

# Prem K Seelam

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

533  
citations

687220

13  
h-index

887953

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

650  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen production from bio-ethanol steam reforming reaction in a Pd/PSS membrane reactor. <i>Catalysis Today</i> , 2012, 193, 42-48.	2.2	69
2	Hydrogen production for PEM fuel cell by gas phase reforming of glycerol as byproduct of bio-diesel. The use of a Pd-Ag membrane reactor at middle reaction temperature. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3827-3834.	3.8	63
3	Study of the dry reforming of methane and ethanol using Rh catalysts supported on doped alumina. <i>Applied Catalysis A: General</i> , 2015, 504, 576-584.	2.2	53
4	Oxidative steam reforming of ethanol over Ru-Al <sub>2</sub> O <sub>3</sub> catalyst in a dense Pd-Ag membrane reactor to produce hydrogen for PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8558-8565.	3.8	49
5	Performance of a Pd/PSS membrane reactor to produce high purity hydrogen via WGS reaction. <i>Catalysis Today</i> , 2012, 193, 87-94.	2.2	45
6	CNT-based catalysts for H <sub>2</sub> production by ethanol reforming. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12588-12595.	3.8	43
7	Tuning Y-zeolite based catalyst with copper for enhanced activity and selectivity in vapor phase hydrogenolysis of glycerol to 1,2-propanediol. <i>Applied Catalysis A: General</i> , 2018, 550, 308-319.	2.2	43
8	Utilization of Volatile Organic Compounds as an Alternative for Destructive Abatement. <i>Catalysts</i> , 2015, 5, 1092-1151.	1.6	35
9	High Performance and Sustainable Copper-Modified Hydroxyapatite Catalysts for Catalytic Transfer Hydrogenation of Furfural. <i>Catalysts</i> , 2020, 10, 1045.	1.6	24
10	Influence of surface acidity in lactose oxidation over supported Pd catalysts. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 122-131.	2.2	19
11	Modified geopolymers as promising catalyst supports for abatement of dichloromethane. <i>Journal of Cleaner Production</i> , 2021, 280, 124584.	4.6	16
12	Synergistic effects of graphene oxide grafted chitosan & decorated MnO <sub>2</sub> nanorods composite materials application in efficient removal of toxic industrial dyes. <i>Journal of Water Process Engineering</i> , 2022, 47, 102704.	2.6	16
13	Efficient Vapor-Phase Selective Hydrogenolysis of Bio-Levulinic Acid to Valerolactone Using Cu Supported on Hydrotalcite Catalysts. <i>Global Challenges</i> , 2018, 2, 1800028.	1.8	14
14	Immobilized highly dispersed Ni nanoparticles over porous carbon as an efficient catalyst for selective hydrogenation of furfural and levulinic acid. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106530.	3.3	14
15	Carbon supported catalysts in low temperature steam reforming of ethanol: study of catalyst performance. <i>RSC Advances</i> , 2015, 5, 49487-49492.	1.7	9
16	A comparison of Structure-Activity of Cu-Modified Over Different Mesoporous Silica Supports for Catalytic Conversion of Levulinic Acid. <i>Waste and Biomass Valorization</i> , 2022, 13, 67-79.	1.8	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. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3535-3546.	2.9	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, .	1.3	0