36	Recent Advances Utilized in the Recycling of Homogeneous Catalysis. Chemical Record, 2019, 19, 2022-2043.	5.8	77

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37	Kinetics of hydroformylation of l-dodecene using homogeneous HRh(CO) (PPh3)3 catalyst. Journal of Molecular Catalysis A, 1997, 115, 247-257.	4.8	76
38	Hybrid Amineâ€Functionalized Graphene Oxide as a Robust Bifunctional Catalyst for Atmospheric Pressure Fixation of Carbon Dioxide using Cyclic Carbonates. ChemSusChem, 2016, 9, 644-650.	6.8	75
39	Cesium carbonate catalyzed efficient synthesis of quinazoline-2,4(1H,3H)-diones using carbon dioxide and 2-aminobenzonitriles. Green Chemistry Letters and Reviews, 2008, 1, 127-132.	4.7	74
40	Ag@AgCl Nanomaterial Synthesis Using Sugar Cane Juice and Its Application in Degradation of Azo Dyes. ACS Sustainable Chemistry and Engineering, 2014, 2, 1007-1013.	6.7	74
41	Direct oxidative carboxylation of styrene to styrene carbonate in the presence of ionic liquids. Catalysis Communications, 2004, 5, 83-87.	3.3	73
42	Direct reductive amination of carbonyl compounds with primary/secondary amines using recyclable water-soluble FeII/EDTA complex as catalyst. Tetrahedron Letters, 2008, 49, 965-969.	1.4	72
43	Oxidative Aminocarbonylation of Terminal Alkynes for the Synthesis of Alkâ€2â€ynamides by Using Palladiumâ€onâ€Carbon as Efficient, Heterogeneous, Phosphineâ€Free, and Reusable Catalyst. Advanced Synthesis and Catalysis, 2012, 354, 2049-2056.	4.3	72
44	Palladacycle-Catalyzed Carbonylative Suzukiâ€“Miyaura Coupling with High Turnover Number and Turnover Frequency. Journal of Organic Chemistry, 2015, 80, 7810-7815.	3.2	72
45	Pd/C-Catalyzed Aminocarbonylation of Aryl Iodides via Oxidative Câ€“N Bond Activation of Tertiary Amines to Tertiary Amides. Journal of Organic Chemistry, 2016, 81, 1223-1228.	3.2	71
46	Aminocarbonylation of aryl iodides with primary and secondary amines in aqueous medium using polymer supported palladium-N-heterocyclic carbene complex as an efficient and heterogeneous recyclable catalyst. Catalysis Today, 2012, 198, 148-153.	4.4	70
47	Synthesis of geranyl acetate in non-aqueous media using immobilized Pseudomonas cepacia lipase on biodegradable polymer film: Kinetic modelling and chain length effect study. Process Biochemistry, 2014, 49, 1304-1313.	3.7	70
48	Silver nanoparticles as an efficient, heterogeneous and recyclable catalyst for synthesis of Î²-enaminones. Catalysis Communications, 2010, 11, 1233-1237.	3.3	69
49	Bifunctional Ionic Liquids for the Multitask Fixation of Carbon Dioxide into Valuable Chemicals. ChemCatChem, 2016, 8, 244-250.	3.7	69
50	Ru(<scp>ii</scp>)/PEG-400 as a highly efficient and recyclable catalytic media for annulation and olefination reactions via Câ€“H bond activation. Green Chemistry, 2016, 18, 5635-5642.	9.0	69
51	Recent advances for sustainable production of levulinic acid in ionic liquids from biomass: Current scenario, opportunities and challenges. Renewable and Sustainable Energy Reviews, 2019, 102, 266-284.	16.4	69
52	One-pot synthesis of styrene carbonate from styrene in tetrabutylammonium bromide. Catalysis Today, 2004, 93-95, 383-388.	4.4	68
53	Silver Nanoparticles: Synthesis, Characterization and their Application as a Sustainable Catalyst for Organic Transformations. Current Organic Chemistry, 2015, 19, 708-727.	1.6	68
54	Title is missing!. Catalysis Letters, 1999, 62, 175-177.	2.6	67

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55	Thermo-chemical energy assessment for production of energy-rich fuel additive compounds by using levulinic acid and immobilized lipase. Fuel Processing Technology, 2015, 138, 139-146.	7.2	67
56	Multiphase catalysis using water-soluble metal complexes in supercritical carbon dioxide. Chemical Communications, 1999, , 1277-1278.	4.1	66
57	Title is missing!. Catalysis Letters, 2002, 83, 137-141.	2.6	66
58	N-Arylation of aliphatic, aromatic and heteroaromatic amines catalyzed by copper bis(2,2,6,6-tetramethyl-3,5-heptanedionate). Tetrahedron Letters, 2007, 48, 6573-6576.	1.4	65
59	Amine functionalized MCM-41 as a green, efficient, and heterogeneous catalyst for the regioselective synthesis of 5-aryl-2-oxazolidinones, from CO2 and aziridines. Applied Catalysis A: General, 2014, 469, 340-349.	4.3	65
60	Heck reactions using water-soluble metal complexes in supercritical carbon dioxide. Tetrahedron Letters, 1999, 40, 6427-6430.	1.4	64
61	PS-Pdâ€“NHC: an efficient and heterogeneous recyclable catalyst for direct reductive amination of carbonyl compounds with primary/secondary amines in aqueous medium. Catalysis Science and Technology, 2012, 2, 354-358.	4.1	64
62	Immobilized Iron Metal-Containing Ionic Liquid-Catalyzed Chemoselective Transfer Hydrogenation of Nitroarenes into Anilines. ACS Sustainable Chemistry and Engineering, 2016, 4, 429-436.	6.7	64
63	Amine-Functionalized Graphene Oxide-Stabilized Pd Nanoparticles (Pd@APGO): A Novel and Efficient Catalyst for the Suzuki and Carbonylative Suzukiâ€“Miyaura Coupling Reactions. ACS Omega, 2019, 4, 643-649.	3.5	64
64	Phosphaneâ€Free Palladiumâ€Catalyzed Carbonylative Suzuki Coupling Reaction of Aryl and Heteroaryl Iodides. European Journal of Organic Chemistry, 2009, 2009, 3022-3025.	2.4	63
65	Effect of triphenylphosphine concentration on the kinetics of homogeneous Heck reaction in different solvents. Journal of Molecular Catalysis A, 1999, 142, 383-388.	4.8	62
66	Polymer supported diol functionalized ionic liquids: An efficient, heterogeneous and recyclable catalyst for 5-aryl-2-oxazolidinones synthesis from CO2 and aziridines under mild and solvent free condition. Journal of Molecular Catalysis A, 2011, 351, 196-203.	4.8	62
67	A simple approach for sonochemical synthesis of Cu 2 O nanoparticles with high catalytic properties. Advanced Powder Technology, 2016, 27, 238-244.	4.1	62
68	A facile and rapid route for the synthesis of Cu/Cu‹sub›2‹/sub›O nanoparticles and their application in the Sonogashira coupling reaction of acyl chlorides with terminal alkynes. Catalysis Science and Technology, 2014, 4, 4274-4280.	4.1	61
69	Y(NO3)3Â·6H2O catalyzed regioselective ring opening of epoxides with aliphatic, aromatic, and heteroaromatic amines. Tetrahedron Letters, 2008, 49, 3672-3676.	1.4	60
70	Synthesis of Quinazoline-2,4(1H,3H)-Diones from Carbon dioxide and 2-Aminobenzonitriles Using MgO/ZrO2 as a Solid Base Catalyst. Catalysis Letters, 2009, 133, 201-208.	2.6	60
71	Heck reactions with various types of palladium complex catalysts: application of multiphase catalysis and supercritical carbon dioxide. Journal of Organometallic Chemistry, 2003, 687, 211-218.	1.8	59
72	Silica supported polyvinyl pyridine as a highly active heterogeneous base catalyst for the synthesis of cyclic carbonates from carbon dioxide and epoxides. Journal of Molecular Catalysis A, 2007, 266, 69-74.	4.8	59

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73	Promiscuous Candida antarctica lipase B-catalyzed synthesis of Î²-amino esters via aza-Michael addition of amines to acrylates. Tetrahedron Letters, 2010, 51, 4455-4458.	1.4	58
74	Ru@PsILâ€Catalyzed Synthesis of Nâ€Formamides and Benzimidazole by using Carbon Dioxide and Dimethylamine Borane. ChemCatChem, 2018, 10, 2593-2600.	3.7	58
75	An efficient and heterogeneous recyclable palladium catalyst for chemoselective conjugate reduction of Î±,Î²-unsaturated carbonyls in aqueous medium. Green Chemistry, 2011, 13, 1490.	9.0	57
76	Improved activity and stability of Rhizopus oryzae lipase via immobilization for citronellol ester synthesis in supercritical carbon dioxide. Journal of Biotechnology, 2011, 156, 46-51.	3.8	57
77	A rapid, one pot microwave assisted synthesis of nanosize cuprous oxide. Powder Technology, 2013, 235, 516-519.	4.2	57
78	Synthesis of dimethyl carbonate via transesterification of ethylene carbonate with methanol using poly-4-vinyl pyridine as a novel base catalyst. Catalysis Communications, 2008, 9, 1928-1931.	3.3	56
79	N-Substituted Formamides as C1-Sources for the Synthesis of Benzimidazole and Benzothiazole Derivatives by Using Zinc Catalysts. Synlett, 2015, 26, 2835-2842.	1.8	56
80	Y(NO3)3Â· 6H2O catalyzed aza-Michael addition of aromatic/hetero-aromatic amines under solvent-free conditions. Catalysis Communications, 2008, 9, 1189-1195.	3.3	54
81	Microwave ECR plasma CVD of cubic Y2O3 coatings and their characterization. Surface and Coatings Technology, 2010, 204, 3167-3172.	4.8	54
82	HPMC-PVA Film Immobilized Rhizopus oryzae Lipase as a Biocatalyst for Transesterification Reaction. ACS Catalysis, 2011, 1, 316-322.	11.2	54
83	The green metric evaluation and synthesis of diesel-blend compounds from biomass derived levulinic acid in supercritical carbon dioxide. Biomass and Bioenergy, 2016, 84, 12-21.	5.7	54
84	Application of lipase immobilized on the biocompatible ternary blend polymer matrix for synthesis of citronellyl acetate in non-aqueous media: Kinetic modelling study. Enzyme and Microbial Technology, 2014, 57, 16-25.	3.2	52
85	Kinetic Resolution Driven Diastereo- and Enantioselective Synthesis of cis-Î²-Heteroaryl Amino Cycloalkanols by Ruthenium-Catalyzed Asymmetric Transfer Hydrogenation. Organic Letters, 2016, 18, 6436-6439.	4.6	52
86	Non-catalytic clean synthesis route using urea to cyclic urea and cyclic urethane compounds. Green Chemistry, 2004, 6, 78.	9.0	51
87	Mesoporous smectites incorporated with alkali metal cations as solid base catalysts. Applied Catalysis A: General, 2006, 313, 151-159.	4.3	51
88	Direct reductive amination of carbonyl compounds using bis(triphenylphosphine) copper(I) tetrahydroborate. Tetrahedron Letters, 2007, 48, 1273-1276.	1.4	51
89	Novel and green approach for the nanocrystalline magnesium oxide synthesis and its catalytic performance in Claisenâ€“Schmidt condensation. Catalysis Communications, 2013, 36, 79-83.	3.3	51
90	Immobilization of lipase on biocompatible co-polymer of polyvinyl alcohol and chitosan for synthesis of laurate compounds in supercritical carbon dioxide using response surface methodology. Process Biochemistry, 2015, 50, 1224-1236.	3.7	51

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91	Catalysis with soluble complexes in gas-liquid-liquid systems. Catalysis Today, 1995, 24, 123-133.	4.4	50
92	Nickel, Cobalt and Palladium Catalysed Câ^'H Functionalization of Unâ€Activated C(sp³)â^'H Bond. Chemical Record, 2019, 19, 1829-1857.	5.8	49
93	Candida antarctica lipase B-catalyzed synthesis of acetamides using [BMIm(PF6)] as a reaction medium. Tetrahedron Letters, 2009, 50, 2811-2814.	1.4	48
94	A facile one-step approach for the synthesis of uniform spherical Cu/Cu₂O nano- and microparticles with high catalytic activity in the Buchwaldâ€"Hartwig amination reaction. RSC Advances, 2014, 4, 15122-15130.	3.6	48
95	Magnetically separable Î³-Fe2O3 nanoparticles: An efficient catalyst for acylation of alcohols, phenols, and amines using sonication energy under solvent free condition. Journal of Molecular Catalysis A, 2015, 404-405, 8-17.	4.8	48
96	tert-Butyl Nitrite-Mediated Synthesis of N-Nitrosoamides, Carboxylic Acids, Benzocoumarins, and Isocoumarins from Amides. Journal of Organic Chemistry, 2017, 82, 5769-5781.	3.2	48
97	Heterogeneous catalyst system for Heck reaction using supported ethylene glycol phase Pd/TPPTS catalyst with inorganic base. Journal of Molecular Catalysis A, 1999, 145, 69-74.	4.8	47
98	Amine functionalized MCM-41: an efficient heterogeneous recyclable catalyst for the synthesis of quinazoline-2,4(1H,3H)-diones from carbon dioxide and 2-aminobenzonitriles in water. Catalysis Science and Technology, 2014, 4, 1608-1614.	4.1	47
99	Synthesis of 2-oxazolidinones/2-imidazolidinones from CO2, different epoxides and amino alcohols/alkylene diamines using Brâ^'Ph3+P-PEG600-P+Ph3Brâ^' as homogenous recyclable catalyst. Journal of Molecular Catalysis A, 2008, 289, 14-21.	4.8	46
100	Palladium-Catalyzed Deaminative Phenanthridinone Synthesis from Aniline via Câ€"H Bond Activation. Journal of Organic Chemistry, 2016, 81, 4103-4111.	3.2	46
101	Enhanced biocatalytic activity of immobilized Pseudomonas cepacia lipase under sonicated condition. Bioprocess and Biosystems Engineering, 2016, 39, 211-221.	3.4	46
102	Mechanistic aspects of formation of MgO nanoparticles under microwave irradiation and its catalytic application. Advanced Powder Technology, 2017, 28, 1185-1192.	4.1	46
103	Pd/C catalyzed phenoxycarbonylation using N-formylsaccharin as a CO surrogate in propylene carbonate, a sustainable solvent. Green Chemistry, 2017, 19, 823-830.	9.0	46
104	Comparison of activity and selectivity of various metal-TPPTS complex catalysts in ethylene glycol î—¸ toluene biphasic Heck vinylation reactions of iodobenzene. Tetrahedron Letters, 1998, 39, 9509-9512.	1.4	45
105	Efficient, recyclable and phosphine-free carbonylative Suzuki coupling reaction using immobilized palladium ion-containing ionic liquid: synthesis of aryl ketones and heteroaryl ketones. RSC Advances, 2013, 3, 7791.	3.6	45
106	Polythene glycol (PEG) as a reusable solvent system for the synthesis of 1,3,5-triazines via aerobic oxidative tandem cyclization of benzylamines and N-substituted benzylamines with amidines under transition metal-free conditions. Green Chemistry, 2016, 18, 144-149.	9.0	45
107	Carbonylative Tertiary Amide Synthesis from Aryl Iodides and Tertiary Amines via Oxidantâ€Free Câ^'N Bond Cleavage Catalyzed by Palladium(II) Chloride in Polyethylene Glycol/Water. Advanced Synthesis and Catalysis, 2017, 359, 2621-2629.	4.3	45
108	Ultrasound assisted additive free synthesis of nanocrystalline zinc oxide. Ultrasonics Sonochemistry, 2011, 18, 54-58.	8.2	44

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109	Double Carbonylation Reactions: Overview and Recent Advances. Advanced Synthesis and Catalysis, 2020, 362, 3022-3058.	4.3	44
110	Synthesis of cyclic carbonates from carbon dioxide and epoxides using alkali metal halide supported liquid phase catalyst. Catalysis Letters, 2006, 112, 51-55.	2.6	42
111	Bronsted acidic ionic liquid as an efficient and reusable catalyst for transesterification of Î²-ketoesters. Catalysis Communications, 2009, 10, 833-837.	3.3	42
112	Silica supported palladium-phosphine as a reusable catalyst for alkoxycarbonylation and aminocarbonylation of aryl and heteroaryl iodides. RSC Advances, 2015, 5, 94776-94785.	3.6	42
113	N â€Methoxybenzamide: A Versatile Directing Group for Palladiumâ€, Rhodiumâ€and Rutheniumâ€Catalyzed Câ^'H Bond Activations. Advanced Synthesis and Catalysis, 2019, 361, 4149-4195.	4.3	42
114	Transesterification of dimethyl carbonate with phenol using BrÃ¸nsted and Lewis acidic ionic liquids. Catalysis Communications, 2010, 12, 207-211.	3.3	41
115	Nanosize Co3O4 as a novel, robust, efficient and recyclable catalyst for A3-coupling reaction of propargylamines. Catalysis Communications, 2011, 16, 114-119.	3.3	41
116	Pd/C-Catalyzed Synthesis of Oxamates by Oxidative Cross Double Carbonylation of Amines and Alcohols under Co-catalyst, Base, Dehydrating Agent, and Ligand-Free Conditions. Journal of Organic Chemistry, 2013, 78, 6793-6797.	3.2	41
117	Enhanced Biocatalytic Activity of Lipase Immobilized on Biodegradable Copolymer of Chitosan and Polyvinyl Alcohol Support for Synthesis of Propionate Ester: Kinetic Approach. Industrial & Engineering Chemistry Research, 2014, 53, 18806-18815.	3.7	41
118	Rapid synthesis of nickel oxide nanorods and its applications in catalysis. Advanced Powder Technology, 2015, 26, 422-427.	4.1	41
119	Additive free microwave assisted synthesis of nanocrystalline Mg(OH)2 and MgO. Particuology, 2012, 10, 384-387.	3.6	40
120	Palladium-catalyzed Heck coupling reactions using different fluorinated phosphine ligands in compressed carbon dioxide and conventional organic solvents. Journal of Molecular Catalysis A, 2002, 180, 35-42.	4.8	39
121	An efficient, catalyst- and solvent-freeN-formylation of aromatic and aliphatic amines. Green Chemistry Letters and Reviews, 2011, 4, 151-157.	4.7	39
122	Recent trends in organocatalyzed asymmetric reduction of prochiral ketones. Catalysis Science and Technology, 2018, 8, 955-969.	4.1	39
123	Synthesis of 1,3-dialkylurea from ethylene carbonate and amine using calcium oxide. Journal of Molecular Catalysis A, 2005, 230, 43-48.	4.8	38
124	Microwave-assisted additive free synthesis of nanocrystalline zinc oxide. Powder Technology, 2010, 203, 415-418.	4.2	38
125	Regioselective synthesis of 5-aryl-2-oxazolidinones from carbon dioxide and aziridines using Brâ^'Ph3+PPEG600P+Ph3Brâ^' as an efficient, homogenous recyclable catalyst at ambient conditions. Tetrahedron Letters, 2011, 52, 6383-6387.	1.4	38
126	Synthesis of powdered silver nanoparticles using hydrogen in aqueous medium. Particuology, 2012, 10, 140-143.	3.6	38

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127	Transition Metal-Catalyzed Carbonylative Cï£¿H Bond Functionalization of Arenes and C(sp3)ï£¿H Bond of Alkanes. Chemical Record, 2016, 16, 835-856.	5.8	38
128	Ultrasound promoted regioselective nitration of phenols using dilute nitric acid in the presence of phase transfer catalyst. Ultrasonics Sonochemistry, 2007, 14, 41-45.	8.2	37
129	Amberlystâ€15 in Ionic Liquid: An Efficient and Recyclable Reagent for Nucleophilic Substitution of Alcohols and Hydroamination of Alkenes. European Journal of Organic Chemistry, 2010, 2010, 6233-6238.	2.4	37
130	One pot green synthesis of nano sized zinc oxide by sonochemical method. Materials Letters, 2012, 77, 93-95.	2.6	37
131	Immobilized palladium metal containing ionic liquid catalyzed one step synthesis of isoindole-1,3-diones by carbonylative cyclization reaction. Journal of Molecular Catalysis A, 2014, 385, 91-97.	4.8	37
132	Copper catalyzed nitrile synthesis from aryl halides using formamide as a nitrile source. RSC Advances, 2014, 4, 13405-13408.	3.6	37
133	Synthesis of oxamate and urea by oxidative single and double carbonylation of amines using immobilized palladium metal-containing ionic liquid@SBA-15. Journal of Molecular Catalysis A, 2015, 400, 170-178.	4.8	37
134	Carbonylative Synthesis of Phthalimides and Benzoxazinones by Using Phenyl Formate as a Carbon Monoxide Source. European Journal of Organic Chemistry, 2015, 2015, 2405-2410.	2.4	37
135	Palladium-Catalyzed Oxidative N-Dealkylation/Carbonylation of Tertiary Amines with Alkynes to Î±,Î²-Alkynylamides. Journal of Organic Chemistry, 2016, 81, 4974-4980.	3.2	37
136	An efficient synthesis of quinazoline-2,4(1H,3H)-dione from CO2 and 2-aminobenzonitrile using [Hmim]OH/SiO2 as a base functionalized Supported Ionic Liquid Phase Catalyst. Journal of CO2 Utilization, 2014, 8, 67-73.	6.8	36
137	Regioselective Hydroformylation of Allylic Alcohols Using Rh/PPh3Supported Ionic Liquid-Phase Catalyst, Followed by Hydrogenation to 1,4-Butanediol Using Ru/PPh3Supported Ionic Liquid-Phase Catalyst. Industrial & Engineering Chemistry Research, 2008, 47, 969-972.	3.7	35
138	Enzymatic activity studies of Pseudomonas cepacia lipase adsorbed onto copolymer supports containing Î²-cyclodextrin. Journal of Molecular Catalysis B: Enzymatic, 2013, 87, 105-112.	1.8	35
139	Magnesium oxide as a heterogeneous and recyclable base for the N-methylation of indole and O-methylation of phenol using dimethyl carbonate as a green methylating agent. RSC Advances, 2014, 4, 50271-50276.	3.6	35
140	Synthesis of 2-phenylnaphthalenes from styrene oxides using a recyclable BrÃ¸nsted acidic [HNMP]⁺HSO₄^{â¯} ionic liquid. Green Chemistry, 2015, 17, 4446-4451.	9.0	35
141	MnO₂ catalyzed formylation of amines and transamidation of amides under solvent-free conditions. RSC Advances, 2015, 5, 80441-80449.	3.6	35
142	Room Temperature Synthesis of Copper Oxide Nanoparticles: Morphological Evaluation and Their Catalytic Applications for Degradation of Dyes and Câ€“N Bond Formation Reaction. ChemistrySelect, 2016, 1, 6297-6307.	1.5	35
143	Pd/C in Propylene Carbonate: A Sustainable Catalystâ€“Solvent System for the Carbonylative Suzukiâ€“Miyaura Crossâ€Coupling Using Nâ€Formylsaccharin as a CO Surrogate. European Journal of Organic Chemistry, 2017, 2017, 3431-3437.	2.4	35
144	Palladium anchored on amine-functionalized K10 as an efficient, heterogeneous and reusable catalyst for carbonylative Sonogashira reaction. Applied Catalysis A: General, 2015, 506, 237-245.	4.3	34

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145	Shape-selective synthesis of gold nanoparticles and their catalytic activity towards reduction of p -nitroaniline. Nano Structures Nano Objects, 2018, 14, 125-130.	3.5	34
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