

# Kasi Pitchumani

## List of Publications by Citations

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136  
papers

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37  
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54  
g-index

172  
ext. papers

4,467  
ext. citations

4.6  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
136	Solvent-free multicomponent synthesis of pyranopyrazoles: per-6-amino- $\beta$ -cyclodextrin as a remarkable catalyst and host. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 3312-3316	2	139
135	Palladium nanoparticles supported on triazine functionalised mesoporous covalent organic polymers as efficient catalysts for Mizoroki-Hiyama cross coupling reaction. <i>Green Chemistry</i> , <b>2014</b> , 16, 4223-4233	10	130
134	K10 montmorillonite clays as environmentally benign catalysts for organic reactions. <i>Catalysis Science and Technology</i> , <b>2014</b> , 4, 2378-2396	5.5	117
133	Cu(II)-hydrotalcite as an efficient heterogeneous catalyst for Huisgen [3+2] cycloaddition. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 2755-8	4.8	109
132	Syntheses of 5-substituted 1H-tetrazoles catalyzed by reusable CoY zeolite. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 9090-5	4.2	108
131	Nickel-Catalyzed Solvent-Free Three-Component Coupling of Aldehyde, Alkyne and Amine. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 411-415	3.2	91
130	Melamine-Based Microporous Network Polymer Supported Palladium Nanoparticles: A Stable and Efficient Catalyst for the Sonogashira Coupling Reaction in Water. <i>ChemCatChem</i> , <b>2015</b> , 7, 666-673	5.2	88
129	Zn <sup>2+</sup> -K10-clay (clayzic) as an efficient water-tolerant, solid acid catalyst for the synthesis of benzimidazoles and quinoxalines at room temperature. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 69-73	2	81
128	Per-6-amino- $\beta$ -cyclodextrin as an efficient supramolecular ligand and host for Cu(I)-catalyzed N-arylation of imidazole with aryl bromides. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 9121-4	4.2	80
127	Simple and efficient reduction of nitroarenes by hydrazine in faujasite zeolites. <i>Applied Catalysis A: General</i> , <b>2004</b> , 265, 135-139	5.1	78
126	Aerobic homocoupling of arylboronic acids catalysed by copper terephthalate metal-organic frameworks. <i>Green Chemistry</i> , <b>2014</b> , 16, 2865	10	74
125	One-Pot Multicomponent Solvent-Free Synthesis of 2-Amino-4H-benzo[b]pyrans Catalyzed by Per-6-amino- $\beta$ -cyclodextrin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2013</b> , 1, 174-179	8.3	73
124	Remarkable Product Selectivity During Photo-Fries and Photo-Claisen Rearrangements within Zeolites. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 9428-9429	16.4	72
123	Clay entrapped nickel nanoparticles as efficient and recyclable catalysts for hydrogenation of olefins. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 1818-1823	2	71
122	Clay-anchored non-heme iron-balen complex catalyzed cleavage of CC bond in aqueous medium. <i>Tetrahedron</i> , <b>2006</b> , 62, 9911-9918	2.4	70
121	Copper(I)-catalyzed three component reaction of sulfonyl azide, alkyne, and nitrene cycloaddition/rearrangement cascades: a novel one-step synthesis of imidazolidin-4-ones. <i>Organic Letters</i> , <b>2011</b> , 13, 5728-31	6.2	63
120	Per-6-amino- $\beta$ -cyclodextrin as a reusable promoter and chiral host for enantioselective Henry reaction. <i>Organic Letters</i> , <b>2010</b> , 12, 4070-3	6.2	62

119	Per-6-amino- $\beta$ -cyclodextrin as a chiral base catalyst promoting one-pot asymmetric synthesis of 2-aryl-2,3-dihydro-4-quinolones. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 744-51	4.2	60
118	Per-6-amino- $\beta$ -cyclodextrin catalyzed asymmetric Michael addition of nitromethane and thiols to chalcones in water. <i>Tetrahedron: Asymmetry</i> , <b>2008</b> , 19, 2037-2044		60
117	Clay-supported ceric ammonium nitrate as an effective, viable catalyst in the oxidation of olefins, chalcones and sulfides by molecular oxygen. <i>Catalysis Communications</i> , <b>2009</b> , 10, 872-878	3.2	59
116	An acyclic, dansyl based colorimetric and fluorescent chemosensor for Hg(II) via twisted intramolecular charge transfer (TICT). <i>Analytica Chimica Acta</i> , <b>2012</b> , 751, 171-5	6.6	58
115	Naked-eye detection of Fe <sup>3+</sup> and Ru <sup>3+</sup> in water: Colorimetric and ratiometric sensor based on per-6-amino- $\beta$ -cyclodextrin/p-nitrophenol. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 146, 273-277	8.5	58
114	Triazine-based mesoporous covalent imine polymers as solid supports for copper-mediated Chan-Lam cross-coupling N-arylation reactions. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8761-70	4.8	54
113	One-Pot Synthesis of Propargylamines Using Ag(I)-Exchanged K10 Montmorillonite Clay as Reusable Catalyst in Water. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 781-787	8.3	54
112	Toxicity and immunological activity of silver nanoparticles. <i>Applied Clay Science</i> , <b>2010</b> , 48, 547-551	5.2	50
111	A multicomponent, solvent-free, one-pot synthesis of benzoxanthenones catalyzed by HY zeolite: their anti-microbial and cell imaging studies. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 1018-1024	2	43
110	Zeolite-mediated regioselective nitration of phenol in solid state. <i>Journal of Molecular Catalysis A</i> , <b>2002</b> , 185, 305-309		43
109	Alginate stabilized silver nanocube-Rh6G composite as a highly selective mercury sensor in aqueous solution. <i>Nanoscale</i> , <b>2011</b> , 3, 1166-70	7.7	41
108	L-Proline anchored hydrotalcite clays: An efficient catalyst for asymmetric Michael addition. <i>Applied Catalysis A: General</i> , <b>2008</b> , 340, 25-32	5.1	41
107	Clay encapsulated ZnO nanoparticles as efficient catalysts for N-benylation of amines. <i>Catalysis Communications</i> , <b>2011</b> , 16, 15-19	3.2	39
106	Palladium nanoparticles embedded on thiourea-modified chitosan: a green and sustainable heterogeneous catalyst for the Suzuki reaction in water. <i>RSC Advances</i> , <b>2015</b> , 5, 27533-27539	3.7	38
105	Selective Turn-off Fluorescent sensing of mercury ions using aminocyclodextrin:3-hydroxy-N-phenyl-2-naphthamide complex in aqueous solution. <i>RSC Advances</i> , <b>2014</b> , 4, 11714	3.7	38
104	Selective Reduction of Nitroarenes by using Zeolite-Supported Copper Nanoparticles with 2-Propanol as a Sustainable Reducing Agent. <i>ChemCatChem</i> , <b>2012</b> , 4, 1917-1921	5.2	38
103	Asymmetrically modified zeolite as a medium for enantioselective photoreactions: Reactions from spin forbidden excited states. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 8825-8828	2	38
102	Activation Conditions Play a Key Role in the Activity of Zeolite CaY: NMR and Product Studies of Brønsted Acidity. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 5627-5638	2.8	38

101	Fabrication of Pd Nanoparticles Embedded C@Fe <sub>3</sub> O <sub>4</sub> Core-Shell Hybrid Nanospheres: An Efficient Catalyst for Cyanation in Aryl Halides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 22907-17	9.5	37
100	Highly selective "turn-on" fluorescent and colorimetric sensing of fluoride ion using 2-(2-hydroxyphenyl)-2,3-dihydroquinolin-4(1H)-one based on excited-state proton transfer. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 146-52	4.5	37
99	A highly selective ratiometric fluorescent chemosensor for Cu(II) based on dansyl-functionalized thiol stabilized silver nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 1962-1967	7.3	37
98	Transfer hydrogenation of carbonyl compounds and carbon-carbon multiple bonds by zeolite supported Cu nanoparticles. <i>Catalysis Science and Technology</i> , <b>2012</b> , 2, 296-300	5.5	37
97	The aminocyclodextrin/Pd(OAc) <sub>2</sub> complex as an efficient catalyst for the Mizoroki-Heck cross-coupling reaction. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 14425-31	4.8	36
96	Per-6-ammonium- $\beta$ -cyclodextrin/p-nitrophenol complex as a colorimetric sensor for phosphate and pyrophosphate anions in water. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 155, 909-914	8.5	36
95	A pyridinium modified $\beta$ -cyclodextrin: an ionic supramolecular ligand for palladium acetate in C-C coupling reactions in water. <i>Green Chemistry</i> , <b>2016</b> , 18, 5518-5528	10	36
94	An intramolecular charge transfer (ICT) based chemosensor for silver ion using 4-methoxy-N-((thiophen-2-yl)methyl)benzenamine. <i>Analyst, The</i> , <b>2012</b> , 137, 5320-4	5	35
93	Layered double hydroxide-supported L-methionine-catalyzed chemoselective O-methylation of phenols and esterification of carboxylic acids with dimethyl carbonate: a "green" protocol. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1128-32	4.8	34
92	An efficient hydration of nitriles to amides in aqueous media by hydrotalcite-clay supported nickel nanoparticles. <i>Catalysis Communications</i> , <b>2012</b> , 29, 109-113	3.2	33
91	Oxidative hydroxylation of arylboronic acids to phenols catalyzed by copper nanoparticles ellagic acid composite. <i>Journal of Molecular Catalysis A</i> , <b>2014</b> , 395, 500-505		31
90	Highly selective fluorescent sensing of fenitrothion using per-6-amino- $\beta$ -cyclodextrin:Eu(III) complex. <i>Biosensors and Bioelectronics</i> , <b>2012</b> , 35, 452-455	11.8	31
89	Facile clay-induced Fischer indole synthesis: A new approach to synthesis of 1,2,3,4-tetrahydrocarbazole and indoles. <i>Applied Catalysis A: General</i> , <b>2005</b> , 292, 305-311	5.1	31
88	Plumbagin as colorimetric and ratiometric sensor for arginine. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 521-527	8.5	30
87	Design and one-pot synthesis of a novel pyrene based fluorescent sensor for selective "turn on" naked eye detection of Ni <sup>2+</sup> ions, and live cell imaging. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 266, 429-437	8.5	30
86	Copper-Based Metal-Organic Frameworks as Reusable Heterogeneous Catalysts for the One-Pot Syntheses of Imidazo[1,2-a]pyridines. <i>Asian Journal of Organic Chemistry</i> , <b>2014</b> , 3, 784-791	3	30
85	Flavone modified- $\beta$ -cyclodextrin as a highly selective and efficient fluorescent chemosensor for Cu <sup>2+</sup> ions and L-histidine. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 188, 59-64	8.5	30
84	Effect of cyclodextrin encapsulation on photo-fries rearrangement of benzenesulphonanilide. <i>Tetrahedron Letters</i> , <b>1991</b> , 32, 2975-2978	2	30

83	Selective sensing of silver ion using berberine, a naturally occurring plant alkaloid. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 206, 170-175	8.5	29
82	One-pot synthesis of 2-substituted quinoxalines using K10-montmorillonite as heterogeneous catalyst. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 1616-1620	2	29
81	Reactions in clay media: photooxidation of sulfides by clay-bound methylene blue. <i>Tetrahedron</i> , <b>2001</b> , 57, 8391-8394	2.4	28
80	Copper(I)-Y Zeolite-Catalyzed Regio- and Stereoselective [2 + 2 + 2] Cyclotrimerization Cascade: An Atom- and Step-Economical Synthesis of Pyrimido[1,6-a]quinoline. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 10299-308	4.2	27
79	Copper(I)-Catalyzed [3+2] Cycloaddition/Ring-Opening Rearrangement/[4+2] Cycloaddition/Aromatization Cascade: An Unprecedented Chemo- and Stereoselective Three Component Coupling of Sulfonyl Azide, Alkyne and N-Arylidene-pyridin-2-amine to Pyrido[1,2-a]pyrimidin-4-imine. <i>Advanced Synthesis and Catalysis</i> , <b>2013</b> , 355, 93-98	5.6	26
78	Per-6-amino- $\beta$ -cyclodextrin/CuI catalysed cyanation of aryl halides with K <sub>4</sub> [Fe(CN) <sub>6</sub> ]. <i>New Journal of Chemistry</i> , <b>2012</b> , 36, 2334	3.6	26
77	Simple, solvent free syntheses of unsymmetrical sulfides from thiols and alkyl halides using hydrotaclite clays. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 217, 117-120		26
76	Microwave promoted one-pot synthesis of 2-aryl substituted 1,3,4-oxadiazoles and 1,2,4-oxadiazole derivatives using Al <sup>3+</sup> -K10 clay as a heterogeneous catalyst. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 3678-3682	2	25
75	Solvent-Free Syntheses of 1,5-Benzodiazepines Using HY Zeolite as a Green Solid Acid Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1169-1176	8.3	25
74	Oxidation of organic sulfides with clay-supported iodosylbenzene as oxygen donor. <i>Tetrahedron</i> , <b>1997</b> , 53, 7635-7640	2.4	25
73	A highly selective, sensitive and turn-on fluorescent sensor for the paramagnetic Fe <sup>3+</sup> ion. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 230, 199-205	8.5	22
72	$\beta$ -Cyclodextrin included coumarin derivatives as selective fluorescent sensors for Cu <sup>2+</sup> ions in HeLa cells. <i>RSC Advances</i> , <b>2016</b> , 6, 20269-20275	3.7	22
71	Cascade synthesis of bis-N-sulfonylcyclobutenes via Cu(I)/Lewis acid-catalyzed (3 + 2)/(2 + 2) cycloadditions: observation of aggregation-induced emission enhancement from restricted C=N photoisomerization. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 2937-41	3.9	22
70	Selectivity in bromination of alkylbenzenes in the presence of montmorillonite clay. <i>Tetrahedron</i> , <b>1997</b> , 53, 2581-2584	2.4	22
69	Photoreactions in clay media: singlet oxygen oxidation of electron-rich substrates mediated by clay-bound dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2002</b> , 153, 205-210	4.7	22
68	Isolation of biochanin A, an isoflavone, and its selective sensing of copper(II) ion. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 221, 75-80	8.5	21
67	Amino acid intercalated layered double hydroxide catalyzed chemoselective methylation of phenols and thiophenols with dimethyl carbonate. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 7167-7170	2	21
66	Pyridinium ylide-assisted KY zeolite catalyzed tandem synthesis of polysubstituted cyclopropanes. <i>Catalysis Communications</i> , <b>2012</b> , 26, 39-43	3.2	21

65	Cubical Palladium Nanoparticles on C@Fe <sub>3</sub> O <sub>4</sub> for Nitro reduction, Suzuki-Miyaura Coupling and Sequential Reactions. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 423, 511-519		21
64	Michael addition of indoles to $\beta$ -nitrostyrenes catalyzed by HY zeolite under solvent-free conditions. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 2061-2064	2	20
63	A green route for the synthesis of 2-substituted benzoxazole derivatives catalyzed by Al <sup>3+</sup> -exchanged K10 clay. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 6415-6419	2	20
62	Dual emission from 4-dimethylaminobenzonitrile in cyclodextrin derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2000</b> , 131, 101-110	4-7	19
61	Photo-Fries reaction of naphthyl esters within zeolites. <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 6251-6254	2	19
60	Isolable C@Fe <sub>3</sub> O <sub>4</sub> nanospheres supported cubical Pd nanoparticles as reusable catalysts for Stille and Mizoroki-Heck coupling reactions. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 3276-3282	2	18
59	D-Glucose sensing by (E)-4-((pyren-1-ylmethylene)amino)phenyl boronic acid via a photoinduced electron transfer (PET) mechanism. <i>RSC Advances</i> , <b>2013</b> , 3, 11566	3-7	18
58	Synergistic photodynamic action of ZnO nanomaterials encapsulated meso-tetra (4-sulfonatophenyl) porphyrin. <i>Powder Technology</i> , <b>2013</b> , 237, 497-505	5-2	18
57	Selectivity in bromination of aniline and N-substituted anilines encapsulated in $\beta$ -cyclodextrin. <i>Tetrahedron</i> , <b>1996</b> , 52, 3487-3496	2-4	18
56	Ultrafine Bimetallic PdCo Alloy Nanoparticles on Hollow Carbon Capsules: An Efficient Heterogeneous Catalyst for Transfer Hydrogenation of Carbonyl Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 491-500	8-3	18
55	Mesoporous Microcapsules through d-Glucose Promoted Hydrothermal Self-Assembly of Colloidal Silica: Reusable Catalytic Containers for Palladium Catalyzed Hydrogenation Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 667-674	8-3	17
54	Fries rearrangement of esters in montmorillonite clays: Steric control on selectivity. <i>Tetrahedron</i> , <b>1997</b> , 53, 17171-17176	2-4	17
53	Copper(I)-Catalyzed One-Pot Synthesis of Highly Functionalized Pyrrolidines from Sulfonyl Azides, Alkynes, and Dimethyl 2-(Phenylamino)maleate. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 463-467	3-2	16
52	Synthesis of substituted isoquinolines via iminoalkyne cyclization using Ag(I) exchanged K10-montmorillonite clay as a reusable catalyst. <i>RSC Advances</i> , <b>2014</b> , 4, 38491	3-7	16
51	Regioselective monobromination of substituted phenols in the presence of $\beta$ -cyclodextrin. <i>Tetrahedron</i> , <b>2007</b> , 63, 4959-4967	2-4	16
50	Reductive quenching of excited states of chromium(III)-polypyridyl complexes with alkyl aryl sulphides. <i>Tetrahedron</i> , <b>1993</b> , 49, 4721-4740	2-4	16
49	Copper(I)-Y zeolite catalyzed N-sulfonylketenimine mediated annulation of hydroxynaphthoquinones: syntheses of naphtho[2,1-b]furan-2,5-diones and benzo[de]chromene-2,6-diones. <i>Chemical Communications</i> , <b>2016</b> , 52, 8436-9	5-8	15
48	Triphasic catalyst systems based on surfactant/clay composites. <i>Green Chemistry</i> , <b>1999</b> , 1, 95-97	10	15

47	Modification of chemical reactivity upon cyclodextrin encapsulation.: <i>Tetrahedron</i> , <b>1994</b> , 50, 7903-7912	2.4	15
46	Cation-exchanged montmorillonite clays as Lewis acid catalysts in the Fries rearrangement of phenyl toluene-p-sulphonate. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1990</b> , 1613		15
45	Autofluorescence in BrdU-positive cells and augmentation of regeneration kinetics by riboflavin. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 2071-83	4.4	14
44	Zeolite mediated protection of carbonyl groups. <i>Green Chemistry</i> , <b>1999</b> , 1, 173-174	10	14
43	Selectivity in sodium borohydride reduction of coumarin encapsulated in $\beta$ -cyclodextrin. <i>Tetrahedron</i> , <b>1994</b> , 50, 12979-12988	2.4	14
42	Naked eye sensing of melamine: aggregation induced recognition by sodium D-gluconate stabilised silver nanoparticles. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 3869-3874	3.6	13
41	Al-MCM-41 as a mild and ecofriendly catalyst for Michael addition of indole to $\alpha$ -unsaturated ketones. <i>Journal of Molecular Catalysis A</i> , <b>2012</b> , 363-364, 115-121		13
40	Triplet photochemistry within zeolites through heavy atom effect, sensitization and light atom effect. <i>Tetrahedron</i> , <b>2003</b> , 59, 5763-5772	2.4	12
39	Effect of cyclodextrin complexation on photo-Fries rearrangement of naphthyl esters. <i>Tetrahedron</i> , <b>1999</b> , 55, 9601-9610	2.4	12
38	Sheet silicate catalysed demethylation and Fischer-Hepp rearrangement of N-methyl-N-nitrosoaniline. <i>Journal of Molecular Catalysis A</i> , <b>1997</b> , 118, 189-193		11
37	Photoinduced reduction of aryl methyl sulfones on titanium dioxide. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 1473		11
36	A Ratiometric Tetrazolylpyridine-Based Turn-On Fluorescent Chemosensor for Zinc(II) Ion in Aqueous Media. <i>ChemPlusChem</i> , <b>2014</b> , 79, 1361-1366	2.8	10
35	A Clean Clay Catalysed Synthesis of $\beta$ -N-Diarylnitrones. <i>Synthetic Communications</i> , <b>1997</b> , 27, 4041-4047	1.7	10
34	Utility of Zeolitic Medium in Photo-Fries and Photo-Claisen Rearrangements#. <i>Research on Chemical Intermediates</i> , <b>1999</b> , 25, 623-631	2.8	10
33	Triplet energy transfer between organic molecules trapped in zeolites. <i>Chemical Communications</i> , <b>1996</b> , 2049-2050	5.8	10
32	Water-Soluble Palladium Complex of N <sup>2</sup> -(pyridin-2-yl)propane-1,3-diamine modified $\beta$ -Cyclodextrin: An efficient Catalyst for Transfer Hydrogenation of Carbonyl Compounds. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 16130-16138	8.3	10
31	Influence of cations in faujasite zeolites in cis-trans isomerization of 4-bromophenyl styryl sulfone. <i>Tetrahedron</i> , <b>1998</b> , 54, 15667-15672	2.4	9
30	Effect of cyclodextrin complexation in bromine addition to unsymmetrical olefins: evidence for participation of cyclodextrin hydroxyl groups. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 1008-12	3.9	9

29	Zeolite-promoted selective mono-N-methylation of aniline with dimethyl carbonate. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 218, 196-201		9
28	Heterogenization of cobalt nanoparticles on hollow carbon capsules: Lab-in-capsule for catalytic transfer hydrogenation of carbonyl compounds. <i>Molecular Catalysis</i> , <b>2018</b> , 448, 153-161	3.3	8
27	An Expeditious Synthesis of Flavonols Promoted by Montmorillonite KSF Clay and Assisted by Microwave Irradiation under Solvent-Free Conditions. <i>Helvetica Chimica Acta</i> , <b>2013</b> , 96, 1269-1272	2	8
26	The catalytic influence of clays on Bamberger rearrangement: unexpected formation of p-nitrosodiphenyl amine from N-phenylhydroxylamine. <i>Catalysis Letters</i> , <b>1998</b> , 54, 165-167	2.8	8
25	Novel approaches towards the generation of excited triplets of organic guest molecules with zeolites. <i>Chemical Communications</i> , <b>1998</b> , 1197-1198	5.8	8
24	Zeolite Encapsulated Nanocrystalline CuO: A Redox Catalyst for the Oxidation of Secondary Alcohols. <i>Journal of Nanomaterials</i> , <b>2008</b> , 2008, 1-7	3.2	8
23	Photodimerisation of enones in a clay microenvironment. <i>Photochemical and Photobiological Sciences</i> , <b>2002</b> , 1, 991-5	4.2	8
22	$\beta$ Cyclodextrin Monosulphonic Acid Promoted Multicomponent Synthesis of 1,8-Dioxodecahydroacridines in Water. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10886-10891	1.8	8
21	Synthesis of 2-substituted 3-ethyl-3H-imidazo[4,5-b]pyridines catalyzed by Al <sup>3+</sup> -exchanged K10 clay as solid acids. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 6479-6484	2	7
20	A novel photorearrangement of benzyl phenyl sulfone encapsulated in $\beta$ Cyclodextrin. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 1149-1152	2	7
19	Electron Transfer Reactions within Zeolites: Radical Cation from Benzonorbornadiene. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 8152-8153	16.4	7
18	Synthesis of 5-benzyl-4-aryl-octahydro-1H-benzo[b][1,5]diazepin-2-ones as potent antidepressant and antimicrobial agents. <i>Medicinal Chemistry Research</i> , <b>2014</b> , 23, 2070-2079	2.2	6
17	Novel photohydration of trans-stilbenes and trans-anethole inside cyclodextrin nanocavity in aqueous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2009</b> , 206, 40-45	4.7	6
16	Photodimerisation of acenaphthylene in a clay microenvironment. <i>Photochemical and Photobiological Sciences</i> , <b>2003</b> , 2, 95-7	4.2	6
15	Influence of Cyclodextrin Encapsulation on Norrish Type II Photoreaction of Valerophenone. <i>Bulletin of the Chemical Society of Japan</i> , <b>2005</b> , 78, 2000-2006	5.1	6
14	Chemical constituents from the flowering buds of <i>Bauhinia tomentosa</i> Linn (FBBT). <i>Natural Product Research</i> , <b>2016</b> , 30, 1670-4	2.3	5
13	Synthesis and antimicrobial activities of highly functionalised novel $\beta$ -lactam and thiazolidine-grafted tetrahydrobenzothiophenes. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 2964-2974	2.2	5
12	$\beta$ Cyclodextrin-Mediated Acetic Acid Catalyzed Diastereoselective Mannich Reaction in Water. <i>Synlett</i> , <b>2012</b> , 23, 2328-2332	2.2	5



11	Acceleration of Thiol Ester Hydrolysis by Cyclodextrins: Evidence from Rate and Computational Studies. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 1034-1042	3.2	5
10	Chemistry in Confinement: Copper and Palladium Catalyzed Ecofriendly Organic Transformations within Porous Frameworks. <i>Chemical Record</i> , <b>2018</b> , 18, 506-526	6.6	4
9	Isoxazoles incorporated N-substituted decahydroquinolines: a precursor to the next generation antimicrobial drug. <i>European Journal of Medicinal Chemistry</i> , <b>2012</b> , 47, 608-14	6.8	4
8	Design and synthesis of 3,5-diarylpiperidin-2,6-diones as anticonvulsant agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 1263-6	2.9	4
7	Selectivity in photolysis of benzyl acetate and benzyl hexanoate upon cyclodextrin complexation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2006</b> , 184, 34-43	4.7	4
6	Cation to anion triplet-triplet energy transfer in crystalline organic salts. <i>Tetrahedron Letters</i> , <b>1996</b> , 37, 6037-6040	2	4
5	Triaminopyrimidine Based Porous Organic Polymers: Synthesis, Characterization and Catalytic Applications in One-pot Room Temperature Synthesis of Dihydropyranopyranes. <i>ChemistrySelect</i> , <b>2018</b> , 3, 13743-13750	1.8	4
4	Synthesis, Characterization, and DNA Binding Studies of Nanoplumbagin. <i>Journal of Nanomaterials</i> , <b>2014</b> , 2014, 1-9	3.2	3
3	βCyclodextrin-Monosulphonic Acid Catalyzed Efficient Synthesis of 1-Amidoalkyl-2-naphthols. <i>ChemistrySelect</i> , <b>2017</b> , 2, 10798-10803	1.8	2
2	Cavity size effect on ICT-dual emission of p-(N,N-dimethylamino)-2-styrylquinoline: complexation with cyclodextrin derivatives. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2007</b> , 57, 403-408		1
1	Quinolinium modified βcyclodextrin: An ionic ligand towards sustainable A3-coupling and tandem cyclisation reactions of aldehydes, amines and alkynes. <i>Molecular Catalysis</i> , <b>2022</b> , 519, 112151	3.3	0