

# Pundlik Bhagat

## List of Publications by Year in descending order

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63  
papers

1,284  
citations

331670

21  
h-index

414414

32  
g-index

68  
all docs

68  
docs citations

68  
times ranked

1500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Metal-free Porphyrin Photocatalyst: Synergetic Effect of Donor–Acceptor Phenomenon for 1, 1-Diethoxyethane Production under Visible Light. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 1037-1058.	4.6	3
2	Efficient photocatalytic acetalization of furfural to biofuel components using carboxyl-functionalized porphyrin photocatalyst, under visible light irradiations. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 7737-7754.	4.6	11
3	Production of Furfural-Diethyl-Acetal as Biofuel Additives for Gasoline by Metal Free Porphyrin Photocatalyst Under Visible Light. <i>Catalysis Letters</i> , 2022, 152, 2386-2400.	2.6	2
4	Metal Free Porphyrin Photocatalyst Comprising Ionic Liquid with Electron Donor Acceptor Moiety for Visible Light Assisted Oxidative Amination. <i>ChemistrySelect</i> , 2022, 7, .	1.5	8
5	Ant-like small molecule metal-free dimeric porphyrin sensitizer for true energy-generating DSSC with 9.3% efficiency. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 14305-14322.	2.2	3
6	Star-type melamine based conjugated carboxy functionalized porphyrin trimer for DSSCs: An efficient approach to clean, aggregation free and true energy generation. <i>Materials Chemistry and Physics</i> , 2022, 287, 126312.	4.0	4
7	Synthesis and characterization of a conjugated porphyrin dyad entangled with carboxyl functionalized benzimidazolium: an efficient metal free sensitizer for DSSCs. <i>New Journal of Chemistry</i> , 2021, 45, 1430-1445.	2.8	9
8	Risk Factors and Hazards in the Household Environment for Elevated Blood Lead Levels in Urban Preschool Children of Vellore: A Case–Control Approach in the MAL-ED Birth Cohort. <i>Indian Journal of Pediatrics</i> , 2021, , 1.	0.8	2
9	Dry route process and wet route process for algal biodiesel production: A review of techno-economical aspects. <i>Chemical Engineering Research and Design</i> , 2021, 174, 365-385.	5.6	16
10	Visible light assisted sulfonic acid-functionalized porphyrin comprising benzimidazolium moiety for photocatalytic transesterification of castor oil. <i>Fuel</i> , 2021, 304, 121490.	6.4	16
11	Sugarcane bio-refinery products: An efficient one umbrella approach for synthesis of biofuel and value-added compounds using metal-free photo-catalyst. <i>Fuel</i> , 2021, 303, 121154.	6.4	18
12	Polymer-Supported Fe-Phthalocyanine Derived Heterogeneous Photo-Catalyst for the Synthesis of Tetrazoles Under Visible Light Irradiation. <i>Catalysis Letters</i> , 2021, 151, 1948-1960.	2.6	12
13	Functionalized Ionic Liquids for the Photodegradation of Dyes. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 391-409.	0.5	2
14	Synthesis of polymer-supported Brønsted acid-functionalized Zn–porphyrin complex, knotted with benzimidazolium moiety for photodegradation of azo dyes under visible-light irradiation. <i>Research on Chemical Intermediates</i> , 2020, 46, 783-802.	2.7	16
15	Sulphonic acid functionalized porphyrin anchored with a <i>meso</i> -substituted triazolium ionic liquid moiety: a heterogeneous photo-catalyst for metal/base free C–C cross-coupling and C–N/C–H activation using aryl chloride under visible light irradiation. <i>New Journal of Chemistry</i> , 2020, 44, 19690-19712.	2.8	15
16	Brønsted 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. <i>Fuel</i> , 2020, 279, 118390.	6.4	26
17	Perylene supported metal free brønsted acid-functionalized porphyrin intertwined with benzimidazolium moiety for enhanced photocatalytic etherification of furfuryl alcohol. <i>Fuel</i> , 2020, 278, 118394.	6.4	14
18	A polymer-supported salen-palladium complex as a heterogeneous catalyst for the Mizoroki-Heck cross-coupling reaction. <i>Inorganica Chimica Acta</i> , 2019, 495, 119017.	2.4	26

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19	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. <i>Journal of Molecular Liquids</i> , 2019, 288, 111032.	4.9	25
20	Iron(III)-salen complex on a polymer scaffold as heterogeneous catalyst for synthesis of benzimidazoles. <i>Research on Chemical Intermediates</i> , 2019, 45, 155-168.	2.7	12
21	Comparing the Tribological Properties of Chloride-Based and Tetra Fluoroborate-Based Ionic Liquids. <i>Annales De Chimie: Science Des Materiaux</i> , 2019, 43, 317-327.	0.4	1
22	Sulphonic Acid-Functionalized Benzimidazolium Based Poly Ionic Liquid Catalyzed Esterification of Levulinic Acid. <i>Catalysis Letters</i> , 2018, 148, 680-690.	2.6	41
23	Solvent-free synthesis of $\beta$ -amino ketones using carboxyl-functionalized poly(ionic liquid) at room temperature. <i>Research on Chemical Intermediates</i> , 2018, 44, 787-798.	2.7	14
24	In vitro antimicrobial evaluation, effects of halide concentration and hemolysis study of silver-N-heterocyclic carbene complexes. <i>Research on Chemical Intermediates</i> , 2018, 44, 2099-2110.	2.7	4
25	Facile access to polymer supported zinc-salen complex: highly efficient heterogeneous catalyst for synthesizing hydantoins, thiohydantoins and Schiff bases in aqueous medium. <i>Research on Chemical Intermediates</i> , 2018, 44, 2075-2097.	2.7	9
26	A highly recoverable polymer-supported ionic salen-palladium complex as a catalyst for the Suzuki-Miyaura cross coupling in neat water. <i>Journal of Organometallic Chemistry</i> , 2018, 854, 131-139.	1.8	26
27	Ultrasonication-Assisted and Benzimidazolium-Based Brønsted Acid Ionic Liquid-Catalyzed Transesterification of Castor Oil. <i>ACS Omega</i> , 2018, 3, 15455-15463.	3.5	19
28	Transesterification of castor oil using benzimidazolium based Brønsted acid ionic liquid catalyst. <i>Fuel</i> , 2018, 231, 458-467.	6.4	54
29	Synthesis, Characterization and Antimicrobial properties of Methylbenzyl and Nitrobenzyl containing Imidazolium-based Silver N-Heterocyclic Carbenes. <i>Journal of Molecular Liquids</i> , 2017, 233, 270-277.	4.9	11
30	Cytotoxic behavior of binuclear silver N-heterocyclic carbenes in HCT 116 cells and influence of substitution on cytotoxicity. <i>Research on Chemical Intermediates</i> , 2017, 43, 4851-4862.	2.7	3
31	Silver (I) complexes of imidazolium based N-heterocyclic carbenes for antibacterial applications. <i>Journal of Molecular Liquids</i> , 2017, 231, 396-403.	4.9	14
32	Palladium-N-heterocyclic carbene complexes for the Mizoroki-Heck reaction: An appraisal. <i>Comptes Rendus Chimie</i> , 2017, 20, 773-804.	0.5	29
33	A bioinspired ionic liquid tagged cobalt-salophen complex for nonenzymatic detection of glucose. <i>Biosensors and Bioelectronics</i> , 2017, 91, 380-387.	10.1	41
34	Polymer supported Zn-salen complexes: An effective one-pot oxidative esterification of aldehydes to carboxylic esters. <i>Journal of Molecular Liquids</i> , 2017, 242, 1085-1095.	4.9	25
35	L-Valine functionalized ionic liquid catalyzed esterification reaction under approach. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1679-S1682.	4.9	4
36	NHC-metal complexes based on benzimidazolium moiety for chemical transformation. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1765-S1778.	4.9	17

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37	A novel l-amino acid ionic liquid for quick and highly efficient synthesis of oxime derivatives – An environmental benign approach. <i>Arabian Journal of Chemistry</i> , 2016, 9, S1036-S1039.	4.9	13
38	Designing a sulphonic acid functionalized benzimidazolium based poly(ionic liquid) for efficient adsorption of hexavalent chromium. <i>RSC Advances</i> , 2016, 6, 37757-37764.	3.6	20
39	Deep-desulfurization of the petroleum diesel using the heterogeneous carboxyl functionalized poly-ionic liquid. <i>Resource-efficient Technologies</i> , 2016, 2, S105-S113.	0.1	23
40	Polymer-supported benzimidazolium based ionic liquid: an efficient and reusable Brønsted acid catalyst for Biginelli reaction. <i>RSC Advances</i> , 2016, 6, 105087-105093.	3.6	40
41	Convenient synthesis of imidazolium based dicationic ionic liquids. <i>Research on Chemical Intermediates</i> , 2016, 42, 5587-5596.	2.7	22
42	Influence of $K_2CrO_4$ Doping on the Structural, Optical and Dielectric Properties of Polyvinyl Alcohol/ $K_2CrO_4$ Composite Films. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 231-241.	1.9	73
43	Designing of thermally stable amide functionalized benzimidazolium perchlorate ionic liquid for transamidation of primary carboxamides. <i>Applied Catalysis A: General</i> , 2015, 493, 158-167.	4.3	25
44	Highly dispersible graphene oxide reinforced polypyrrole/polyvinyl alcohol blend nanocomposites with high dielectric constant and low dielectric loss. <i>RSC Advances</i> , 2015, 5, 61933-61945.	3.6	93
45	Synthesis and evaluation of cyclohexane carboxylic acid head group containing isoxazole and thiazole analogs as DGAT1 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 203-215.	5.5	7
46	Transition-Metal-Free Cross-Coupling Reactions by Single Electron Transfer (SET). <i>European Journal of Organic Chemistry</i> , 2014, 2014, 311-314.	2.4	10
47	Facile esterification of carboxylic acid using amide functionalized benzimidazolium dicationic ionic liquids. <i>Applied Catalysis A: General</i> , 2014, 482, 214-220.	4.3	25
48	Nonpolar Solvent a Key for Highly Regioselective $S_NAr$ Reaction in the Case of 2,4-Difluoronitrobenzene. <i>Organic Process Research and Development</i> , 2014, 18, 912-918.	2.7	12
49	Recent developments of metal N-heterocyclic carbenes as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 408-419.	5.5	117
50	Carboxyl-functionalized ionic liquids based on Benzimidazolium cation: Study of Hammett values and catalytic activity towards one-pot synthesis of 1-amidoalkyl naphthols. <i>Journal of Molecular Catalysis A</i> , 2013, 380, 112-117.	4.8	41
51	A novel amino acid functionalized ionic liquid promoted one-pot solvent-free synthesis of 3,4-dihydropyrimidin-2(1H)-thiones. <i>Research on Chemical Intermediates</i> , 2013, 39, 1335-1342.	2.7	18
52	Microwave assisted synthesis of 3,5-disubstituted 1,2,4-oxadiazoles from substituted amidoximes and benzoyl cyanides. <i>Tetrahedron Letters</i> , 2013, 54, 3526-3529.	1.4	29
53	Development and efficient 1-glycyl-3-methyl imidazolium chloride – copper(II) complex catalyzed highly enantioselective synthesis of 3, 4-dihydropyrimidin-2(1H)-ones. <i>Journal of Organometallic Chemistry</i> , 2013, 723, 154-162.	1.8	44
54	Development of highly enantioselective asymmetric aldol reaction catalyzed by 1-glycyl-3-methyl imidazolium chloride – iron(III) complex. <i>Journal of Molecular Catalysis A</i> , 2013, 379, 333-339.	4.8	11

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55	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
56	A novel L-asparaginy Amido ethyl methyl imidazolium bromide catalyst for heterogeneous epoxidation of $\alpha, \beta$ -unsaturated ketones. Journal of Molecular Liquids, 2012, 172, 136-139.	4.9	8
57	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
58	A novel CuCl <sub>2</sub> /BIL catalyst for direct oxidation of alcohol to acid at ambient temperature. Catalysis Communications, 2012, 26, 189-193.	3.3	23
59	A novel imidazolium-supported palladium-chloroglycine complex: copper-and solvent-free high-turnover catalysts for the Sonogashira coupling reaction. Applied Organometallic Chemistry, 2012, 26, 562-569.	3.5	7
60	A novel, green 1-glycyl-3-methyl imidazolium chloride-copper(II) complex catalyzed CH oxidation of alkyl benzene and cyclohexane. Chinese Chemical Letters, 2012, 23, 681-684.	9.0	15
61	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
62	Biodiesel production via esterification of oleic acid catalyzed by Brønsted acid-functionalized porphyrin grafted with benzimidazolium-based ionic liquid as an efficient photocatalyst. Biomass Conversion and Biorefinery, 0, , 1.	4.6	11
63	Recyclable polymer-supported-carboxyl functionalized Zn-porphyrin photocatalyst for transfer hydrogenation of levulinic acid to $\beta$ -valerolactone. Biomass Conversion and Biorefinery, 0, , 1.	4.6	9