Ahmad S Alshammari

List of Publications by Year
in descending order

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36 papers	2,758 citations	361045 20 h-index	414034 32 g-index
36 all docs	36 docs citations	36 times ranked	5030 citing authors

#	Article	IF	Citations
1	Reductive Amination, Hydrogenation and Hydrodeoxygenation of 5â€Hydroxymethylfurfural using Silicaâ€supported Cobaltâ€Nanoparticles. ChemCatChem, 2022, 14, .	1.8	19
2	Reductive N-alkylation of primary amides using nickel-nanoparticles. Tetrahedron, 2021, , 132526.	1.0	0
3	Scalable preparation of stable and reusable silica supported palladium nanoparticles as catalysts for N-alkylation of amines with alcohols. Journal of Catalysis, 2020, 382, 141-149.	3.1	30
4	Enhancement of saturation magnetisation through the addition of a nonmagnetic element in substitutional Fe-doped In2O3 powder. Journal of Magnetism and Magnetic Materials, 2020, 500, 166413.	1.0	8
5	Levulinic Acid Derived Reusable Cobalt-Nanoparticles-Catalyzed Sustainable Synthesis of Î³-Valerolactone. ACS Sustainable Chemistry and Engineering, 2019, 7, 14756-14764.	3.2	42
6	Cobalt-Nanoparticles Catalyzed Efficient and Selective Hydrogenation of Aromatic Hydrocarbons. ACS Catalysis, 2019, 9, 8581-8591.	5.5	52
7	Acetone Reaction with Hydrogen over Mesoporous Magnesium Oxide-Supported Rhodium Nanoparticles. Topics in Catalysis, 2019, 62, 795-804.	1.3	3
8	Effect of the Nature of Metal Nanoparticles on the Photocatalytic Degradation of Rhodamine B. Topics in Catalysis, 2019, 62, 786-794.	1.3	6
9	Effects of pyrolysis temperatures on the textural, magnetic, morphology, and catalytic properties of supported nickel nanoparticles. Journal of Saudi Chemical Society, 2019, 23, 999-1005.	2.4	1
10	Monodisperse nickel-nanoparticles for stereo- and chemoselective hydrogenation of alkynes to alkenes. Journal of Catalysis, 2019, 370, 372-377.	3.1	30
11	Heterogeneous Gold Catalysis: From Discovery to Applications. Catalysts, 2019, 9, 402.	1.6	29
12	Photodegradation of rhodamine B over semiconductor supported gold nanoparticles: The effect of semiconductor support identity. Arabian Journal of Chemistry, 2019, 12, 1406-1412.	2.3	13
13	Cobalt-based nanoparticles prepared from MOFâ€“carbon templates as efficient hydrogenation catalysts. Chemical Science, 2018, 9, 8553-8560.	3.7	87
14	Calcium <scp>I</scp>-Lactate Frameworks as Naturally Degradable Carriers for Pesticides. Journal of the American Chemical Society, 2017, 139, 8118-8121.	6.6	119
15	Molecular Retrofitting Adapts a Metalâ€“Organic Framework to Extreme Pressure. ACS Central Science, 2017, 3, 662-667.	5.3	79
16	MOF-derived cobalt nanoparticles catalyze a general synthesis of amines. Science, 2017, 358, 326-332.	6.0	604
17	Plasmon-Enhanced Photocatalytic CO₂ Conversion within Metalâ€“Organic Frameworks under Visible Light. Journal of the American Chemical Society, 2017, 139, 356-362.	6.6	511
18	Bimetallic Catalysts Containing Gold and Palladium for Environmentally Important Reactions. Catalysts, 2016, 6, 97.	1.6	54

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19	Weaving of organic threads into a crystalline covalent organic framework. Science, 2016, 351, 365-369.	6.0	427
20	Binary Mgâ€“Fe oxide as a highly active and magnetically separable catalyst for the synthesis of ethyl methyl carbonate. RSC Advances, 2015, 5, 25849-25856.	1.7	13
21	Interaction between CO2 and ionic liquids confined in the nanopores of SAPO-11. RSC Advances, 2015, 5, 48908-48915.	1.7	11
22	Visible-light photocatalysis on C-doped ZnO derived from polymer-assisted pyrolysis. RSC Advances, 2015, 5, 27690-27698.	1.7	158
23	Catalytic alcoholysis of urea to diethyl carbonate over calcined Mgâ€“Znâ€“Al hydrotalcite. RSC Advances, 2015, 5, 19534-19540.	1.7	23
24	Highly selective and stable electro-catalytic system with ionic liquids for the reduction of carbon dioxide to carbon monoxide. Electrochemistry Communications, 2015, 55, 43-46.	2.3	22
25	Nanosize Gold Promoted Vanadium Oxide Catalysts for Ammoxidation of 2-Methylpyrazine to 2-Cyanopyrazine. Topics in Catalysis, 2015, 58, 1062-1068.	1.3	6
26	Potential of Supported Gold Bimetallic Catalysts for Green Synthesis of Adipic Acid from Cyclohexane. Topics in Catalysis, 2015, 58, 1069-1076.	1.3	13
27	Efficient synthesis of diphenyl carbonate from dibutyl carbonate and phenol using square-shaped Znâ€“Tiâ€“O nanoplates as solid acid catalysts. RSC Advances, 2015, 5, 84621-84626.	1.7	6
28	Production of Silver Nanoparticles with Strong and Stable Antimicrobial Activity against Highly Pathogenic and Multidrug Resistant Bacteria. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	157
29	Highly selective electrocatalytic reduction of carbon dioxide to carbon monoxide on silver electrode with aqueous ionic liquids. Electrochemistry Communications, 2014, 46, 103-106.	2.3	50
30	Two-step synthesis of dimethyl carbonate from urea, ethylene glycol and methanol using acidâ€“base bifunctional zinc-yttrium oxides. Fuel Processing Technology, 2014, 126, 359-365.	3.7	28
31	Room-temperature synthesis of zinc oxide nanoparticles in different media and their application in cyanide photodegradation. Nanoscale Research Letters, 2013, 8, 516.	3.1	100
32	Synthesis, Characterization, and Cyanide Photodegradation Over Cupric Oxide-Doped Zinc Oxide Nanoparticles. ACS Symposium Series, 2013, , 327-338.	0.5	2
33	Direct oxidation of cyclohexane to adipic acid using nano-gold catalysts. Applied Petrochemical Research, 2012, 2, 61-67.	1.3	8
34	Significant Formation of Adipic Acid by Direct Oxidation of Cyclohexane Using Supported Nanoâ€Gold Catalysts. ChemCatChem, 2012, 4, 1330-1336.	1.8	33
35	Metal Organic Frameworks as Emerging Photocatalysts. , 0, , .		5
36	Metal Nanoparticles as Emerging Green Catalysts. , 0, , .		9