

Bhalchandra Bhanage

List of Publications by Year in descending order

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papers

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18482

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423
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	[TBDH] [HFIP] ionic liquid catalyzed synthesis of quinazoline-2,4(1H,3H)-diones in the presence of ambient temperature and pressure. <i>Journal of Molecular Liquids</i> , 2022, 345, 117008.	4.9	6
2	Reductive Amination of Biomass-Based Levulinic Acid into Pyrrolidone by Protic Ionic Liquid via Dehydrogenation of Dimethyl Amine Borane. <i>Waste and Biomass Valorization</i> , 2022, 13, 443-451.	3.4	5
3	Insights into cascade and sequential one-pot pathways for reductive amination of aldehydes paired with bio-derived levulinic acid to <i>N</i> -substituted pyrrolidones using molecular hydrogen. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1005-1013.	3.7	4
4	Solar Light Assisted Synthesis of CeO ₂ Nanoparticles for Transesterification of Ethylene Carbonate with Methanol to Dimethyl Carbonate. <i>Catalysis Letters</i> , 2022, 152, 3284-3293.	2.6	6
5	Synthesis of 2-Substituted Indoles by Pd-Catalyzed Reductive Cyclization of 1-Halo-2-nitrobenzene with Alkynes. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	5
6	Recent update on use of ionic liquids for enzyme immobilization, activation, and catalysis: A partnership for sustainability. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 36, 100621.	5.9	11
7	Tunable Pd/C-catalyzed oxidative alkoxyacylation/aminocarbonylation of aryl hydrazines with alcohols/inert tertiary amines through C–N bond activation. <i>New Journal of Chemistry</i> , 2022, 46, 14421-14426.	2.8	4
8	Synthesis of propyl benzoate by solvent-free immobilized lipase-catalyzed transesterification: Optimization and kinetic modeling. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 369-378.	3.4	11
9	Environmentally Benign Synthesis of 4-Thiazolidinone Derivatives Using a Co/Al Hydrotalcite as Heterogeneous Catalyst. <i>Catalysis Letters</i> , 2021, 151, 1776-1787.	2.6	5
10	Recent advances of use of the supercritical carbon dioxide for the biomass pre-treatment and extraction: A mini-review. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100018.	2.8	18
11	Insights into Sustainable C–H Bond Activation. , 2021, , 253-318.		0
12	N-Tosylhydrazone as an oxidizing directing group for the redox-neutral access to isoquinolines via Cp–Co(III)-Catalyzed C–H/N–N activation. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100001.	2.8	5
13	Electrochemical deposition of nanocrystalline aluminum from a protic ionic liquid on mild steel. <i>Journal of Molecular Liquids</i> , 2021, 326, 115275.	4.9	5
14	Highly efficient one pot synthesis of benzimidazoles from 2-nitroaniline and PhSiH ₃ as reducing agent catalyzed by Pd/C as a heterogeneous catalyst. <i>Tetrahedron Letters</i> , 2021, 68, 152940.	1.4	9
15	Tetrabutylammonium Iodide (TBAI) Catalyzed Electrochemical C–H Bond Activation of 2-Arylated N-Methoxyamides for the Synthesis of Phenanthridinones. <i>Synlett</i> , 2021, 32, 999-1003.	1.8	4
16	Investigation of effect of ultrasound on immobilized <i>C. rugosa</i> lipase: Synthesis of biomass based furfuryl derivative and green metrics evaluation study. <i>Enzyme and Microbial Technology</i> , 2021, 144, 109738.	3.2	8
17	Pd-Catalyzed Oxidative Aminocarbonylation of Arylboronic Acids with Unreactive Tertiary Amines via C–N Bond Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 14028-14035.	3.2	14
18	Nitridated Fibrous Silica/Tetrabutylammonium Iodide (NDFNS/TBAI): Robust and Efficient Catalytic System for Chemical Fixation of Carbon Dioxide to Cyclic Carbonates. <i>ChemCatChem</i> , 2021, 13, 2907-2914.	3.7	9

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19	Ru-TsDPEN catalysts and derivatives in asymmetric transfer hydrogenation reactions. <i>Chirality</i> , 2021, 33, 337-378.	2.6	16
20	Xantphos-coordinated palladium dithiolates: Highly efficient catalyst for decarboxylative Sonogashira reaction into corresponding alkynes. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6328.	3.5	10
21	Comparative account of catalytic activity of Ru- and Ni-based nanocomposites towards reductive amination of biomass derived molecules. <i>Molecular Catalysis</i> , 2021, 510, 111667.	2.0	15
22	Ru-Tethered (<i>R,R</i>)-TsDPEN with DMAB as an efficient catalytic system for high enantioselective one-pot synthesis of chiral β -aminol via asymmetric transfer hydrogenation. <i>New Journal of Chemistry</i> , 2021, 45, 5357-5362.	2.8	0
23	Carbon dioxide based methodologies for the synthesis of fine chemicals. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5725-5757.	2.8	20
24	A review on catalytic synthesis of energy rich fuel additive levulinate compounds from biomass derived levulinic acid. <i>Fuel Processing Technology</i> , 2020, 197, 106213.	7.2	89
25	Supramolecular Pd(II) complex of DPPF and dithiolate: An efficient catalyst for amino and phenoxycarbonylation using Co ₂ (CO) ₈ as sustainable C1 source. <i>Molecular Catalysis</i> , 2020, 482, 110672.	2.0	9
26	Xantphos-ligated palladium dithiolates: An unprecedented and convenient catalyst for the carbonylative Suzuki-Miyaura cross-coupling reaction with high turnover number and turnover frequency. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5255.	3.5	11
27	UiO-66 as an efficient catalyst for N-formylation of amines with CO ₂ and dimethylamine borane as a reducing agent. <i>Inorganica Chimica Acta</i> , 2020, 501, 119274.	2.4	12
28	Water-assisted electrochemical fabrication of Cu/Cu ₂ O nanoparticles in protic ionic liquid and their catalytic activity in the synthesis of quinazolinones. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 131, 905-918.	1.7	5
29	The one-step transformation of fructose to 2,5-diformylfuran over Ru metal supported on montmorillonite. <i>New Journal of Chemistry</i> , 2020, 44, 13659-13668.	2.8	8
30	Double Carbonylation Reactions: Overview and Recent Advances. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3022-3058.	4.3	44
31	L-Serine@ZnO as an efficient and reusable catalyst for synthesis of cyclic carbonates and formamides in presence of CO ₂ atmosphere. <i>Molecular Catalysis</i> , 2020, 492, 111000.	2.0	4
32	Ru-g-C ₃ N ₄ as a highly active heterogeneous catalyst for transfer hydrogenation of α -keto amide into β -aminol or β -hydroxyl amide. <i>New Journal of Chemistry</i> , 2020, 44, 10578-10585.	2.8	5
33	One-pot synthesis of symmetrical and asymmetrical diphenylamines from guanidines with aryl iodide using Cu/Cu ₂ O nanocatalyst. <i>Molecular Catalysis</i> , 2020, 492, 110998.	2.0	4
34	Electrochemical Fabrication of Copper and Tin Micro-Crystals from a Protic Ionic Liquid Medium. <i>ChemistrySelect</i> , 2020, 5, 3694-3699.	1.5	5
35	Reductive amination of levulinic acid to N-substituted pyrrolidones over RuCl ₃ metal ion anchored in ionic liquid immobilized on graphene oxide. <i>Journal of Catalysis</i> , 2020, 383, 206-214.	6.2	26
36	Graphene oxide as a carbo-catalyst for the synthesis of tri-substituted 1,3,5-triazines using biguanides and alcohols. <i>Catalysis Communications</i> , 2020, 137, 105933.	3.3	19

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37	Dppf-Ligated Palladium Complex as an Efficient Catalyst for the Synthesis of Biaryl Ketones Using Co ₂ (CO) ₈ as a C1 Source with High TON and TOF. <i>ChemistrySelect</i> , 2019, 4, 8269-8276.	1.5	11
38	Nanoparticulate or Colloidal Pathways for Palladacycles-Mediated Catalytic Processes. , 2019, , 327-342.		1
39	Room-Temperature Asymmetric Transfer Hydrogenation of Biomass-Derived Levulinic Acid to Optically Pure β -Valerolactone Using a Ruthenium Catalyst. <i>ACS Omega</i> , 2019, 4, 19491-19498.	3.5	11
40	Synthesis of quinolines via acceptorless dehydrogenative tandem cyclization of 2-amino benzyl alcohol with alcohols using magnetic CuNiFeO nanocatalyst. <i>Molecular Catalysis</i> , 2019, 478, 110565.	2.0	13
41	Cp*Co(III) catalyzed annulation of <i>N</i> -Cbz hydrazones for the redox-neutral synthesis of isoquinolines via C-H/N bond activation. <i>Synthetic Communications</i> , 2019, 49, 3121-3130.	2.1	7
42	Pd/PTABS: An Efficient Catalytic System for the Aminocarbonylation of a Sugar-Protected Nucleoside. <i>Synthesis</i> , 2019, 51, 4239-4248.	2.3	15
43	Hydrogenolysis of Biomass-Derived 5-Hydroxymethylfurfural to Produce 2,5-Dimethylfuran Over Ru ₂ ZrO ₂ -MCM41 Catalyst. <i>ChemistrySelect</i> , 2019, 4, 6080-6089.	1.5	12
44	<i>N</i> -Methoxybenzamide: A Versatile Directing Group for Palladium-, Rhodium- and Ruthenium-Catalyzed C-H Bond Activations. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4149-4195.	4.3	42
45	Recent Advances Utilized in the Recycling of Homogeneous Catalysis. <i>Chemical Record</i> , 2019, 19, 2022-2043.	5.8	77
46	Cp*Co(III)-catalyzed annulation of azines by C-H/N bond activation for the synthesis of isoquinolines. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3489-3496.	2.8	31
47	Zirconium-MOF-catalysed selective synthesis of β -hydroxyamide via the transfer hydrogenation of α -ketoamide. <i>New Journal of Chemistry</i> , 2019, 43, 6160-6167.	2.8	16
48	Ruthenium-Catalyzed Annulation of <i>N</i> -Cbz Hydrazones via C-H/N Bond Activation for the Rapid Synthesis of Isoquinolines. <i>Synthesis</i> , 2019, 51, 2506-2514.	2.3	14
49	Rapid and Atom Economic Synthesis of Isoquinolines and Isoquinolinones by C-H/N Bond Activation Using a Homogeneous Recyclable Ruthenium Catalyst in PEG Media. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2919-2927.	2.4	21
50	Oxime palladacycle in PEG as a highly efficient and recyclable catalytic system for phenoxy carbonylation of aryl iodides with phenols. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4741.	3.5	9
51	Nickel, Cobalt and Palladium Catalysed C-H Functionalization of Unactivated C(sp ³) ³ -H Bond. <i>Chemical Record</i> , 2019, 19, 1829-1857.	5.8	49
52	Green syntheses of levulinate esters using ionic liquid 1-Methyl imidazolium hydrogen sulphate [MIM][HSO ₄] in solvent free system. <i>Journal of Molecular Liquids</i> , 2019, 281, 70-80.	4.9	27
53	Pd/C-catalyzed synthesis of oxamates by oxidative cross double carbonylation of alcohols and tertiary amines through C-N bond cleavage. <i>New Journal of Chemistry</i> , 2019, 43, 18072-18078.	2.8	9
54	Electronic And Steric Effect Favored Selective Synthesis Of Asymmetric (α -N-Aryl Mandelamides. <i>ChemistrySelect</i> , 2019, 4, 14032-14035.	1.5	7

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55	Recent advances for sustainable production of levulinic acid in ionic liquids from biomass: Current scenario, opportunities and challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 102, 266-284.	16.4	69
56	Cu@U-g-C ₃ N ₄ Catalyzed Cyclization of o-Phenylenediamines for the Synthesis of Benzimidazoles by Using CO ₂ and Dimethylamine Borane as a Hydrogen Source. <i>Catalysis Letters</i> , 2019, 149, 347-359.	2.6	31
57	Aminophosphine Palladium Pincer-Catalyzed Carbonylative Sonogashira and Suzuki-Miyaura Cross-Coupling with High Catalytic Turnovers. <i>ACS Omega</i> , 2019, 4, 1560-1574.	3.5	24
58	Amine-Functionalized Graphene Oxide-Stabilized Pd Nanoparticles (Pd@APGO): A Novel and Efficient Catalyst for the Suzuki and Carbonylative Suzuki-Miyaura Coupling Reactions. <i>ACS Omega</i> , 2019, 4, 643-649.	3.5	64
59	Enhanced biocatalytic activity of immobilized steapsin lipase in supercritical carbon dioxide for production of biodiesel using waste cooking oil. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 47-61.	3.4	28
60	Metal Ion-Containing Ionic Liquid Catalysts on Solid Supports for Organic Reactions. , 2019, , 1-21.		0
61	Shape-selective synthesis of gold nanoparticles and their catalytic activity towards reduction of p-nitroaniline. <i>Nano Structures Nano Objects</i> , 2018, 14, 125-130.	3.5	34
62	Ligand Assisted Rhodium Catalyzed Selective Semi-Hydrogenation of Alkynes Using Syngas and Molecular Hydrogen. <i>ChemistrySelect</i> , 2018, 3, 713-718.	1.5	15
63	Ionic Liquid Immobilized on Graphene Oxide-Containing Palladium Metal Ions as an Efficient Catalyst for the Alkoxy, Amino, and Phenoxy Carbonylation Reactions. <i>ChemNanoMat</i> , 2018, 4, 575-582.	2.8	13
64	Palladium-Catalyzed Aerobic Oxidative Carbonylation of C-H Bonds in Phenols for the Synthesis of p-Hydroxybenzoates. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2877-2881.	2.4	4
65	Electrodimerization of N-Alkoxyamides for Zinc(II) Catalyzed Phenolic Ester Synthesis under Mild Reaction Conditions. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2511-2521.	4.3	14
66	Immobilized lipase catalyzed synthesis of n-octyl acetate: parameter optimization, heterogeneous kinetics, continuous flow operation and reactor modeling. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2906-2916.	3.2	10
67	Catalysis for sustainable development. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 681-682.	4.1	0
68	Nanoceria-Catalyzed Selective Synthesis of α -Hydroxy Amides through the Reduction of an Unusual Class of α -Keto Amides. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 922-931.	2.7	7
69	Molecular Iodine Catalysed Benzylic sp ³ C-H Bond Amination for the Synthesis of 2-Arylquinazolines from 2-Aminobenzaldehydes, 2-Aminobenzophenones and 2-Aminobenzyl Alcohols. <i>Synlett</i> , 2018, 29, 979-985.	1.8	21
70	Combining Electronic and Steric Effects To Generate Hindered Propargylic Alcohols in High Enantiomeric Excess. <i>Organic Letters</i> , 2018, 20, 975-978.	4.6	30
71	Recent trends in organocatalyzed asymmetric reduction of prochiral ketones. <i>Catalysis Science and Technology</i> , 2018, 8, 955-969.	4.1	39
72	Assessing ionicity of protic ionic liquids by far IR spectroscopy. <i>Journal of Molecular Liquids</i> , 2018, 252, 180-183.	4.9	11

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73	Ru ^{II} -Prolinamide-Catalyzed Asymmetric Transfer Hydrogenation of Racemic β -Heterosubstituted Cycloalkanones Driven by Dynamic Kinetic Resolution. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 346-349.	2.7	10
74	Rh-catalyzed selective synthesis of 1,5-dimethylhexahydro-1H-inden-4(2H)-one via hydroformylation of (R)-carvone. <i>Catalysis Communications</i> , 2018, 112, 21-25.	3.3	1
75	Rhodium catalyzed selective hydroaminomethylation of biorenewable eugenol under aqueous biphasic condition. <i>Molecular Catalysis</i> , 2018, 452, 108-116.	2.0	10
76	Sulphated Al-MCM-41: A simple, efficient and recyclable catalyst for synthesis of substituted aryl ketones/olefins via alcohols addition to alkynes and coupling with styrenes. <i>Molecular Catalysis</i> , 2018, 452, 46-53.	2.0	10
77	Ru@PSIL-Catalyzed Synthesis of <i>N</i> -Formamides and Benzimidazole by using Carbon Dioxide and Dimethylamine Borane. <i>ChemCatChem</i> , 2018, 10, 2593-2600.	3.7	58
78	Synthesis and evaluation of n-octenyl succinylated guar gum as an anti-staling agent in bread. <i>LWT - Food Science and Technology</i> , 2018, 93, 368-375.	5.2	6
79	Synthesis of Cu ₂ O/Ag nanocomposite and their catalytic application for the one pot synthesis of substituted pyrroles. <i>Molecular Catalysis</i> , 2018, 451, 13-19.	2.0	17
80	Reductive-hydroformylation of 1-octene to nonanol using fibrous Co ₃ O ₄ catalyst. <i>Catalysis Today</i> , 2018, 309, 147-152.	4.4	22
81	Ligand-Assisted Pd-Catalyzed <i>N</i> -Dealkylative Carbonylation of Tertiary Amines with (Hetero)Aryl Halides to Tertiary Amides. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 160-164.	2.7	16
82	Synthesis of Ethylene Glycol from Syngas via Oxidative Double Carbonylation of Ethanol to Diethyl Oxalate and Its Subsequent Hydrogenation. <i>ACS Omega</i> , 2018, 3, 11097-11103.	3.5	21
83	Semi-hydrogenation of alkynes using Ru/TPPTS as a biphasic recyclable catalyst in ethylene glycol-toluene solvent system. <i>Molecular Catalysis</i> , 2018, 460, 1-6.	2.0	11
84	Highly Enantioselective One-Pot Synthesis of Chiral β -Heterosubstituted Alcohols via Ruthenium ^{II} -Prolinamide-Catalyzed Asymmetric Transfer Hydrogenation. <i>ACS Omega</i> , 2018, 3, 12737-12745.	3.5	8
85	Co-Al Hydrotalcites: Highly Active Catalysts for the One-Pot Conversion of Fructose to 2,5-Diformylfuran. <i>ChemistrySelect</i> , 2018, 3, 11388-11397.	1.5	8
86	B(C ₆ F ₅) ₃ : a robust catalyst for the activation of CO ₂ and dimethylamine borane for the <i>N</i> -formylation reactions. <i>New Journal of Chemistry</i> , 2018, 42, 15847-15851.	2.8	32
87	Rhodium/Phosphine catalysed selective hydroformylation of biorenewable olefins. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4478.	3.5	6
88	Prediction of enantioselectivity of lipase catalyzed kinetic resolution using umbrella sampling. <i>Journal of Biotechnology</i> , 2018, 283, 70-80.	3.8	4
89	CuNiFe a Magnetic Nano-Catalyst: an Efficient Catalyst for the Selective Synthesis of Benzoxazoles. <i>ChemistrySelect</i> , 2018, 3, 7963-7969.	1.5	6
90	Asymmetric transfer hydrogenation of acetophenone derivatives using β -benzyl-tethered ruthenium (II)/TsDPEN complexes bearing β -6-(p-OR) (R ^A = H, iPr, Bn, Ph) ligands. <i>Journal of Organometallic Chemistry</i> , 2018, 875, 72-79.	1.8	12

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91	Direct Synthesis of Amides from Oxidative Coupling of Benzyl Alcohols and N-substituted Formamides Using a Co ^{II} -Al Based Heterogeneous Catalyst. <i>Catalysis Letters</i> , 2018, 148, 3102-3111.	2.6	6
92	<i>N</i> -Tosylhydrazone directed annulation via C ^H /N ^H bond activation in Ru(<i>scpd</i>)/PEG-400 as homogeneous recyclable catalytic system: a green synthesis of isoquinolines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4864-4873.	2.8	19
93	Dedicated and Waste Feedstocks for Biorefinery: An Approach to Develop a Sustainable Society. , 2018, , 3-38.		18
94	Ultrasound Assisted Synthesis of Gold Nanoparticles as an Efficient Catalyst for Reduction of Various Nitro Compounds. <i>ChemistrySelect</i> , 2017, 2, 1225-1231.	1.5	24
95	Mechanistic aspects of formation of MgO nanoparticles under microwave irradiation and its catalytic application. <i>Advanced Powder Technology</i> , 2017, 28, 1185-1192.	4.1	46
96	An Improved Strategy for the Synthesis of Ethylene Glycol by Oxamate ²⁻ -Mediated Catalytic Hydrogenation. <i>ChemSusChem</i> , 2017, 10, 1356-1359.	6.8	14
97	Advances in Catalysis for Sustainable Development Special Issue. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3597-3597.	6.7	4
98	Chemoselective Cleavage of C(CO) ² C Bond: Molecular Iodine ²⁺ -Catalyzed Synthesis of Quinazolines through sp ³ C ^H Bond Functionalization of Aryl Methyl Ketones. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 831-836.	2.7	12
99	Pd/C in Propylene Carbonate: A Sustainable Catalyst ²⁺ -Solvent System for the Carbonylative Suzuki ²⁺ -Miyaura Cross ²⁺ -Coupling Using <i>N</i> -Formylsaccharin as a CO Surrogate. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3431-3437.	2.4	35
100	<i>tert</i> -Butyl Nitrite-Mediated Synthesis of <i>N</i> -Nitrosoamides, Carboxylic Acids, Benzocoumarins, and Isocoumarins from Amides. <i>Journal of Organic Chemistry</i> , 2017, 82, 5769-5781.	3.2	48
101	Pd/C catalyzed phenoxycarbonylation using <i>N</i> -formylsaccharin as a CO surrogate in propylene carbonate, a sustainable solvent. <i>Green Chemistry</i> , 2017, 19, 823-830.	9.0	46
102	Ultrasound ²⁺ -Assisted Preparation of Copper(I) Oxide Nanocubes: High Catalytic Activity in the Synthesis of Quinazolines. <i>ChemCatChem</i> , 2017, 9, 1292-1297.	3.7	19
103	Catalytic asymmetric synthesis of $\hat{1}^2$ -triazolyl amino alcohols by asymmetric transfer hydrogenation of $\hat{1}^{\pm}$ -triazolyl amino alkanones. <i>Tetrahedron: Asymmetry</i> , 2017, 28, 974-982.	1.8	14
104	In situ Generation and Utilization of CO: An Efficient Route towards N-Substituted Saccharin via Carbonylative Cyclization of 2-Iodosulfonamides. <i>Synlett</i> , 2017, 28, 2000-2003.	1.8	2
105	Highly regio-selective hydroformylation of biomass derived eugenol using aqueous biphasic Rh/TPPTS/CDs as a greener and recyclable catalyst. <i>Molecular Catalysis</i> , 2017, 436, 157-163.	2.0	16
106	Fabrication of Amine and Zirconia on MCM ⁴¹ as Acid ²⁺ -Base Catalysts for the Fixation of Carbon Dioxide. <i>ChemCatChem</i> , 2017, 9, 4105-4111.	3.7	18
107	Carbonylative Tertiary Amide Synthesis from Aryl Iodides and Tertiary Amines via C ^H /N ^H Bond Cleavage Catalyzed by Palladium(II) Chloride in Polyethylene Glycol/Water. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2621-2629.	4.3	45
108	Ru-Catalyzed asymmetric transfer hydrogenation of substituted dibenzo[b,f][1,4]oxazepines in water. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5263-5267.	2.8	19

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109	Investigation of deactivation thermodynamics of lipase immobilized on polymeric carrier. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 741-757.	3.4	23
110	Kinetic resolution of 1,2-diols using immobilized <i>Burkholderia cepacia</i> lipase: A combined experimental and molecular dynamics investigation. <i>Journal of Biotechnology</i> , 2017, 262, 1-10.	3.8	11
111	Cuprous Oxide Nanoparticle Supported on Iron Oxide (Cu ₂ O-Fe ₃ O ₄): Magnetically Separable and Reusable Nanocatalyst for the Synthesis of Quinazolines. <i>ChemistrySelect</i> , 2017, 2, 10055-10060.	1.5	11
112	An Electrochemical Method for Carboxylic Ester Synthesis from <i>N</i> -Alkoxyamides. <i>Journal of Organic Chemistry</i> , 2017, 82, 10025-10032.	3.2	22
113	Palladium-Catalyzed Carbonylative and Carboxylative C-H Functionalization Reactions. , 2017, , 233-274.		0
114	iEDDA Reaction of the Molecular Iodine-Catalyzed Synthesis of 1,3,5-Triazines via Functionalization of the sp ³ C-H Bond of Acetophenones with Amidines: An Experimental Investigation and DFT Study. <i>Journal of Organic Chemistry</i> , 2017, 82, 13239-13249.	3.2	11
115	Immobilization of <i>Rhizomucor miehei</i> lipase on a polymeric film for synthesis of important fatty acid esters: kinetics and application studies. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1463-1478.	3.4	27
116	Bifunctional Ionic Liquids Derived from Biorenewable Sources as Sustainable Catalysts for Fixation of Carbon Dioxide. <i>ChemSusChem</i> , 2017, 10, 1145-1151.	6.8	98
117	A Simple, Additive Free Approach for Synthesis of Cu/Cu ₂ O Nanoparticles: Effect of Precursors in Morphology Selectivity. <i>Journal of Cluster Science</i> , 2017, 28, 1215-1224.	3.3	8
118	Room Temperature Synthesis of Copper Oxide Nanoparticles: Morphological Evaluation and Their Catalytic Applications for Degradation of Dyes and C-N Bond Formation Reaction. <i>ChemistrySelect</i> , 2016, 1, 6297-6307.	1.5	35
119	Kinetic Resolution Driven Diastereo- and Enantioselective Synthesis of cis- β -Heteroaryl Amino Cycloalkanols by Ruthenium-Catalyzed Asymmetric Transfer Hydrogenation. <i>Organic Letters</i> , 2016, 18, 6436-6439.	4.6	52
120	Combined docking and molecular dynamics study of lipase catalyzed kinetic resolution of 1-phenylethanol in organic solvents. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S119-S127.	1.8	11
121	Kinetics of reverse water-gas shift reaction over Pt/Al ₂ O ₃ catalyst. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 101-106.	1.7	15
122	A magnetic adsorbent for the mutual separation of Am(III) and Eu(III) from dilute nitric acid medium. <i>Colloids and Interface Science Communications</i> , 2016, 12, 13-16.	4.1	4
123	Palladium-Catalyzed Oxidative <i>N</i> -Dealkylation/Carbonylation of Tertiary Amines with Alkynes to β , β -Alkynylamides. <i>Journal of Organic Chemistry</i> , 2016, 81, 4974-4980.	3.2	37
124	Modern ab initio valence bond theory calculations reveal charge shift bonding in protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15783-15790.	2.8	8
125	Immobilized ruthenium metal-containing ionic liquid-catalyzed dehydrogenation of dimethylamine borane complex for the reduction of olefins and nitroarenes. <i>RSC Advances</i> , 2016, 6, 52347-52352.	3.6	14
126	Bifunctional Ionic Liquids for the Multitask Fixation of Carbon Dioxide into Valuable Chemicals. <i>ChemCatChem</i> , 2016, 8, 244-250.	3.7	69

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262	Selective hydroformylation of various olefins using diphosphinite ligands. <i>Applied Organometallic Chemistry</i> , 2013, 27, 313-317.	3.5	11
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308	Carbon Monoxide-Free One-Step Synthesis of Isoindole-1,3-diones by Cycloaminocarbonylation of <i>o</i> -Haloarenes Using Formamides. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6719-6724.	2.4	30
309	Ultrasound assisted additive free synthesis of nanocrystalline zinc oxide. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 54-58.	8.2	44
310	Reductive carbonylation of aryl and heteroaryl iodides using Pd(acac) ₂ /dppm as an efficient catalyst. <i>Tetrahedron Letters</i> , 2011, 52, 2383-2386.	1.4	24
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321	FeCl ₃ /PPh ₃ -catalyzed Sonogashira coupling reaction of aryl iodides with terminal alkynes. <i>Tetrahedron Letters</i> , 2010, 51, 2758-2761.	1.4	31
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323	Microwave ECR plasma CVD of cubic Y ₂ O ₃ coatings and their characterization. <i>Surface and Coatings Technology</i> , 2010, 204, 3167-3172.	4.8	54
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341	Polyvinylsulfonic acid as a novel Brønsted acid catalyst for Michael addition of indoles to β^2 -unsaturated ketones. <i>Catalysis Communications</i> , 2009, 10, 1569-1573.	3.3	12
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344	Hydrogenation of α,β -Unsaturated Carbonyl Compounds Using Recyclable Water-Soluble FeII/EDTA Complex Catalyst. <i>Catalysis Letters</i> , 2008, 124, 157-164.	2.6	29
345	Ultrasound assisted synthesis of metal-1,3-diketones. <i>Inorganic Chemistry Communication</i> , 2008, 11, 733-736.	3.9	18
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347	Palladium bis(2,2,6,6-tetramethyl-3,5-heptanedionate) catalyzed Suzuki, Heck, Sonogashira, and cyanation reactions. <i>Tetrahedron</i> , 2008, 64, 3655-3660.	1.9	87
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349	Direct reductive amination of carbonyl compounds with primary/secondary amines using recyclable water-soluble FeII/EDTA complex as catalyst. <i>Tetrahedron Letters</i> , 2008, 49, 965-969.	1.4	72
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363	Synthesis of Propargylic Alcohols by base promoted Alkynylation of Ketones with Ethynylbenzene using Ionic Liquid [(bmim) PF ₆]. <i>Journal of Chemical Research</i> , 2007, 2007, 370-372.	1.3	6
364	Zinc Mediated Selective Acylation of Ferrocene under Solvent-Free Conditions. <i>Journal of Chemical Research</i> , 2007, 2007, 426-428.	1.3	7
365	Synthesis of Sterically Hindered 1,3- β -diketones. <i>Synthetic Communications</i> , 2007, 37, 4111-4115.	2.1	18
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374	Mesoporous smectites incorporated with alkali metal cations as solid base catalysts. <i>Applied Catalysis A: General</i> , 2006, 313, 151-159.	4.3	51
375	Palladium/1,2-bis(diphenylphosphino) ethane catalysed amination of aryl halides with aliphatic/aromatic amines. <i>Journal of Molecular Catalysis A</i> , 2006, 259, 46-50.	4.8	12
376	An efficient oxidative coupling of naphthols catalyzed by Fe impregnated pillared montmorillonite K10. <i>Catalysis Letters</i> , 2006, 112, 45-50.	2.6	14
377	Synthesis of cyclic carbonates from carbon dioxide and epoxides using alkali metal halide supported liquid phase catalyst. <i>Catalysis Letters</i> , 2006, 112, 51-55.	2.6	42
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380	One-pot synthesis of styrene carbonate from styrene in tetrabutylammonium bromide. <i>Catalysis Today</i> , 2004, 93-95, 383-388.	4.4	68
381	Rhodium- μ -tris(3,5-bis(trifluoromethyl)phenyl)phosphine catalyzed hydroformylation of dienes to dialdehydes in supercritical carbon dioxide with high activity. <i>Tetrahedron Letters</i> , 2004, 45, 1307-1310.	1.4	23
382	Non-catalytic clean synthesis route using urea to cyclic urea and cyclic urethane compounds. <i>Green Chemistry</i> , 2004, 6, 78.	9.0	51
383	Direct oxidative carboxylation of styrene to styrene carbonate in the presence of ionic liquids. <i>Catalysis Communications</i> , 2004, 5, 83-87.	3.3	73
384	Synthesis of N,N ² -Disubstituted Urea from Ethylene Carbonate and Amine Using CaO. <i>Chemistry Letters</i> , 2004, 33, 742-743.	1.3	9
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