

Mohammad G Dekamin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

1,874
citations

24
h-index

39
g-index

116
ext. papers

2,280
ext. citations

3.7
avg, IF

5.44
L-index

#	Paper	IF	Citations
81	Potassium phthalimide-N-oxyl: a novel, efficient, and simple organocatalyst for the one-pot three-component synthesis of various 2-amino-4H-chromene derivatives in water. <i>Tetrahedron</i> , 2013 , 69, 1074-1085	2.4	211
80	Chitosan: a highly efficient renewable and recoverable bio-polymer catalyst for the expeditious synthesis of amino nitriles and imines under mild conditions. <i>Green Chemistry</i> , 2013 , 15, 811	10	177
79	Highly efficient organocatalytic synthesis of diverse and densely functionalized 2-amino-3-cyano-4H-pyrans under mechanochemical ball milling. <i>Green Chemistry</i> , 2014 , 16, 4914-4921	10	102
78	Highly efficient and convenient Strecker reaction of carbonyl compounds and amines with TMSCN catalyzed by MCM-41 anchored sulfonic acid as a recoverable catalyst. <i>Tetrahedron</i> , 2012 , 68, 922-930	2.4	82
77	Alginate: a highly efficient renewable and heterogeneous biopolymeric catalyst for one-pot synthesis of the Hantzsch 1,4-dihydropyridines. <i>RSC Advances</i> , 2014 , 4, 56658-56664	3.7	54
76	Sodium alginate: An efficient biopolymeric catalyst for green synthesis of 2-amino-4H-pyran derivatives. <i>International Journal of Biological Macromolecules</i> , 2016 , 87, 172-9	7.9	53
75	Kneading ball-milling and stoichiometric melts for the quantitative derivatization of carbonyl compounds with gas-solid recovery. <i>ChemSusChem</i> , 2009 , 2, 248-54	8.3	53
74	An expeditious synthesis of cyanohydrin trimethylsilyl ethers using tetraethylammonium 2-(carbamoyl)benzoate as a bifunctional organocatalyst. <i>Tetrahedron Letters</i> , 2009 , 50, 4063-4066	2	44
73	Sodium Tetraalkoxyborates: Intermediates for the Quantitative Reduction of Aldehydes and Ketones to Alcohols through Ball Milling with NaBH ₄ . <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 3567-3572	3.2	42
72	Nano-ordered B-MCM-41: An efficient and recoverable solid acid catalyst for three-component Strecker reaction of carbonyl compounds, amines and TMSCN. <i>Scientia Iranica</i> , 2011 , 18, 1356-1364	1.5	33
71	Alginate: A mild and renewable bifunctional heterogeneous biopolymeric organocatalyst for efficient and facile synthesis of polyhydroquinolines. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 1273-1280	7.9	33
70	Phthalimide-N-oxyl salts: efficient organocatalysts for facile synthesis of (Z)-3-methyl-4-(arylmethylene)-isoxazole-5(4H)-one derivatives in water. <i>Monatshefte für Chemie</i> , 2016 , 147, 445-450	1.4	31
69	Isocyanurate-based periodic mesoporous organosilica (PMO-ICS): a highly efficient and recoverable nanocatalyst for the one-pot synthesis of substituted imidazoles and benzimidazoles. <i>RSC Advances</i> , 2016 , 6, 86982-86988	3.7	31
68	Tetraethylammonium 2-(N-hydroxycarbamoyl)benzoate: a powerful bifunctional metal-free catalyst for efficient and rapid cyanosilylation of carbonyl compounds under mild conditions. <i>Catalysis Science and Technology</i> , 2012 , 2, 1375	5.5	30
67	Chitosan: An efficient biomacromolecule support for synergic catalyzing of Hantzsch esters by CuSO ₄ . <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 767-774	7.9	30
66	Propylsulfonic acid-anchored isocyanurate-based periodic mesoporous organosilica (PMO-ICS-Pr-SOH): A new and highly efficient recoverable nanoporous catalyst for the one-pot synthesis of bis(indolyl)methane derivatives. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 956-963	9.3	29
65	Life cycle assessment for rainbow trout (<i>Oncorhynchus mykiss</i>) production systems: a case study for Iran. <i>Journal of Cleaner Production</i> , 2015 , 91, 43-55	10.3	28

64	Thia-Fries rearrangement of aryl sulfonates in dry media under microwave activation. <i>Tetrahedron Letters</i> , 2000 , 41, 3479-3481	2	28
63	MCM-41 mesoporous silica: a highly efficient and recoverable catalyst for rapid synthesis of α -aminonitriles and imines. <i>Green Chemistry Letters and Reviews</i> , 2018 , 11, 36-46	4.7	27
62	Organocatalytic cyanosilylation of carbonyl compounds by tetrabutylammonium phthalimide-N-oxyl. <i>Catalysis Communications</i> , 2009 , 10, 582-585	3.2	27
61	Cu(II) and magnetite nanoparticles decorated melamine-functionalized chitosan: A synergistic multifunctional catalyst for sustainable cascade oxidation of benzyl alcohols/Knoevenagel condensation. <i>Scientific Reports</i> , 2019 , 9, 17758	4.9	27
60	Organocatalytic, rapid and facile cyclotrimerization of isocyanates using tetrabutylammonium phthalimide-N-oxyl and tetraethylammonium 2-(carbamoyl)benzoate under solvent-free conditions. <i>Catalysis Communications</i> , 2010 , 12, 226-230	3.2	26
59	Melamine-modified chitosan materials: An efficient and recyclable bifunctional organocatalyst for green synthesis of densely functionalized bioactive dihydropyrano[2,3-c]pyrazole and benzylpyrazolyl coumarin derivatives. <i>International Journal of Biological Macromolecules</i> , 2019 , 129, 407-421	7.9	26
58	Activation of trimethylsilyl cyanide by potassium phthalimide for facile synthesis of TMS-protected cyanohydrins. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1789-1794	2.3	25
57	1,3,5-Tris(2-hydroxyethyl)isocyanurate functionalized graphene oxide: a novel and efficient nanocatalyst for the one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones. <i>New Journal of Chemistry</i> , 2017 , 41, 6893-6901	3.6	23
56	SO ₃ H-functionalized mesoporous silica materials as solid acid catalyst for facile and solvent-free synthesis of 2H-indazolo[2,1-b]phthalazine-1,6,11-trione derivatives. <i>New Journal of Chemistry</i> , 2015 , 39, 9665-9671	3.6	23
55	Potassium phthalimide-N-oxyl: An efficient catalyst for cyanosilylation of carbonyl compounds under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2008 , 283, 29-32		22
54	A Simple and Efficient Method for Synthesis of Isocyanurates Catalyzed by Potassium Phthalimide Under Solvent-Free Conditions. <i>Letters in Organic Chemistry</i> , 2005 , 2, 734-738	0.6	22
53	Efficient and Selective Trimerization of Aryl and Alkyl Isocyanates Catalyzed by Sodium-p-Toluenesulfonate in the Presence of TBAI in a Solvent-Free Condition. <i>Bulletin of the Chemical Society of Japan</i> , 2002 , 75, 851-852	5.1	21
52	Propylsulfonic Acid-Anchored Isocyanurate-Based Periodic Mesoporous Organosilica (PMO-ICS-PrSO ₃ H): A Highly Efficient and Recoverable Nanoporous Catalyst for the One-Pot Synthesis of Substituted Polyhydroquinolines. <i>Catalysis Letters</i> , 2017 , 147, 2656-2663	2.8	20
51	Tetrabutylammonium phthalimide-N-oxyl: An efficient organocatalyst for trimethylsilylation of alcohols and phenols with hexamethyldisilazane. <i>Journal of the Iranian Chemical Society</i> , 2011 , 8, 537-544		19
50	Microwave assisted Willgerodt-Kindler reaction of styrenes. <i>Journal of Chemical Research</i> , 2000 , 2000, 228-229	0.6	19
49	Immobilized metalloporphyrins on 3-aminopropyl-functionalized silica support as heterogeneous catalysts for selective oxidation of primary and secondary alcohols. <i>Monatshefte Für Chemie</i> , 2012 , 143, 1031-1038	1.4	18
48	DABA MNPs: a new and efficient magnetic bifunctional nanocatalyst for the green synthesis of biologically active pyrano[2,3-c]pyrazole and benzylpyrazolyl coumarin derivatives. <i>New Journal of Chemistry</i> , 2020 , 44, 13952-13961	3.6	18
47	Melamine-Functionalized Chitosan: A New Bio-Based Reusable Bifunctional Organocatalyst for the Synthesis of Cyanocinnamitrile Intermediates and Densely Functionalized Nicotinitrile Derivatives. <i>ChemistrySelect</i> , 2018 , 3, 10450-10463	1.8	18

46	New Hydrogen-Bond-Enriched 1,3,5-Tris(2-hydroxyethyl) Isocyanurate Covalently Functionalized MCM-41: An Efficient and Recoverable Hybrid Catalyst for Convenient Synthesis of Acridinedione Derivatives. <i>ACS Omega</i> , 2019 , 4, 20618-20633	3.9	17
45	Synthesis of cyanohydrin trimethylsilyl ethers catalyzed by potassium p-toluenesulfonate. <i>Catalysis Communications</i> , 2008 , 9, 1352-1355	3.2	17
44	The Performance of Phthalimide-N-oxyl Anion. <i>Monatshefte für Chemie</i> , 2006 , 137, 1591-1595	1.4	17
43	Tetraethylammonium 2-(carbamoyl)benzoate as a bifunctional organocatalyst for one-pot synthesis of Hantzsch 1,4-dihydropyridine and polyhydroquinoline derivatives. <i>Monatshefte für Chemie</i> , 2016 , 147, 1779-1787	1.4	16
42	Selective and highly efficient synthesis of xanthenedione or tetraketone derivatives catalyzed by ZnO nanorod-decorated graphene oxide. <i>New Journal of Chemistry</i> , 2018 , 42, 14246-14262	3.6	16
41	Superparamagnetic silica core-shell hybrid attached to graphene oxide as a promising recoverable catalyst for expeditious synthesis of TMS-protected cyanohydrins. <i>Journal of Colloid and Interface Science</i> , 2018 , 521, 232-241	9.3	15
40	Organocatalytic synthesis of cyanohydrin trimethylsilyl ethers by potassium 4-benzylpiperidinedithiocarbamate under solvent-free conditions. <i>Applied Organometallic Chemistry</i> , 2010 , 24, 229-235	3.1	15
39	Green and Facile Synthesis of 4H-Pyran Scaffold Catalyzed by Pure Nano-Ordered Periodic Mesoporous Organosilica with Isocyanurate Framework (PMO-ICS). <i>ChemistrySelect</i> , 2017 , 2, 9236-9243	1.8	14
38	Sodium alginate: A biopolymeric catalyst for the synthesis of novel and known polysubstituted pyrano[3,2-c]chromenes. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 605-613	7.9	14
37	Novel magnetic propylsulfonic acid-anchored isocyanurate-based periodic mesoporous organosilica (Iron oxide@PMO-ICS-PrSOH) as a highly efficient and reusable nanoreactor for the sustainable synthesis of imidazopyrimidine derivatives. <i>Scientific Reports</i> , 2020 , 10, 10646	4.9	14
36	An efficient catalyst- and solvent-free method for the synthesis of medicinally important dihydropyrano[2,3-c]pyrazole derivatives using ball milling technique. <i>Journal of the Iranian Chemical Society</i> , 2016 , 13, 591-596	2	13
35	Genuinely catalytic Fries rearrangement using sulfated zirconia. <i>Green Chemistry</i> , 2002 , 4, 366-368	10	12
34	Carbamate-Isocyanurate-Bridged Periodic Mesoporous Organosilica for van der Waals CO Capture. <i>Inorganic Chemistry</i> , 2020 , 59, 11223-11227	5.1	12
33	Organocatalytic clean synthesis of densely functionalized 4H-pyrans by bifunctional tetraethylammonium 2-(carbamoyl)benzoate using ball milling technique under mild conditions. <i>Green Chemistry Letters and Reviews</i> , 2016 , 9, 96-105	4.7	12
32	A facile and environmentally benign polyethylene glycol 600-mediated method for the synthesis of densely functionalized 2-aminothiophene derivatives under ultrasonication. <i>Green Chemistry Letters and Reviews</i> , 2017 , 10, 315-323	4.7	11
31	Fast and Convenient Synthesis of Cross-Linked Poly(urethane-isocyanurate) in the Presence of Tetrabutylammonium Phthalimide-N-oxyl or Tetraethylammonium 2-(Carbamoyl)benzoate as Efficient Metal-free Cyclotrimerization Catalysts. <i>Polymer-Plastics Technology and Engineering</i> , 2013 , 52, 1127-1132		11
30	A rapid, convenient and chemoselective synthesis of acylals from aldehydes catalyzed by reusable nano-ordered MCM-41-SO ₃ H. <i>Comptes Rendus Chimie</i> , 2012 , 15, 1072-1076	2.7	11
29	Benzene-1,3,5-tricarboxylic acid-functionalized MCM-41 as a novel and recoverable hybrid catalyst for expeditious and efficient synthesis of 2,3-dihydroquinazolin-4(1H)-ones via one-pot three-component reaction. <i>Research on Chemical Intermediates</i> , 2020 , 46, 3891-3909	2.8	11

28	Optimization of catalytic activity of sulfated titania for efficient synthesis of isoamyl acetate by response surface methodology. <i>Monatshefte Für Chemie</i> , 2015 , 146, 1949-1957	1.4	9
27	Solvent-free Efficient Synthesis of Symmetrical Isocyanurates by a Combination Catalyst: Sodium Saccharin and Tetrabutylammonium Iodide. <i>Monatshefte Für Chemie</i> , 2004 , 135, 849	1.4	9
26	Progresses in chitin, chitosan, starch, cellulose, pectin, alginate, gelatin and gum based (nano)catalysts for the Heck coupling reactions: A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 771-819	7.9	9
25	Fast and Efficient Green Procedure for the Synthesis of Benzo[5,6]chromene Derivatives and Their Sulfur Analogues in Water by Organocatalyst Potassium Phthalimide-N-oxyl. <i>Synthesis</i> , 2020 , 52, 1707-1718	2.0	8
24	Preparation of 5-Substituted-1H-Tetrazoles Catalyzed by MOFs via Two Strategies: Direct Condensation of Aryl Nitriles with Sodium Azide, and Tri-Component Reaction Method. <i>ChemistrySelect</i> , 2018 , 3, 8332-8337	1.8	8
23	Combination of Sulfite Anion and Phase Transfer Catalysts for Green Cyclotrimerization of Aryl Isocyanates. <i>Synthetic Communications</i> , 2005 , 35, 427-434	1.7	8
22	FeCl ₃ as an efficient and new catalyst for the thia-Fries rearrangement of aryl sulfinates. <i>Tetrahedron Letters</i> , 2001 , 42, 8119-8121	2	7
21	A practical and highly efficient synthesis of densely functionalized nicotinonitrile derivatives catalyzed by zinc oxide-decorated superparamagnetic silica attached to graphene oxide nanocomposite. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4735	3.1	7
20	Sulfate catalysed multicomponent cyclisation reaction of aryl isocyanates under green conditions. <i>Journal of Chemical Research</i> , 2005 , 2005, 177-179	0.6	6
19	Activation of hexamethyldisilazane (HMDS) by TiO ₂ nanoparticles for protection of alcohols and phenols: the effect of the catalyst phase on catalytic activity. <i>Research on Chemical Intermediates</i> , 2018 , 44, 2951-2963	2.8	5
18	Gaseous Nitrogen Dioxide for Sustainable Oxidative Deprotection of Trimethylsilyl Ethers. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012 , 187, 142-148	1	5
17	Microwave-promoted pseudo-thia-Fries rearrangement of aryl benzyulfonates; highly reactive benzyl cation generation. <i>Journal of Sulfur Chemistry</i> , 2004 , 25, 125-130	2.3	5
16	Tetramethylguanidine-functionalized melamine as a multifunctional organocatalyst for the expeditious synthesis of 1,2,4-triazoloquinazolinones. <i>Scientific Reports</i> , 2021 , 11, 14457	4.9	5
15	Synthesis of nanocellulose aerogels and Cu-BTC/nanocellulose aerogel composites for adsorption of organic dyes and heavy metal ions. <i>Scientific Reports</i> , 2021 , 11, 18553	4.9	5
14	Dendrons containing boric acid and 1,3,5-tris(2-hydroxyethyl)isocyanurate covalently attached to silica-coated magnetite for the expeditious synthesis of Hantzsch esters. <i>Scientific Reports</i> , 2021 , 11, 2399	4.9	5
13	Pyromellitic diamide diacid bridged mesoporous organosilica nanospheres with controllable morphologies: a novel PMO for the facile and expeditious synthesis of imidazole derivatives. <i>Nanoscale Advances</i> ,	5.1	4
12	The Isocyanurate-Carbamate-Bridged Hybrid Mesoporous Organosilica: An Exceptional Anchor for Pd Nanoparticles and a Unique Catalyst for Nitroaromatics Reduction. <i>Catalysts</i> , 2021 , 11, 621	4	4
11	Tetramethylguanidine-functionalized nanosize Al ₂ O ₃ as a novel and efficient catalyst for the four-component synthesis of pyrazolopyranopyrimidine derivatives. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 1419-1431	2	4

10	An improved solvent-free synthesis of flunixin and 2-(arylamino) nicotinic acid derivatives using boric acid as catalyst. <i>Chemistry Central Journal</i> , 2017 , 11, 124		3
9	Supported copper on a diamide-diacid-bridged PMO: an efficient hybrid catalyst for the cascade oxidation of benzyl alcohols/Knoevenagel condensation.. <i>RSC Advances</i> , 2021 , 12, 437-450	3.7	2
8	MCM-41-SO ₃ H-catalyzed synthesis of highly substituted 3-amino-imidazo[1,2-a]pyridines or pyrazines via the Groebke-Blackburn-Bienaym multicomponent reaction under grinding conditions at ambient temperature. <i>Scientia Iranica</i> , 2016 , 23, 2724-2734	1.5	2
7	Nanoporous metal-organic framework Cu ₂ (BDC) ₂ (DABCO) as an efficient heterogeneous catalyst for one-pot facile synthesis of 1,2,3-triazole derivatives in ethanol and evaluating antimicrobial activity of the novel derivatives. <i>Scientia Iranica</i> , 2018 , 0-0	1.5	2
6	A straightforward, environmentally beneficial synthesis of spiro[diindeno[1,2-b:2'1'Se]pyridine-11,3'indoline]-2,10,12-triones mediated by a nano-ordered reusable catalyst. <i>Scientific Reports</i> , 2021 , 11, 4820	4.9	2
5	Sulfamic acid pyromellitic diamide-functionalized MCM-41 as a multifunctional hybrid catalyst for melting-assisted solvent-free synthesis of bioactive 3,4-dihydropyrimidin-2-(1H)-ones. <i>Scientific Reports</i> , 2021 , 11, 11199	4.9	2
4	Synthesis of ionic liquids with multifunctional tribological properties as excellent single-component package additives for turbine oils. <i>Lubrication Science</i> , 2019 , 31, 311-320	1.3	1
3	A molecular dynamic simulation study of anticancer agents and UiO-66 as a carrier in drug delivery systems.. <i>Journal of Molecular Graphics and Modelling</i> , 2022 , 113, 108147	2.8	1
2	Analysis of patents in photocatalytic water and wastewater treatment. Part I Photocatalytic materials 2022 , 159-182		
1	Analysis of patents in photocatalytic water and wastewater treatment. Part II Solar energy and nanotechnology 2022 , 183-208		