S M A Hakim Siddiki

List of Publications by Year
in descending order

81	2,834	136885	182361
papers	citations	32 h-index	51 g-index

102	102	102	3249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transesterification of Ethyl-10-undecenoate Using a Cu-Deposited V2O5 Catalyst as a Model Reaction for Efficient Conversion of Plant Oils to Monomers and Fine Chemicals. ACS Omega, 2022, 7, 4372-4380.	1.6	4
2	Catalytic Methylation of Benzene over Pt/MoOx/TiO2 and Zeolite Catalyst Using CO2 and H2. Chemistry Letters, 2022, 51, 149-152.	0.7	1
3	Direct synthesis of triazines from alcohols and amidines using supported Pt nanoparticle catalysts via the acceptorless dehydrogenative methodology. Catalysis Science and Technology, 2022, 12, 4679-4687.	2.1	4
4	Experimental and Theoretical Investigation of Metalâ€“Support Interactions in Metal-Oxide-Supported Rhenium Materials. Journal of Physical Chemistry C, 2022, 126, 4472-4482.	1.5	5
5	Hydrolysis of amides to carboxylic acids catalyzed by Nb₂O₅. Catalysis Science and Technology, 2021, 11, 1949-1960.	2.1	18
6	Reverse Water-Gas Shift Reaction via Redox of Re Nanoclusters Supported on TiO2. Chemistry Letters, 2021, 50, 158-161.	0.7	11
7	Reverse water-gas shift reaction over Pt/MoO_x/TiO₂: reverse Marsâ€“van Krevelen mechanism via redox of supported MoO_x. Catalysis Science and Technology, 2021, 11, 4172-4180.	2.1	20
8	Catalytic Methylation of m-Xylene, Toluene, and Benzene Using CO₂ and H₂ over TiO₂-Supported Re and Zeolite Catalysts: Machine-Learning-Assisted Catalyst Optimization. ACS Catalysis, 2021, 11, 5829-5838.	5.5	25
9	Analysis of Updated Literature Data up to 2019 on the Oxidative Coupling of Methane Using an Extrapolative Machineâ€Learning Method to Identify Novel Catalysts. ChemCatChem, 2021, 13, 3636-3655.	1.8	33
10	High-silica HÎ² zeolite catalyzed methanolysis of triglycerides to form fatty acid methyl esters (FAMEs). Fuel Processing Technology, 2020, 197, 106204.	3.7	17
11	Challenges and future prospects in heterogeneous catalysis for biorefinery technologies. , 2020, , 225-250.		3
12	Highly Î²-Selective Glycosylation Reactions for the Synthesis of Ï‰-Functionalized Alkyl Î²-Maltoside as a Co-crystallizing Detergent. Russian Journal of Organic Chemistry, 2020, 56, 1806-1814.	0.3	0
13	Selective C3-alkenylation of oxindole with aldehydes using heterogeneous CeO2 catalyst. Chinese Journal of Catalysis, 2020, 41, 970-976.	6.9	9
14	Catalytic Methylation of Aromatic Hydrocarbons using CO₂/H₂ over Re/TiO₂ and Hâ€MOR Catalysts. ChemCatChem, 2020, 12, 2215-2220.	1.8	24
15	Esterification of Tertiary Amides by Alcohols Through Cî€“N Bond Cleavage over CeO₂. ChemCatChem, 2019, 11, 449-456.	1.8	21
16	Heterogeneous Pt and MoO_x Co-Loaded TiO₂ Catalysts for Low-Temperature CO₂ Hydrogenation To Form CH₃OH. ACS Catalysis, 2019, 9, 8187-8196.	5.5	66
17	Direct Phenolysis Reactions of Unactivated Amides into Phenolic Esters Promoted by a Heterogeneous CeO 2 Catalyst. Chemistry - A European Journal, 2019, 25, 10515-10515.	1.7	0
18	Acetalization of glycerol with ketones and aldehydes catalyzed by high silica HÎ² zeolite. Molecular Catalysis, 2019, 479, 110608.	1.0	20

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19	Mechanistic study of the selective hydrogenation of carboxylic acid derivatives over supported rhenium catalysts. Catalysis Science and Technology, 2019, 9, 5413-5424.	2.1	25
20	Direct Phenolysis Reactions of Unactivated Amides into Phenolic Esters Promoted by a Heterogeneous CeO₂ Catalyst. Chemistry - A European Journal, 2019, 25, 10594-10605.	1.7	17
21	Synthesis of Pyrimidines from Alcohols and Amidines on Pt/C Nanoparticles. Synfacts, 2019, 15, 0288.	0.0	0
22	Selective Transformations of Triglycerides into Fatty Amines, Amides, and Nitriles by using Heterogeneous Catalysis. ChemSusChem, 2019, 12, 3115-3125.	3.6	25
23	Low-Temperature Hydrogenation of CO₂ to Methanol over Heterogeneous TiO₂-Supported Re Catalysts. ACS Catalysis, 2019, 9, 3685-3693.	5.5	82
24	N-Methylation of amines and nitroarenes with methanol using heterogeneous platinum catalysts. Journal of Catalysis, 2019, 371, 47-56.	3.1	48
25	Cerium(IV) Oxide-Catalyzed Direct Phenolysis of Amides. Synfacts, 2019, 15, 1298.	0.0	0
26	Esterification of Tertiary Amides by Alcohols Through Câ^'N Bond Cleavage over CeO 2. ChemCatChem, 2019, 11, 15-15.	1.8	0
27	Lewis Acid Catalysis of Nb₂O₅ for Reactions of Carboxylic Acid Derivatives in the Presence of Basic Inhibitors. ChemCatChem, 2019, 11, 383-396.	1.8	53
28	C-Methylation of Alcohols, Ketones, and Indoles with Methanol Using Heterogeneous Platinum Catalysts. ACS Catalysis, 2018, 8, 3091-3103.	5.5	85
29	Direct Synthesis of Lactams from Keto Acids, Nitriles, and H₂ by Heterogeneous Pt Catalysts. ChemCatChem, 2018, 10, 789-795.	1.8	28
30	Combined theoretical and experimental study on alcoholysis of amides on CeO2 surface: A catalytic interplay between Lewis acid and base sites. Catalysis Today, 2018, 303, 256-262.	2.2	13
31	The Catalytic Reduction of Carboxylic Acid Derivatives and CO₂ by Metal Nanoparticles on Lewisâ€Acidic Supports. Chemical Record, 2018, 18, 1374-1393.	2.9	18
32	Origin of Nb2 O5 Lewis Acid Catalysis for Activation of Carboxylic Acids in the Presence of a Hard Base. ChemPhysChem, 2018, 19, 2809-2809.	1.0	0
33	Acceptorless Dehydrogenative Synthesis of Pyrimidines from Alcohols and Amidines Catalyzed by Supported Platinum Nanoparticles. ACS Catalysis, 2018, 8, 11330-11341.	5.5	58
34	High-silica Hî² zeolites for catalytic hydration of hydrophobic epoxides and alkynes in water. Journal of Catalysis, 2018, 368, 145-154.	3.1	26
35	Acceptorless dehydrogenative coupling reactions with alcohols over heterogeneous catalysts. Green Chemistry, 2018, 20, 2933-2952.	4.6	114
36	Origin of Nb₂O₅ Lewis Acid Catalysis for Activation of Carboxylic Acids in the Presence of a Hard Base. ChemPhysChem, 2018, 19, 2848-2857.	1.0	28

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37	Heterogeneous Platinum Catalysts for Direct Synthesis of Trimethylamine by N-Methylation of Ammonia and Its Surrogates with CO₂/H₂. Chemistry Letters, 2017, 46, 68-70.	0.7	19
38	Hydrodeoxygenation of Fatty Acids, Triglycerides, and Ketones to Liquid Alkanes by a Ptâ€“MoO_x/TiO₂ Catalyst. ChemCatChem, 2017, 9, 2822-2827.	1.8	53
39	Oxidantâ€free Dehydrogenation of Glycerol to Lactic Acid by Heterogeneous Platinum Catalysts. ChemCatChem, 2017, 9, 2816-2821.	1.8	26
40	Heterogeneous catalysts for the cyclization of dicarboxylic acids to cyclic anhydrides as monomers for bioplastic production. Green Chemistry, 2017, 19, 3238-3242.	4.6	22
41	TiO2 -Supported Re as a General and Chemoselective Heterogeneous Catalyst for Hydrogenation of Carboxylic Acids to Alcohols. Chemistry - A European Journal, 2017, 23, 980-980.	1.7	3
42	Rheniumâ€Loaded TiO₂: A Highly Versatile and Chemoselective Catalyst for the Hydrogenation of Carboxylic Acid Derivatives and the Nâ€Methylation of Amines Using H₂ and CO₂. Chemistry - A European Journal, 2017, 23, 14848-14859.	1.7	76
43	Niobic Acid Catalyzed Cyclization of Dicarboxylic Acids. Synfacts, 2017, 13, 1109.	0.0	1
44	TiO₂â€Supported Re as a General and Chemoselective Heterogeneous Catalyst for Hydrogenation of Carboxylic Acids to Alcohols. Chemistry - A European Journal, 2017, 23, 1001-1006.	1.7	45
45	Acceptorless dehydrogenation of N -heterocycles by supported Pt catalysts. Catalysis Today, 2017, 281, 507-511.	2.2	38
46	Platinumâ€“Molybdenum Oxide/Titania-Catalyzed Reduction of Sulfoxides. Synfacts, 2016, 12, 0758-0758.	0.0	0
47	Direct Olefination of Alcohols with Sulfones by Using Heterogeneous Platinum Catalysts. Chemistry - A European Journal, 2016, 22, 6111-6119.	1.7	30
48	Lewis Acid-Promoted Heterogeneous Platinum Catalysts for Hydrogenation of Amides to Amines. ChemistrySelect, 2016, 1, 736-740.	0.7	42
49	Catalytic hydrolysis of hydrophobic esters on/in water by high-silica large pore zeolites. Journal of Catalysis, 2016, 344, 741-748.	3.1	18
50	Synthesis of 2,5-disubstituted pyrroles via dehydrogenative condensation of secondary alcohols and 1,2-amino alcohols by supported platinum catalysts. Organic Chemistry Frontiers, 2016, 3, 846-851.	2.3	35
51	Hydrodeoxygenation of sulfoxides to sulfides by a Pt and MoO_x co-loaded TiO₂ catalyst. Green Chemistry, 2016, 18, 2554-2560.	4.6	39
52	Amidation of Carboxylic Acids with Amines by Nb₂O₅ as a Reusable Lewis Acid Catalyst. ChemCatChem, 2015, 7, 3555-3561.	1.8	43
53	A Heterogeneous Niobium(V) Oxide Catalyst for the Direct Amidation of Esters. ChemCatChem, 2015, 7, 2705-2710.	1.8	40
54	Acceptorless dehydrogenative synthesis of benzothiazoles and benzimidazoles from alcohols or aldehydes by heterogeneous Pt catalysts under neutral conditions. Tetrahedron Letters, 2015, 56, 4885-4888.	0.7	56

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55	Dehydrogenative Synthesis of Benzazoles with Platinum Catalysts. Synfacts, 2015, 11, 1116-1116.	0.0	1
56	Synthesis of indoles via dehydrogenative N-heterocyclization by supported platinum catalysts. RSC Advances, 2015, 5, 1059-1062.	1.7	18
57	Selective N-alkylation of indoles with primary alcohols using a Pt/HBEA catalyst. Green Chemistry, 2015, 17, 173-177.	4.6	40
58	Acceptorless dehydrogenative synthesis of 2-substituted quinazolines from 2-aminobenzylamine with primary alcohols or aldehydes by heterogeneous Pt catalysts. RSC Advances, 2014, 4, 53374-53379.	1.7	30
59	Transamidation of Amides Catalyzed by Fe-Mont. Synfacts, 2014, 10, 0540-0540.	0.0	0
60	N-Methylation of Secondary Amines with CO2 and H2 Using Pt-MoOx/TiO2. Synfacts, 2014, 10, 0998-0998.	0.0	0
61	N-alkylation of ammonia and amines with alcohols catalyzed by Ni-loaded CaSiO3. Catalysis Today, 2014, 232, 134-138.	2.2	61
62	Sustainable Heterogeneous Platinum Catalyst for Direct Methylation of Secondary Amines by Carbon Dioxide and Hydrogen. Chemistry - A European Journal, 2014, 20, 6264-6267.	1.7	70
63	Fe3+-exchanged clay catalyzed transamidation of amides with amines under solvent-free condition. Tetrahedron Letters, 2014, 55, 1316-1319.	0.7	40
64	Acceptorless dehydrogenative coupling of primary alcohols to esters by heterogeneous Pt catalysts. Catalysis Science and Technology, 2014, 4, 3631-3635.	2.1	33
65	Direct synthesis of quinazolinones by acceptorless dehydrogenative coupling of o-aminobenzamide and alcohols by heterogeneous Pt catalysts. Catalysis Science and Technology, 2014, 4, 1716-1719.	2.1	70
66	C-3 alkylation of oxindole with alcohols by Pt/CeO₂ catalyst in additive-free conditions. Catalysis Science and Technology, 2014, 4, 1064-1069.	2.1	46
67	Versatile and sustainable alcoholysis of amides by a reusable CeO₂ catalyst. RSC Advances, 2014, 4, 35803-35807.	1.7	32
68	Heterogeneous Pt Catalysts for Reductive Amination of Levulinic Acid to Pyrrolidones. ACS Catalysis, 2014, 4, 3045-3050.	5.5	142
69	Versatile and Sustainable Synthesis of Cyclic Imides from Dicarboxylic Acids and Amines by Nb₂O₅ as a Baseâ€Tolerant Heterogeneous Lewis Acid Catalyst. Chemistry - A European Journal, 2014, 20, 14256-14260.	1.7	34
70	Self-Coupling of Secondary Alcohols and Î±-Alkylation of Methyl Ketones with Secondary Alcohols by Pt/CeO2 Catalyst. Topics in Catalysis, 2014, 57, 1042-1048.	1.3	24
71	Alkylation of 2-methylquinoline with alcohols under additive-free conditions by Al2O3-supported Pt catalyst. Tetrahedron Letters, 2013, 54, 6490-6493.	0.7	48
72	General and Selective Câ€3 Alkylation of Indoles with Primary Alcohols by a Reusable Pt Nanocluster Catalyst. Chemistry - A European Journal, 2013, 19, 14416-14419.	1.7	52

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73	Self-coupling of secondary alcohols by Ni/CeO2 catalyst. Applied Catalysis A: General, 2013, 462-463, 137-142.	2.2	33
74	Heterogeneous Ni Catalysts for N-Alkylation of Amines with Alcohols. ACS Catalysis, 2013, 3, 998-1005.	5.5	179
75	CeO2 as a versatile and reusable catalyst for transesterification of esters with alcohols under solvent-free conditions. Green Chemistry, 2013, 15, 1641.	4.6	33
76	Size- and support-dependent Pt nanocluster catalysis for oxidant-free dehydrogenation of alcohols. Journal of Catalysis, 2013, 304, 63-71.	3.1	125
77	Acceptor-free dehydrogenation of secondary alcohols by heterogeneous cooperative catalysis between Ni nanoparticles and acidâ€“base sites of alumina supports. Journal of Catalysis, 2013, 300, 242-250.	3.1	104
78	Dehydrative Alkylation of 2-Methylquinoline with Alcohols Using Pt/Al2O3. Synfacts, 2013, 10, 0098-0098.	0.0	0
79	Ring Closing Metathesis Using Chiral Template Consisting of Hard and Soft Parts. Macromolecular Symposia, 2010, 293, 10-14.	0.4	2
80	Stereocontrol in Radical Cyclization: Change in Rate-Determining Step. Organic Letters, 2010, 12, 3626-3629.	2.4	3
81	Carbanion vs. Carbon Radical in Tandem 1,4-Addition to Two Connected Units of Acrylate or Methacrylate. Bulletin of the Chemical Society of Japan, 2007, 80, 2011-2013.	2.0	2