

Oscar W Perez-Lopez

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.

51
papers

867
citations

17
h-index

27
g-index

51
ext. papers

1,087
ext. citations

4.5
avg, IF

5.37
L-index

#	Paper	IF	Citations
51	Effect of composition and thermal pretreatment on properties of NiMgAl catalysts for CO ₂ reforming of methane. <i>Applied Catalysis A: General</i> , 2006 , 303, 234-244	5.1	137
50	Ethanol dehydration to diethyl ether over Cu-Fe/ZSM-5 catalysts. <i>Catalysis Communications</i> , 2018 , 104, 32-36	3.2	45
49	Aromatization of Methane Over Mo-Fe/ZSM-5 Catalysts. <i>Catalysis Letters</i> , 2009 , 131, 194-202	2.8	44
48	The catalytic behavior of zinc oxide prepared from various precursors and by different methods. <i>Materials Research Bulletin</i> , 2005 , 40, 2089-2099	5.1	44
47	Catalytic Decomposition of Methane Over MCoAl Catalysts (M = Mg, Ni, Zn, Cu). <i>Catalysis Letters</i> , 2011 , 141, 1018-1025	2.8	42
46	Tuning the acidity and reducibility of Fe/ZSM-5 catalysts for methane dehydroaromatization. <i>Fuel</i> , 2019 , 236, 1293-1300	7.1	34
45	Adsorbents derived from hydrotalcites for the removal of diclofenac in wastewater. <i>Applied Clay Science</i> , 2019 , 175, 150-158	5.2	33
44	Hydrogen production by glycerol steam reforming over Ni based catalysts prepared by different methods. <i>Biomass and Bioenergy</i> , 2019 , 130, 105358	5.3	30
43	Biogas dry reforming for hydrogen production over Ni-M-Al catalysts (M = Mg, Li, Ca, La, Cu, Co, Zn). <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17750-17766	6.7	29
42	Hydrogen production by methane decomposition over Co-Al mixed oxides derived from hydrotalcites: Effect of the catalyst activation with H ₂ or CH ₄ . <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 7895-7907	6.7	28
41	Carbon dioxide methanation over Ni-Cu/SiO ₂ catalysts. <i>Energy Conversion and Management</i> , 2020 , 203, 112214	10.6	28
40	Catalytic decomposition of methane over Ni/SiO ₂ : influence of Cu addition. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 120, 181-193	1.6	27
39	Dry reforming of methane using modified sodium and protonated titanate nanotube catalysts. <i>Fuel</i> , 2019 , 253, 713-721	7.1	22
38	Hydrogen Production by Methane Decomposition Over CuCoAl Mixed Oxides Activated Under Reaction Conditions. <i>Catalysis Letters</i> , 2014 , 144, 796-804	2.8	22
37	Decomposition of methane over Co _{3-x} Al _x O ₄ (x=0-4) coprecipitated catalysts: The role of Co phases in the activity and stability. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 29756-29772	6.7	22
36	Dry reforming of methane at moderate temperatures over modified Co-Al Co-precipitated catalysts. <i>Materials Research</i> , 2014 , 17, 1047-1055	1.5	20
35	Catalytic conversion of glycerol to olefins over Fe, Mo, and Nb catalysts supported on zeolite ZSM-5. <i>Renewable Energy</i> , 2019 , 136, 828-836	8.1	17

34	Synthesis Gas Production by Steam Reforming of Ethanol over M-Ni-Al Hydrotalcite-type Catalysts; M=Mg, Zn, Mo, Co. <i>Procedia Engineering</i> , 2012 , 42, 1805-1815		17
33	Graphene and carbon nanotubes by CH ₄ decomposition over CoAl catalysts. <i>Materials Chemistry and Physics</i> , 2019 , 226, 6-19	4.4	16
32	FTIR spectroscopy analysis for monitoring biodiesel production by heterogeneous catalyst. <i>Vibrational Spectroscopy</i> , 2019 , 105, 102990	2.1	14
31	Ionic-tagged catalytic systems applied to the ethenolysis of methyl oleate. <i>Catalysis Communications</i> , 2014 , 53, 57-61	3.2	13
30	CO ₂ adsorption using solids with different surface and acid-base properties. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103823	6.8	12
29	Methane dehydroaromatization over Fe-M/ZSM-5 catalysts (M= Zr, Nb, Mo). <i>Microporous and Mesoporous Materials</i> , 2020 , 295, 109961	5.3	12
28	Effect of concentration in the equilibrium and kinetics of adsorption of acetylsalicylic acid on ZnAl layered double hydroxide. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103991	6.8	10
27	Catalytic properties of CuMgAl hydrotalcites, their oxides and reduced phases for ethanol dehydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018 , 123, 689-705	1.6	10
26	Decomposition of Ethanol Over Ni-Al Catalysts: Effect of Copper Addition. <i>Procedia Engineering</i> , 2012 , 42, 335-345		10
25	Conversion of furan over gallium and zinc promoted ZSM-5: The effect of metal and acid sites. <i>Fuel Processing Technology</i> , 2020 , 201, 106319	7.2	10
24	Characterization of analytical fast pyrolysis vapors of medium-density fiberboard (mdf) using metal-modified HZSM-5. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 136, 87-95	6	10
23	Phosphate removal from industrial wastewaters using layered double hydroxides. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 3095-3105	2.6	9
22	Biogas dry reforming over Ni-M-Al (M = K, Na and Li) layered double hydroxide-derived catalysts. <i>Catalysis Today</i> , 2020 , 381, 96-96	5.3	9
21	CuTaAl catalysts derived from hydrocalumite and their application to ethanol dehydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 126, 497-511	1.6	9
20	Transesterification of different vegetable oils using eggshells from various sources as catalyst. <i>Vibrational Spectroscopy</i> , 2020 , 109, 103087	2.1	8
19	Biogas dry reforming over Ni-Al catalyst: Suppression of carbon deposition by catalyst preparation and activation. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 6549-6562	6.7	8
18	CO ₂ conversion to methane using Ni/SiO ₂ catalysts promoted by Fe, Co and Zn. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104629	6.8	8
17	Conversão catalítica do etanol sobre catalisadores suportados em ZSM-5. <i>Ceramica</i> , 2018 , 64, 1-9	1	8

16	Oxidative coupling of methane to light olefins using waste eggshell as catalyst. <i>Inorganic Chemistry Communication</i> , 2020 , 116, 107928	3.1	7
15	Hydrothermal synthesis of analcime without template. <i>Journal of Crystal Growth</i> , 2020 , 532, 125424	1.6	7
14	Conversion of methane to benzene via oxidative coupling and dehydroaromatization. <i>Studies in Surface Science and Catalysis</i> , 2007 , 167, 31-36	1.8	6
13	Biogas dry reforming using Ni γ -Al-LDH catalysts reconstructed with Mg and Zn. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 20359-20376	6.7	5
12	Influence of the Ni/Al ratio on Ni γ -Al mixed oxides and their catalytic properties for ethanol decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 735-744	4.1	4
11	CO ₂ methanation over Ni γ -Al and Co γ -Al LDH-derived catalysts: the role of basicity. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 5747-5756	5.8	4
10	Preparation of alumina with different precipitants for the gas phase dehydration of glycerol and their characterization by thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 142, 1387-1398	4.1	3
9	Solid leather wastes as adsorbents for cationic and anionic dye removal. <i>Environmental Technology (United Kingdom)</i> , 2020 , 1-9	2.6	3
8	Dry Reforming of Methane over Mg-Co-Al Mixed-Oxides Catalysts: Effect of Mg Content and Reduction Conditions. <i>Chemical Engineering Communications</i> , 2015 ,	2.2	2
7	Deactivation control in CO ₂ reforming of methane over Ni γ -Mg γ -Al catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 130, 159-178	1.6	2
6	Biogas Dry Reforming Over Ni γ -Mg γ -La γ -Al Catalysts: Influence of La/Mg Ratio. <i>Catalysis Letters</i> , 2021 , 151, 267-280	2.8	2
5	Synthesis and properties of template-free mesoporous alumina and its application in gas phase dehydration of glycerol. <i>Powder Technology</i> , 2021 , 378, 737-745	5.2	2
4	Nature of the interactions between Fe and Zr for the methane dehydroaromatization reaction in ZSM-5. <i>Journal of Molecular Structure</i> , 2020 , 1220, 128720	3.4	1
3	New insights on the electronic factor of the SMSI effect in Pd/TiO ₂ nanoparticles. <i>Applied Surface Science</i> , 2022 , 574, 151647	6.7	1
2	Experimental and DFT analysis of the acid and reduction properties of Fe-Cu/ZSM-5. <i>Microporous and Mesoporous Materials</i> , 2021 , 314, 110860	5.3	1
1	Light olefins by methane partial oxidation using hydrated waste eggshell as catalyst. <i>Fuel</i> , 2021 , 300, 120947	7.1	