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(PUBLISHED AND ACCEPTED ONLY) IN JOURNALS

Total : 65 (National : 03 and International: 62)

1. A green protocol for ligand, copper and base free Sonogashira cross-coupling reaction.
   Dewan, A.; Thakur, A. J. & Bora, U.
   Tetrahedron Letters, 2016, 57 (33), 3760-3763.
   DOI: 10.1016/j.tetlet.2016.07.021

2. Suzuki-Miyaura Cross-Coupling in Aqueous Medium Using Recyclable Palladium/Amide-Silica Catalyst
   Catalysis Letters, 2016 (Accepted)

3. An improved Suzuki-Miyaura cross-coupling reaction with the aid of in-situ generated Pd NPs: Evidence
   for enhancing effect with biphasic system
   Mahanta, A.; Thakur, A. J. & Bora, U.
   Tetrahedron Letters, 2016, 57(8), 3091-3095.
   DOI:org/10.1016/j.tetlet.2016.05.098

4. Analysis of water extract of waste papaya bark ash and its implications as in situ base in ligandless
   recyclable Suzuki-Miyaura coupling reaction
   Sarma, M.; Dewan, A.; Mondal, M.; Bora, U. & Thakur, A. J.
   RSC Advances, 2016, 6(34), 28981-28985.
   DOI:10.1039/C6RA00454G

5. Starch assisted Palladium(0) nanoparticles as in situ generated catalysts for room temperature Suzuki-
   Miyaura reaction in pure water
   Dewan, A.; Bharali, P.; Bora, U. & Thakur, A. J.
   RSC Advances, 2016, 6, 11758-11762.
   DOI:10.1039/c5ra22349k

6. Sulfonated carbon as a new, reusable heterogeneous catalyst for one-pot synthesis of acetone soluble
   cellulose acetate
   Konwar, L. J.; Mäki-Arvela, P.; Thakur, A. J.; Kumar, N. & Mikkola, J. P.
   RSC Advances, 2016, 6 (11), 8829-8837.
   DOI:10.1039/C5RA25716F

7. Urea as mild and efficient additive for palladium catalyzed Sonogashira cross coupling reaction
   Sarmah, M.; Dewan, A.; Thakur, A. J. & Bora, U.
   Tetrahedron Letters, 2016, 57(8), 914-916.
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8. A one pot, two-step synthesis of 5- ary/pyrrolo[2,3-d]pyrimidines and screening of their preliminary
   antibacterial properties
Saikia, L.; Roudragouda, P. & Thakur, A. J.
*Bioorganic and Medicinal Chemistry Letters, 2016, 16*, 992-998.
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9. A convenient ‘NOSE’ approach for the synthesis of 6-Amino-1,3-dimethyl-5-indolyl-1H-pyrimidine-2,4-
dione derivatives catalyzed by nano-Ag
Das, V. K.; Bharali, P.; Konwar, B. K.; Mikkola, J-P.; Shchukarev, A. & Thakur, A. J.
DOI: 10.1039/C5NJ02013

10. In water homocoupling of arylboronic acid using nano-rod shaped and reusable copper oxide(II) catalyst at room temperature
Raul, P. K.; Mahanta, A.; Bora, U., Thakur, A. J. & Veer, V.
DOI: dx.doi.org/10.1016/j.tetlet.2015.11.004

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12. Shape selectivity and acidity effects in glycerol acetylation with acetic anhydride: Selective synthesis of triacetin over Y-Zeolite and sulfonated mesoporous carbons
Konwar, L. J.; Mäki-Arvela, P.; Begum, P.; Kumar, N.; Thakur, A. J.; Mikkola, J-P.; Deka, R. C. & Deka, D.
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*Applied Catalysis B: Environmental, 2015*, 176, 20-35.
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14. Biosilica as an efficient heterogeneous catalyst for ipso-hydroxylation of arylboronic acids
Mahanta, A.; Adhikari, P.; Bora, U. & Thakur, A. J.
DOI:10.1016/j.tetlet.2015.02.039

15. Copper nanoparticles decorated Organically Modified Montmorillonite (OMMT): An efficient catalyst for the N-arylation of indoles and similar heterocycles
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16. CuO Nanorods: A potential and efficient adsorbent in water purification
*RSC Advances, 2014*, 4, 40580-40587.
DOI: 10.1039/C4RA04619F

17. Antioxidative, hemocompatible, fluorescent carbonnanodots from an ‘End-of-Pipe’ agricultural waste: Exploring its new horizon in food packaging domain
Purkayastha, M. D.; Manhar, A. K.; Das, V. K.; Borah, A.; Mandal, M.; Thakur, A. J. & Mahanta, C. L.
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18. Ba doped CaO derived from waste shells of T striatula (TS-CaO) as heterogeneous catalyst for
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| 19.  | A convenient synthesis of novel 5-aryl-pyrido[2,3-d]pyrimidines and screening of their preliminary antibacterial properties  
Saikia, L.; Das, B.; Bharali, P. & Thakur, A. J.  
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| 20.  | Greener oxidation of aldehydes over bio-silica supported Fe$_2$O$_3$ nanoparticles: A convenient ‘NOSE’ approach  
Das, V. K. & Thakur, A. J.  
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| 21.  | Removal of iron and arsenic (III) from drinking water using iron oxide coated sand and limestone  
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| 22.  | Iron oxide hydroxide nanoflower assisted removal of arsenic from water  
| 23.  | KI-VO(acac)$_2$-H$_2$O$_2$-AcOH as a new iodinating system, selective iodination at C-5 position of activated Pyrimidinediones: A combined experimental and density functional study  
DOI: 10.1002/jhet |
| 24.  | Biodiesel production from acid oils using sulfonated carbon catalyst derived from oil-cake waste  
Konwar, L. J.; Das, R.; Mäki-Arvela, P.; Thakur, A. J.; Kumar, N.; Mikkola, J-P. & Deka, D.  
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| 25.  | Organic reactions in ‘Green surfactant’: An avenue to Bisuracil derivative  
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| 26.  | Highly active nano-MgO catalyzed mild and efficient synthesis of amidines via the electrophilic activation of amides  
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| 27.  | VO(acac)$_2$: An efficient catalyst for the oxidation of aldehydes to the corresponding acids in presence of |
aqueous H$_2$O$_2$
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29. Recyclable, highly efficient and low cost nano-MgO for amide synthesis under SFRC: A convenient and greener 'NOSE' approach
Das, V. K.; Devi, R. R. & Thakur, A. J.
*Applied Catalysis A: General, 2013,* 456, 118-125.
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30. An X-ray crystallographic study of C-5 and C-6 substituted 1,3-dimethyl-6-aminouracil architectures
Saikia, B. K.; Das, S.; Sridhar, B. & Thakur, A. J.
DOI: 10.1007/s10870-012-0305-x

31. Effects of L-ascorbic acid addition on micro-filtered coconut water: Preliminary quality prediction study using $^1$H-NMR, FT-IR and GC-MS
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Das, V. K.; Devi, R. R.; Raul, P. K. & Thakur, A. J.
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33. A review on solid oxide derived from waste shells as catalyst for biodiesel production
Boro, J.; Deka, D. & Thakur, A. J.
DOI:10.1016/j.rser.2011.09.011

34. A rapid, convenient, solventless green approach for the synthesis of oximes using grindstone chemistry
Saikia, L.; Baruah, J. M. & Thakur, A. J.
*Organic and Medicinal Chemistry Letters, 2011,* 1(10), 12-17.
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35. Solid oxide derived from waste shells of *Turbonilla striatula* as a renewable catalyst for biodiesel production
Boro, J.; Thakur, A. J. & Deka, D.
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(Nominated for ENI award, 2012)

36. Zirconyl Chloride: An efficient, water-tolerant and reusable catalyst for the synthesis of $N$-methylamides
37. Crude biosurfactant from thermophilic Alcaligenes faecalis: Feasibility in petro-spill bioremediation
Bharali, P.; Das, S.; Konwar, B. K. & Thakur, A. J.

38. A clean, highly efficient and one-pot green synthesis of Aryl/Alkyl/Heteroaryl bis(6-amino-1,3-dimethyluracil-5-yl)methanes in water
Das, S. & Thakur, A. J.
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39. Replay of amide type resonance in 6-[(Dimethylamino)methylene]1,3-dimethylaminouracil: A dynamic NMR and Density Functional Theory study
Thakur, A. J.; Das, S. & Phukan, A. K.
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40. Molecular Iodine in protection and deprotection chemistry
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41. Modification of rubber wood with styrene in combination with diethyl allyl phosphate as the flame retardant
Devi, R.; Saikia, C. N.; Thakur, A. J. & Maji, T. K.
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42. Regiospecific one-pot synthesis of Pyrimido[4,5-d]pyrimidine derivatives in the solid state under microwave irradiations
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44. A novel decyanogenative coupling of α-cyanoimines mediated by Samarium. A facile route to α-diketimines
Thakur, A. J.; Prajapati, D. & Sandhu, J. S.
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45. Potassium Triiodide a new and efficient catalyst for carbon-carbon bond formation in aqueous media
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46. Tris(trifluoromethanesulphonato)indium
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47. Studies on 6-[(Dimethylamino)methylene]aminouracils. A facile one-pot synthesis of novel Pyrimido-[4,5-d]pyrimidines and pyrido[2,3-d]pyrimidines
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   Barman, D. C.; Thakur, A. J.; Prajapati, D. & Sandhu, J. S.
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