Pundlik Bhagat

List of Publications by Year
in descending order

63	1,284	331670 21	414414 32
papers	citations	h-index	g-index

68	68	68	1500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments of metal N-heterocyclic carbenes as anticancer agents. European Journal of Medicinal Chemistry, 2014, 81, 408-419.	5.5	117
2	Highly dispersible graphene oxide reinforced polypyrrole/polyvinyl alcohol blend nanocomposites with high dielectric constant and low dielectric loss. RSC Advances, 2015, 5, 61933-61945.	3.6	93
3	Influence of K₂CrO₄Doping on the Structural, Optical and Dielectric Properties of Polyvinyl Alcohol/K₂CrO₄Composite Films. Polymer-Plastics Technology and Engineering, 2016, 55, 231-241.	1.9	73
4	Transesterification of castor oil using benzimidazolium based BrÃ¸nsted acid ionic liquid catalyst. Fuel, 2018, 231, 458-467.	6.4	54
5	Development and efficient 1-glycyl-3-methyl imidazolium chlorideâ€“copper(II) complex catalyzed highly enantioselective synthesis of 3, 4-dihydropyrimidin-2(1H)-ones. Journal of Organometallic Chemistry, 2013, 723, 154-162.	1.8	44
6	Carboxyl-functionalized ionic liquids based on Benzimidazolium cation: Study of Hammett values and catalytic activity towards one-pot synthesis of 1-amidoalkyl naphthols. Journal of Molecular Catalysis A, 2013, 380, 112-117.	4.8	41
7	A bioinspired ionic liquid tagged cobalt-salophen complex for nonenzymatic detection of glucose. Biosensors and Bioelectronics, 2017, 91, 380-387.	10.1	41
8	Sulphonic Acid-Functionalized Benzimidazolium Based Poly Ionic Liquid Catalyzed Esterification of Levulinic Acid. Catalysis Letters, 2018, 148, 680-690.	2.6	41
9	Polymer-supported benzimidazolium based ionic liquid: an efficient and reusable BrÃ¸nsted acid catalyst for Biginelli reaction. RSC Advances, 2016, 6, 105087-105093.	3.6	40
10	Microwave assisted synthesis of 3,5-disubstituted 1,2,4-oxadiazoles from substituted amidoximes and benzoyl cyanides. Tetrahedron Letters, 2013, 54, 3526-3529.	1.4	29
11	Palladiumâ€“N-heterocyclic carbene complexes for the Mizorokiâ€“Heck reaction: An appraisal. Comptes Rendus Chimie, 2017, 20, 773-804.	0.5	29
12	A highly recoverable polymer-supported ionic salen-palladium complex as a catalyst for the Suzuki-Miyaura cross coupling in neat water. Journal of Organometallic Chemistry, 2018, 854, 131-139.	1.8	26
13	A polymer-supported salen-palladium complex as a heterogeneous catalyst for the Mizoroki-Heck cross-coupling reaction. Inorganica Chimica Acta, 2019, 495, 119017.	2.4	26
14	BrÃ¸nsted acid functionalized phthalocyanine on perylene diimide framework knotted with ionic liquid: An efficient photo-catalyst for production of biofuel component octyl levulinate at ambient conditions under visible light irradiation. Fuel, 2020, 279, 118390.	6.4	26
15	Facile esterification of carboxylic acid using amide functionalized benzimidazolium dicationic ionic liquids. Applied Catalysis A: General, 2014, 482, 214-220.	4.3	25
16	Designing of thermally stable amide functionalized benzimidazolium perchlorate ionic liquid for transamidation of primary carboxamides. Applied Catalysis A: General, 2015, 493, 158-167.	4.3	25
17	Polymer supported Zn-salen complexes: An effective one-pot oxidative esterification of aldehydes to carboxylic esters. Journal of Molecular Liquids, 2017, 242, 1085-1095.	4.9	25
18	Synthesis and characterization of polymer supported Fe-phthalocyanine entangled with carboxyl functionalized benzimidazolium moiety: A heterogeneous catalyst for efficient visible-light-driven degradation of organic dyes from aqueous solutions. Journal of Molecular Liquids, 2019, 288, 111032.	4.9	25

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19	Development of an efficient solvent free one-pot Heck reaction catalyzed by novel palladium (II) complex-via green approach. Journal of Molecular Catalysis A, 2012, 358, 112-120.	4.8	24
20	A novel CuCl2/BIL catalyst for direct oxidation of alcohol to acid at ambient temperature. Catalysis Communications, 2012, 26, 189-193.	3.3	23
21	Deep-desulfurization of the petroleum diesel using the heterogeneous carboxyl functionalized poly-ionic liquid. Resource-efficient Technologies, 2016, 2, S105-S113.	0.1	23
22	Convenient synthesis of imidazolium based dicationic ionic liquids. Research on Chemical Intermediates, 2016, 42, 5587-5596.	2.7	22
23	Designing a sulphonic acid functionalized benzimidazolium based poly(ionic liquid) for efficient adsorption of hexavalent chromium. RSC Advances, 2016, 6, 37757-37764.	3.6	20
24	Ultrasonication-Assisted and Benzimidazolium-Based BrÃ¸nsted Acid Ionic Liquid-Catalyzed Transesterification of Castor Oil. ACS Omega, 2018, 3, 15455-15463.	3.5	19
25	A novel amino acid functionalized ionic liquid promoted one-pot solvent-free synthesis of 3,4-dihydropyrimidin-2-(1H)-thiones. Research on Chemical Intermediates, 2013, 39, 1335-1342.	2.7	18
26	Sugarcane bio-refinery products: An efficient one umbrella approach for synthesis of biofuel and value-added compounds using metal-free photo-catalyst. Fuel, 2021, 303, 121154.	6.4	18
27	NHCâ€“metal complexes based on benzimidazolium moiety for chemical transformation. Arabian Journal of Chemistry, 2016, 9, S1765-S1778.	4.9	17
28	Synthesis of polymer-supported BrÃ¸nsted acid-functionalized Znâ€“porphyrin complex, knotted with benzimidazolium moiety for photodegradation of azo dyes under visible-light irradiation. Research on Chemical Intermediates, 2020, 46, 783-802.	2.7	16
29	Dry route process and wet route process for algal biodiesel production: A review of techno-economical aspects. Chemical Engineering Research and Design, 2021, 174, 365-385.	5.6	16
30	Visible light assisted sulfonic acid-functionalized porphyrin comprising benzimidazolium moiety for photocatalytic transesterification of castor oil. Fuel, 2021, 304, 121490.	6.4	16
31	A novel, green 1-glycyl-3-methyl imidazolium chlorideâ€“copper(II) complex catalyzed CH oxidation of alkyl benzene and cyclohexane. Chinese Chemical Letters, 2012, 23, 681-684.	9.0	15
32	Sulphonic acid functionalized porphyrin anchored with a meso-substituted triazolium ionic liquid moiety: a heterogeneous photo-catalyst for metal/base free Câ€“C cross-coupling and Câ€“N/Câ€“H activation using aryl chloride under visible light irradiation. New Journal of Chemistry, 2020, 44, 19690-19712.	2.8	15
33	Silver (I) complexes of imidazolium based N-heterocyclic carbenes for antibacterial applications. Journal of Molecular Liquids, 2017, 231, 396-403.	4.9	14
34	Solvent-free synthesis of Î²-amino ketones using carboxyl-functionalized poly(ionic liquid) at room temperature. Research on Chemical Intermediates, 2018, 44, 787-798.	2.7	14
35	Perylene supported metal free brÃ¸nsted acid-functionalized porphyrin intertwined with benzimidazolium moiety for enhanced photocatalytic etherification of furfuryl alcohol. Fuel, 2020, 278, 118394.	6.4	14
36	A novel l-amino acid ionic liquid for quick and highly efficient synthesis of oxime derivatives â€“ An environmental benign approach. Arabian Journal of Chemistry, 2016, 9, S1036-S1039.	4.9	13

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37	Nonpolar Solvent a Key for Highly Regioselective S_NAr Reaction in the Case of 2,4-Difluoronitrobenzene. Organic Process Research and Development, 2014, 18, 912-918.	2.7	12
38	Iron(III)â€“salen complex on a polymer scaffold as heterogeneous catalyst for synthesis of benzimidazoles. Research on Chemical Intermediates, 2019, 45, 155-168.	2.7	12
39	Polymer-Supported Fe-Phthalocyanine Derived Heterogeneous Photo-Catalyst for the Synthesis of Tetrazoles Under Visible Light Irradiation. Catalysis Letters, 2021, 151, 1948-1960.	2.6	12
40	Development of highly enantioselective asymmetric aldol reaction catalyzed by 1-glycyl-3-methyl imidazolium chlorideâ€“iron(III) complex. Journal of Molecular Catalysis A, 2013, 379, 333-339.	4.8	11
41	Synthesis, Characterization and Antimicrobial properties of Methylbenzyl and Nitrobenzyl containing Imidazolium-based Silver N -Heterocyclic Carbenes. Journal of Molecular Liquids, 2017, 233, 270-277.	4.9	11
42	Biodiesel production via esterification of oleic acid catalyzed by BrÃ¸nsted acid-functionalized porphyrin grafted with benzimidazolium-based ionic liquid as an efficient photocatalyst. Biomass Conversion and Biorefinery, 0, , 1.	4.6	11
43	Efficient photocatalytic acetalization of furfural to biofuel components using carboxyl-functionalized porphyrin photocatalyst, under visible light irradiations. Biomass Conversion and Biorefinery, 2023, 13, 7737-7754.	4.6	11
44	Selective oxidation of alcohol to carbonyl compound catalyzed by l-aspartic acid coupled imidazolium based ionic liquid. Journal of Molecular Liquids, 2012, 173, 180-183.	4.9	10
45	Transitionâ€Metalâ€Free Crossâ€Coupling Reactions by Single Electron Transfer (SET). European Journal of Organic Chemistry, 2014, 2014, 311-314.	2.4	10
46	Facile access to polymer supported zincâ€“salen complex: highly efficient heterogeneous catalyst for synthesizing hydantoins, thiohydantoins and Schiff bases in aqueous medium. Research on Chemical Intermediates, 2018, 44, 2075-2097.	2.7	9
47	Synthesis and characterization of a conjugated porphyrin dyad entangled with carboxyl functionalized benzimidazolium: an efficient metal free sensitizer for DSSCs. New Journal of Chemistry, 2021, 45, 1430-1445.	2.8	9
48	Recyclable polymer-supportedÂcarboxyl functionalized Znâ€“porphyrin photocatalyst for transfer hydrogenation of levulinic acidÂto Î³-valerolactone. Biomass Conversion and Biorefinery, 0, , 1.	4.6	9
49	A novel L-asparaginyl Amido ethyl methyl imidazolium bromide catalyst for heterogeneous epoxidation of Î±, Î²-unsaturated ketones. Journal of Molecular Liquids, 2012, 172, 136-139.	4.9	8
50	Metal Free Porphyrin Photocatalyst Comprising Ionic Liquid with Electron Donor Acceptor Moiety for Visible Light Assisted Oxidative Amination. ChemistrySelect, 2022, 7, .	1.5	8
51	A novel imidazoliumâ€supported palladiumâ€“chloroglycine complex: copperâ€and solventâ€free highâ€turnover catalysts for the Sonogashira coupling reaction. Applied Organometallic Chemistry, 2012, 26, 562-569.	3.5	7
52	Synthesis and evaluation of cyclohexane carboxylic acid head group containing isoxazole and thiazole analogs as DGAT1 inhibitors. European Journal of Medicinal Chemistry, 2014, 79, 203-215.	5.5	7
53	l-Valine functionalized ionic liquid catalyzed esterification reaction under approach. Arabian Journal of Chemistry, 2016, 9, S1679-S1682.	4.9	4
54	In vitro antimicrobial evaluation, effects of halide concentration and hemolysis study of silver-N-heterocyclic carbene complexes. Research on Chemical Intermediates, 2018, 44, 2099-2110.	2.7	4

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55	Star-type melamine based conjugated carboxy functionalized porphyrin trimer for DSSCs: An efficient approach to clean, aggregation free and true energy generation. Materials Chemistry and Physics, 2022, 287, 126312.	4.0	4
56	Cytotoxic behavior of binuclear silver N-heterocyclic carbenes in HCT 116 cells and influence of substitution on cytotoxicity. Research on Chemical Intermediates, 2017, 43, 4851-4862.	2.7	3
57	Design of Metal-free Porphyrin Photocatalyst: Synergetic Effect of Donorâ€“Acceptor Phenomenon for 1, 1-Diethoxyethane Production under Visible Light. Biomass Conversion and Biorefinery, 2024, 14, 1037-1058.	4.6	3
58	Ant-like small molecule metal-free dimeric porphyrin sensitizer for true energy-generating DSSC with 9.3% efficiency. Journal of Materials Science: Materials in Electronics, 2022, 33, 14305-14322.	2.2	3
59	Novel and efficient method for esterification catalyzed by 1-glycyl-3-methyl imidazolium chloride-iron (III) complex. Journal of the Iranian Chemical Society, 2012, 9, 983-990.	2.2	2
60	Risk Factors and Hazards in the Household Environment for Elevated Blood Lead Levels in Urban Preschool Children of Vellore: A Caseâ€“Control Approach in the MAL-ED Birth Cohort. Indian Journal of Pediatrics, 2021, , 1.	0.8	2
61	Production of Furfural-Diethyl-Acetal as Biofuel Additives for Gasoline by Metal Free Porphyrin Photocatalyst Under Visible Light. Catalysis Letters, 2022, 152, 2386-2400.	2.6	2
62	Functionalized Ionic Liquids for the Photodegradation of Dyes. Environmental Chemistry for A Sustainable World, 2021, , 391-409.	0.5	2
63	Comparing the Tribological Properties of Chloride-Based and Tetra Fluoroborate-Based Ionic Liquids. Annales De Chimie: Science Des Materiaux, 2019, 43, 317-327.	0.4	1