

Fundamentals of green chemistry: efficiency in reaction

Chemical Society Reviews

41, 1437-1451

DOI: [10.1039/c1cs15219j](https://doi.org/10.1039/c1cs15219j)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Atom efficiency and catalysis in organic synthesis. Pure and Applied Chemistry, 2000, 72, 1233-1246.	0.9	706
2	Exploiting H-transfer reactions with RANEY [®] Ni for upgrade of phenolic and aromatic biorefinery feeds under unusual, low-severity conditions. Energy and Environmental Science, 2012, 5, 8244.	15.6	241
3	Towards Reaction Control: <i>cis</i> -Diastereoselective Reductive Dehydroxylation of 5-Alkyl-4-Benzyloxy-5-Hydroxy-2-Pyrrolidinones. Asian Journal of Organic Chemistry, 2012, 1, 359-365.	1.3	9
4	Cross-Linked Polymer-Supported <i>N</i> -[2-((Arylsulfonyl)amino)[1,1'-binaphthalen]-2-yl]prolinamide as Organocatalyst for the Direct Aldol Intermolecular Reaction under Solvent-Free Conditions. Helvetica Chimica Acta, 2012, 95, 1831-1841.	1.0	22
5	Evaluation of several catalytic systems for the epoxidation of methyl oleate using H ₂ O ₂ as oxidant. Catalysis Today, 2012, 195, 76-82.	2.2	20
6	Synthesis of poly(ethyl acrylate-co-allyl acrylates) from acrylate mixtures prepared by a continuous solvent-free enzymatic process. RSC Advances, 2012, 2, 9230.	1.7	11
7	Stereoselective intermolecular C-H amination reactions. Chemical Communications, 2012, 48, 7799.	2.2	70
8	Desymmetrisation of aromatic diamines and synthesis of non-symmetrical thiourea derivatives by click-mechanochemistry. Chemical Communications, 2012, 48, 9705.	2.2	76
9	A clean enzymatic process for producing flavour esters by direct esterification in switchable ionic liquid/solid phases. Green Chemistry, 2012, 14, 3026.	4.6	75
10	A cyclic process for full enzymatic saccharification of pretreated cellulose with full recovery and reuse of the ionic liquid 1-butyl-3-methylimidazolium chloride. Green Chemistry, 2012, 14, 2631.	4.6	49
11	Immobilization of Acetobacter sp. CCTCC M209061 for efficient asymmetric reduction of ketones and biocatalyst recycling. Microbial Cell Factories, 2012, 11, 119.	1.9	38
12	Palladium(II)-Catalyzed Direct Alkenylation of Nonaromatic Enamides. Organic Letters, 2012, 14, 3304-3307.	2.4	104
13	Mechanochemistry assisted asymmetric organocatalysis: A sustainable approach. Beilstein Journal of Organic Chemistry, 2012, 8, 2132-2141.	1.3	80
14	Well-defined alkylpalladium complexes with pyridine-carboxylate ligands as catalysts for the aerobic oxidation of alcohols. Dalton Transactions, 2012, 41, 14087.	1.6	20
15	Gold-catalyzed direct cycloketalization of acetonide-tethered alkynes in the presence of water. Tetrahedron, 2012, 68, 9391-9396.	1.0	20
16	Evolution of asymmetric organocatalysis: multi- and retrocatalysis. Green Chemistry, 2012, 14, 1821.	4.6	249
18	Catalytic Aerobic Synthesis of Aromatic Ethers from Non-Aromatic Precursors. Angewandte Chemie - International Edition, 2012, 51, 7537-7540.	7.2	110
19	Organocatalytic Asymmetric Oxidations with Hydrogen Peroxide and Molecular Oxygen. ChemCatChem, 2012, 4, 901-916.	1.8	49

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21	Water mediated Heck and Ullmann couplings by supported palladium nanoparticles: importance of surface polarity of the carbon spheres. <i>Green Chemistry</i> , 2012, 14, 2513.	4.6	91
22	Copper(II) immobilized on silica extracted from foxtail millet husk: a heterogeneous catalyst for the oxidation of tertiary amines under ambient conditions. <i>Journal of Porous Materials</i> , 2013, 20, 417-430.	1.3	15
23	H ₃ PO ₄ /metal halide induces a one-pot solvent-free esterification-halogenation of glycerol and diols. <i>RSC Advances</i> , 2013, 3, 8805.	1.7	4
24	A palladium complex with functionalized β -cyclodextrin: a promising catalyst featuring recognition abilities for Suzuki-Miyaura coupling reactions in water. <i>Green Chemistry</i> , 2013, 15, 2081.	4.6	64
25	Stereoselective Nickel-Catalyzed [2+2+2] Cycloadditions and Alkenylative Cyclizations of Ene-Allenes and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8424-8427.	7.2	31
26	The dual role of ionic liquid BmimBF ₄ , precursor of N-heterocyclic carbene and solvent, in the oxidative esterification of aldehydes. <i>Tetrahedron</i> , 2013, 69, 8088-8095.	1.0	26
28	Lysine/imidazole-catalyzed Multicomponent Cascade Reaction: Facile Synthesis of C ₅ -substituted 3-Methylcyclohex-2-enones. <i>Chinese Journal of Chemistry</i> , 2013, 31, 997-1002.	2.6	8
29	Atom Economical, One-Pot, Three-Reaction Cascade to Novel Tricyclic 2,4-Dihydro-1H-benzo[f]isochromenes. <i>Organic Letters</i> , 2013, 15, 4070-4073.	2.4	18
30	Biocatalysis in Organic Chemistry and Biotechnology: Past, Present, and Future. <i>Journal of the American Chemical Society</i> , 2013, 135, 12480-12496.	6.6	646
31	Nitroxide-catalyzed transition-metal-free aerobic oxidation processes. <i>Green Chemistry</i> , 2013, 15, 3116.	4.6	284
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34	Thiazolium-functionalized polystyrene monolithic microreactors for continuous-flow umpolung catalysis. <i>Green Chemistry</i> , 2013, 15, 2981.	4.6	33
37	On Water, Phosphine-Free Palladium-Catalyzed Room Temperature C-H Arylation of Indoles. <i>Chemistry - A European Journal</i> , 2013, 19, 15093-15096.	1.7	82
38	Promising Unconventional Pretreatments for Lignocellulosic Biomass. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 2140-2211.	6.6	25
39	Photocatalysis by 3,6-Disubstituted-s-Tetrazine: Visible-Light Driven Metal-Free Green Synthesis of 2-Substituted Benzimidazole and Benzothiazole. <i>Journal of Organic Chemistry</i> , 2013, 78, 11184-11193.	1.7	110
40	A comparative study of ultrasound-, microwave-, and microreactor-assisted imidazolium-based ionic liquid synthesis. <i>Green Processing and Synthesis</i> , 2013, 2, 579-590.	1.3	36
41	Multiphase biotransformations in microstructured reactors: opportunities for biocatalytic process intensification and smart flow processing. <i>Green Processing and Synthesis</i> , 2013, 2, 541-559.	1.3	43

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42	A convenient synthesis of bisamides with BF ₃ etherate as catalyst. <i>Tetrahedron</i> , 2013, 69, 11080-11083.	1.0	15
43	Green chemistry in Brazil. <i>Pure and Applied Chemistry</i> , 2013, 85, 1643-1653.	0.9	18
44	Target-oriented analysis of gaseous, liquid and solid chemical systems by mass spectrometry, nuclear magnetic resonance spectroscopy and electron microscopy. <i>Russian Chemical Reviews</i> , 2013, 82, 648-685.	2.5	206
45	Calculation of optimal gas retention time using a logarithmic equation applied to a bio-trickling filter reactor for formaldehyde removal from synthetic contaminated air. <i>RSC Advances</i> , 2013, 3, 5100.	1.7	21
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51	Strategy of cross-linked enzyme aggregates onto magnetic particles adapted to the green design of biocatalytic synthesis of glycerol carbonate. <i>RSC Advances</i> , 2013, 3, 4052.	1.7	48
52	Electrogenerated N-Heterocyclic Carbenes in the Room Temperature Parent Ionic Liquid as an Efficient Medium for Transesterification/Acylation Reactions. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 326-331.	1.2	29
53	Expanding the toolbox for enantioselective sulfide oxidations: <i>Streptomyces</i> strains as biocatalysts. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 399-402.	1.5	8
54	Two alternative routes for 1,2-cyclohexanediol synthesis by means of green processes: Cyclohexene dihydroxylation and catechol hydrogenation. <i>Applied Catalysis A: General</i> , 2013, 466, 21-31.	2.2	24
55	Coupling biocatalysis and click chemistry: one-pot two-step convergent synthesis of enantioenriched 1,2,3-triazole-derived diols. <i>Chemical Communications</i> , 2013, 49, 2625-2627.	2.2	51
56	Shine a light on immobilized enzymes: real-time sensing in solid supported biocatalysts. <i>Trends in Biotechnology</i> , 2013, 31, 194-203.	4.9	51
57	Microwave-assisted organocatalytic cross-aldol condensation of aldehydes. <i>RSC Advances</i> , 2013, 3, 4496.	1.7	25
58	Hydrogenation of levulinic acid to Î³-valerolactone using ruthenium nanoparticles. <i>Inorganica Chimica Acta</i> , 2013, 397, 124-128.	1.2	80
59	Constructing manmade enzymes for oxygen activation. <i>Dalton Transactions</i> , 2013, 42, 3136-3150.	1.6	22

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61	Chemoselective Oxidation of Secondary Alcohols Using a Ruthenium Phenylindenyl Complex. <i>Organometallics</i> , 2013, 32, 660-664.	1.1	38
62	Iridium(I) Hydroxides: Powerful Synthons for Bond Activation. <i>Chemistry - A European Journal</i> , 2013, 19, 7904-7916.	1.7	38
63	Reactions of hydrophobic organic nanoparticle mixtures in water: nanoparticle-on-nanoparticle oxidative dye bleaching. <i>Green Chemistry</i> , 2013, 15, 1590.	4.6	3
64	Taming furfuryl cations for the synthesis of privileged structures and novel scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4299.	1.5	21
65	Utilization of carbon disulfide as a powerful building block for the synthesis of 2-aminobenzoxazoles. <i>RSC Advances</i> , 2013, 3, 9875.	1.7	17
66	Ionic Liquid Effect over the Biginelli Reaction under Homogeneous and Heterogeneous Catalysis. <i>ACS Catalysis</i> , 2013, 3, 1420-1430.	5.5	81
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71	Study on Industrial Metabolism of Carbon in a Chinese Fine Chemical Industrial Park. <i>Environmental Science & Technology</i> , 2013, 47, 1048-1056.	4.6	39
72	Organocatalytic conversion of cellulose into a platform chemical. <i>Chemical Science</i> , 2013, 4, 196-199.	3.7	73
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85	Environmentally-Friendly Designs and Syntheses of Metal-Organic Frameworks (MOFs). <i>ACS Symposium Series</i> , 2014, , 161-183.	0.5	12
86	Green metrics analysis applied to the simultaneous liquid-phase etherification of isobutene and isoamylenes with ethanol over Amberlyst [®] , [®] 35. <i>Green Processing and Synthesis</i> , 2014, 3, .	1.3	1
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89	Immobilized <i>Drosophila melanogaster</i> Deoxyribonucleoside Kinase (<i>Dm</i> dNK) as a High Performing Biocatalyst for the Synthesis of Purine Arabinonucleotides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 563-570.	2.1	26
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95	Regiospecific strategies for the synthesis of novel dihydropyrimidinones and pyrimidopyridazines catalyzed by molybdate sulfuric acid. <i>Tetrahedron Letters</i> , 2014, 55, 3581-3584.	0.7	17
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102	Structural evaluation of an alternative Protein A biomimetic ligand for antibody purification. <i>Journal of Computer-Aided Molecular Design</i> , 2014, 28, 25-34.	1.3	13
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105	Ionic liquid-based green processes for energy production. <i>Chemical Society Reviews</i> , 2014, 43, 7838-7869.	18.7	399
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114	Hypervalent Iodine Mediated Synthesis of C-2 Deoxy Glycosides and Amino Acid Glycoconjugates. <i>Journal of Organic Chemistry</i> , 2014, 79, 4470-4476.	1.7	17
115	Top Chemical Opportunities from Carbohydrate Biomass: A Chemist's View of the Biorefinery. <i>Topics in Current Chemistry</i> , 2014, 353, 1-40.	4.0	125
116	Indigo dye production by enzymatic mimicking based on an iron(III)porphyrin. <i>Journal of Catalysis</i> , 2014, 315, 33-40.	3.1	42
117	Laccase-catalyzed synthesis of catechol thioethers by reaction of catechols with thiols using air as an oxidant. <i>Green Chemistry</i> , 2014, 16, 90-95.	4.6	62

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