Prem K Seelam

List of Publications by Year
in descending order

21	533	687363 13	888059 17
papers	citations	h-index	g-index

24	24	24	650
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogen production from bio-ethanol steam reforming reaction in a Pd/PSS membrane reactor. Catalysis Today, 2012, 193, 42-48.	4.4	69
2	Hydrogen production for PEM fuel cell by gas phase reforming of glycerol as byproduct of bio-diesel. The use of a Pdâ€“Ag membrane reactor at middle reaction temperature. International Journal of Hydrogen Energy, 2011, 36, 3827-3834.	7.1	63
3	Study of the dry reforming of methane and ethanol using Rh catalysts supported on doped alumina. Applied Catalysis A: General, 2015, 504, 576-584.	4.3	53
4	Oxidative steam reforming of ethanol over Ruâ€“Al2O3 catalyst in a dense Pdâ€“Ag membrane reactor to produce hydrogen for PEM fuel cells. International Journal of Hydrogen Energy, 2009, 34, 8558-8565.	7.1	49
5	Performance of a Pd/PSS membrane reactor to produce high purity hydrogen via WGS reaction. Catalysis Today, 2012, 193, 87-94.	4.4	45
6	CNT-based catalysts for H2 production by ethanol reforming. International Journal of Hydrogen Energy, 2010, 35, 12588-12595.	7.1	43
7	Tuning Y-zeolite based catalyst with copper for enhanced activity and selectivity in vapor phase hydrogenolysis of glycerol to 1,2-propanediol. Applied Catalysis A: General, 2018, 550, 308-319.	4.3	43
8	Utilization of Volatile Organic Compounds as an Alternative for Destructive Abatement. Catalysts, 2015, 5, 1092-1151.	3.5	35
9	High Performance and Sustainable Copper-Modified Hydroxyapatite Catalysts for Catalytic Transfer Hydrogenation of Furfural. Catalysts, 2020, 10, 1045.	3.5	24
10	Influence of surface acidity in lactose oxidation over supported Pd catalysts. Microporous and Mesoporous Materials, 2008, 113, 122-131.	4.4	19
11	Modified geopolymers as promising catalyst supports for abatement of dichloromethane. Journal of Cleaner Production, 2021, 280, 124584.	9.3	16
12	Synergistic effects of graphene oxide grafted chitosan & decorated MnO2 nanorods composite materials application in efficient removal of toxic industrial dyes. Journal of Water Process Engineering, 2022, 47, 102704.	5.6	16
13	Efficient Vaporâ€Phase Selective Hydrogenolysis of Bioâ€Levulinic Acid to Î³â€Valerolactone Using Cu Supported on Hydrotalcite Catalysts. Global Challenges, 2018, 2, 1800028.	3.6	14
14	Immobilized highly dispersed Ni nanoparticles over porous carbon as an efficient catalyst for selective hydrogenation of furfural and levulinic acid. Journal of Environmental Chemical Engineering, 2021, 9, 106530.	6.7	14
15	Carbon supported catalysts in low temperature steam reforming of ethanol: study of catalyst performance. RSC Advances, 2015, 5, 49487-49492.	3.6	9
16	A comparison of Structureâ€“Activity of Cu-Modified Over Different Mesoporous Silica Supports for Catalytic Conversion of Levulinic Acid. Waste and Biomass Valorization, 2022, 13, 67-79.	3.4	8
17	Overview on recent developments on hydrogen energy: Production, catalysis, and sustainability. , 2020, , 3-32.		5
18	Lanthanum phosphate: an efficient catalyst for acrylic acid production through lactic acid dehydration. Biomass Conversion and Biorefinery, 2022, 12, 3535-3546.	4.6	4

#	Article	IF	Citations
19	Microreactors and membrane microreactors: fabrication and applications. , 2013, , 188-235.		2
20	Advances in catalysts for membrane reactors. , 2013, , 401-432.		2
21	Low temperature steam reforming of ethanol over advanced carbon nanotube-based catalysts. Green Processing and Synthesis, 2015, 4, .	3.4	0