Miguel Angel Soria

List of Publications by Year
in descending order

46 papers	1,592 citations	279487 23 h-index	288905 40 g-index
46 all docs	46 docs citations	46 times ranked	1582 citing authors

#	Article	IF	Citations
1	Olive mill wastewater valorization through steam reforming using hybrid multifunctional reactors for high-purity H2 production. Chemical Engineering Journal, 2022, 430, 132651.	6.6	16
2	Use of Ni-containing catalysts for synthetic olive mill wastewater steam reforming. Renewable Energy, 2022, 185, 1329-1342.	4.3	7
3	Olive Mill Wastewater Valorization through Steam Reforming Using Multifunctional Reactors: Challenges of the Process Intensification. Energies, 2022, 15, 920.	1.6	7
4	Catalytic Steam Reforming of Biomass-Derived Oxygenates for H2 Production: A Review on Ni-Based Catalysts. ChemEngineering, 2022, 6, 39.	1.0	2
5	Screening of commercial catalysts for steam reforming of olive mill wastewater. Renewable Energy, 2021, 169, 765-779.	4.3	16
6	Hydrogen production through chemical looping and sorption-enhanced reforming of olive mill wastewater: Thermodynamic and energy efficiency analysis. Energy Conversion and Management, 2021, 238, 114146.	4.4	19
7	Shape Effects of Ceria Nanoparticles on the Waterâ€'Gas Shift Performance of CuOx/CeO2 Catalysts. Catalysts, 2021, 11, 753.	1.6	12
8	Preparation, Characterization, and Activity of Pd/PSS-Modified Membranes in the Low Temperature Dry Reforming of Methane with and without Addition of Extra Steam. Membranes, 2021, 11, 518.	1.4	1
9	Combined autothermal and sorption-enhanced reforming of olive mill wastewater for the production of hydrogen: Thermally neutral conditions analysis. International Journal of Hydrogen Energy, 2021, 46, 23629-23641.	3.8	7
10	Process intensification for hydrogen production through glycerol steam reforming. Renewable and Sustainable Energy Reviews, 2021, 146, 111151.	8.2	36
11	High temperature CO2 sorption using mixed oxides with different Mg/Al molar ratios and synthesis pH. Chemical Engineering Journal, 2021, 420, 129731.	6.6	8
12	Doping of hydrotalcite-based sorbents with different interlayer anions for CO2 capture. Separation and Purification Technology, 2020, 235, 116140.	3.9	24
13	Hydrogen and/or syngas production through combined dry and steam reforming of biogas in a membrane reactor: A thermodynamic study. Renewable Energy, 2020, 157, 1254-1264.	4.3	33
14	Glycerol steam reforming for hydrogen production: Traditional versus membrane reactor. International Journal of Hydrogen Energy, 2019, 44, 24719-24732.	3.8	30
15	From sorption-enhanced reactor to sorption-enhanced membrane reactor: A step towards H2 production optimization through glycerol steam reforming. Chemical Engineering Journal, 2019, 368, 795-811.	6.6	28
16	Effect of interlayer anion on the CO2 capture capacity of hydrotalcite-based sorbents. Separation and Purification Technology, 2019, 219, 290-302.	3.9	20
17	Hydrogen production through steam reforming of bio-oils derived from biomass pyrolysis: Thermodynamic analysis including in situ CO2 and/or H2 separation. Fuel, 2019, 244, 184-195.	3.4	54
18	CO2 Methanation over Hydrotalcite-Derived Nickel/Ruthenium and Supported Ruthenium Catalysts. Catalysts, 2019, 9, 1008.	1.6	29

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19	COx free hydrogen production through water-gas shift reaction in different hybrid multifunctional reactors. Chemical Engineering Journal, 2019, 356, 727-736.	6.6	34
20	Low temperature glycerol steam reforming over a Rh-based catalyst combined with oxidative regeneration. International Journal of Hydrogen Energy, 2019, 44, 2461-2473.	3.8	26
21	Dynamic behaviour of a K-doped Ga substituted and microwave aged hydrotalcite-derived mixed oxide during CO2 sorption experiments. Journal of Industrial and Engineering Chemistry, 2019, 72, 491-503.	2.9	18
22	Thermodynamic analysis of olive oil mill wastewater steam reforming. Journal of the Energy Institute, 2019, 92, 1599-1609.	2.7	15
23	A sorptive reactor for CO 2 capture and conversion to renewable methane. Chemical Engineering Journal, 2017, 322, 590-602.	6.6	82
24	Steam reforming of olive oil mill wastewater with in situ hydrogen and carbon dioxide separation â€" Thermodynamic analysis. Fuel, 2017, 207, 449-460.	3.4	24
25	High temperature CO 2 sorption over modified hydrotalcites. Chemical Engineering Journal, 2017, 325, 25-34.	6.6	65
26	Steam reforming of glycerol for hydrogen production: Modeling study. International Journal of Hydrogen Energy, 2016, 41, 1408-1418.	3.8	30
27	Application of Au/TiO2 catalysts in the low-temperature waterâ€"gas shift reaction. International Journal of Hydrogen Energy, 2016, 41, 4670-4681.	3.8	35
28	Autothermal reforming of impure glycerol for H 2 Âproduction: Thermodynamic study including inÂsitu CO 2 and/or H 2 separation. International Journal of Hydrogen Energy, 2016, 41, 2607-2620.	3.8	52
29	Enhancing the low temperature waterâ€"gas shift reaction through a hybrid sorption-enhanced membrane reactor for high-purity hydrogen production. Fuel, 2015, 159, 854-863.	3.4	44
30	Challenges and strategies for optimization of glycerol steam reforming process. Renewable and Sustainable Energy Reviews, 2015, 42, 1187-1213.	8.2	185
31	Direct CO2 hydrogenation to methane or methanol from post-combustion exhaust streams â€" A thermodynamic study. Journal of Natural Gas Science and Engineering, 2015, 22, 1-8.	2.1	115
32	Thermodynamic analysis of Glycerol Steam Reforming for hydrogen production with in situ hydrogen and carbon dioxide separation. Journal of Power Sources, 2015, 273, 423-430.	4.0	67
33	Effect of the preparation method on the catalytic activity and stability of Au/Fe2O3 catalysts in the low-temperature waterâ€"gas shift reaction. Applied Catalysis A: General, 2014, 470, 45-55.	2.2	45
34	Influence of vanadium loading on the activity and selectivity of V/Al0.5Ga0.5PO4 catalysts in the propane ammoxidation. Catalysis Today, 2013, 203, 40-47.	2.2	5
35	Further on the influence of the presence of small amount of N2O in the reactant feed in the catalytic oxidation of methane over supported Rh catalysts. Catalysis Today, 2013, 213, 155-162.	2.2	2
36	Dry reforming of methane using Pd-based membrane reactors fabricated from different substrates. Journal of Membrane Science, 2013, 435, 218-225.	4.1	44

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37	Effect of the nature of TiO_2 support over the performances of Rh/TiO_2 catalysts in the partial oxidation of methane. Catalysis Today, 2013, 203, 158-162.	2.2	32
38	Improving selectivity by the addition of N_2O in the feed during partial oxidation of methane over supported rhodium catalysts. Catalysis Today, 2013, 203, 176-181.	2.2	4
39	Transient studies of low-temperature dry reforming of methane over $Ni\text{-}CaO/ZrO_2\text{-}La_2O_3$. Applied Catalysis B: Environmental, 2013, 129, 450-459.	10.8	120
40	Kinetic analysis of the Ru/SiO_2-catalyzed low temperature methane steam reforming. Applied Catalysis A: General, 2012, 413-414, 366-374.	2.2	15
41	Thermodynamic and experimental study of combined dry and steam reforming of methane on $Ru/ZrO_2\text{-}La_2O_3$ catalyst at low temperature. International Journal of Hydrogen Energy, 2011, 36, 15212-15220.	3.8	129
42	Catalytic steam reforming of methane under conditions of applicability with Pd membranes over supported Ru catalysts. Catalysis Today, 2011, 171, 126-131.	2.2	20
43	Influence of the products of the partial oxidation of methane (POM) on the catalytic performances of Rh/Ti-modified support catalysts. Applied Catalysis A: General, 2011, 394, 245-256.	2.2	12
44	Modifications of porous stainless steel previous to the synthesis of Pd membranes. Studies in Surface Science and Catalysis, 2010, 175, 779-783.	1.5	10
45	Parameters influencing the synergetic effect induced by vanadium incorporation on non-conventional (Al)(Ga)PO supports for the propane ammoxidation. Catalysis Today, 2007, 128, 168-175.	2.2	4
46	Promoter role of V_2O_5 on vanadium supported $Al_{0.5}Ga_{0.5}PO_4$ catalysts during propane ammoxidation. Applied Catalysis A: General, 2007, 325, 296-302.	2.2	9