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List of Publications by Year in descending order

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43 papers	1,123 citations	279487 23 h-index	395343 33 g-index
44 all docs	44 docs citations	44 times ranked	920 citing authors

#	Article	IF	Citations
1	Main Hydrogen Production Processes: An Overview. Catalysts, 2021, 11, 547.	1.6	80
2	Ethanol steam reforming over bimetallic coated ceramic foams: Effect of reactor configuration and catalytic support. International Journal of Hydrogen Energy, 2015, 40, 12650-12662.	3.8	60
3	Rh, Ru and Pt ternary perovskites type oxides BaZr(1-x)MexO3 for methane dry reforming. Applied Catalysis A: General, 2016, 517, 47-55.	2.2	58
4	From bioethanol exploitation to high grade hydrogen generation: Steam reforming promoted by a Co-Pt catalyst in a Pd-based membrane reactor. Renewable Energy, 2018, 119, 834-843.	4.3	55
5	Direct route from ethanol to pure hydrogen through autothermal reforming in a membrane reactor: Experimental demonstration, reactor modelling and design. Energy, 2018, 143, 666-681.	4.5	51
6	Directing selectivity of ethanol steam reforming inÂmembrane reactors. International Journal of Hydrogen Energy, 2015, 40, 5837-5848.	3.8	49
7	Oxidative steam reforming of ethanol on mesoporous silica supported PtNi/CeO2 catalysts. International Journal of Hydrogen Energy, 2017, 42, 1598-1608.	3.8	49
8	Enhancing Pt-Ni/CeO2 performances for ethanol reforming by catalyst supporting on high surface silica. Catalysis Today, 2018, 307, 175-188.	2.2	48
9	Ceramic foams coated with Pt Ni/CeO2ZrO2 for bioethanol steam reforming. International Journal of Hydrogen Energy, 2016, 41, 11526-11536.	3.8	47
10	A Review about the Recent Advances in Selected NonThermal Plasma Assisted Solidâ€“Gas Phase Chemical Processes. Nanomaterials, 2020, 10, 1596.	1.9	39
11	Bioalcohol Reforming: An Overview of the Recent Advances for the Enhancement of Catalyst Stability. Catalysts, 2020, 10, 665.	1.6	39
12	Ptâ€“Ni based catalyst for ethanol reforming in a fluidized bed membrane reactor. International Journal of Hydrogen Energy, 2016, 41, 20122-20136.	3.8	36
13	Platinum Based Catalysts in the Water Gas Shift Reaction: Recent Advances. Metals, 2020, 10, 866.	1.0	33
14	Renewable Hydrogen from Ethanol Reforming over CeO2-SiO2 Based Catalysts. Catalysts, 2017, 7, 226.	1.6	32
15	Influence of Catalytic Formulation and Operative Conditions on Coke Deposition over CeO2-SiO2 Based Catalysts for Ethanol Reforming. Energies, 2017, 10, 1030.	1.6	29
16	Production of hydrogen in a Pd-membrane reactor via catalytic reforming of olive mill wastewater. Chemical Engineering Journal, 2015, 275, 366-373.	6.6	28
17	Kinetic assessment of Ni-based catalysts in low-temperature methane/biogas steam reforming. International Journal of Hydrogen Energy, 2016, 41, 16865-16877.	3.8	28
18	Methane dry reforming on Ru perovskites, AZrRuO3: Influence of preparation method and substitution of A cation with alkaline earth metals. Journal of CO2 Utilization, 2019, 30, 222-231.	3.3	28

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19	Experimental and kinetic study of oxidative steam reforming of ethanol over fresh and spent bimetallic catalysts. Chemical Engineering Journal, 2019, 377, 119778.	6.6	27
20	Highly active and stable Pt-Ni/CeO2-SiO2 catalysts for ethanol reforming. Journal of Cleaner Production, 2017, 166, 263-272.	4.6	26
21	Advanced m-CHP fuel cell system based on a novel bio-ethanol fluidized bed membrane reformer. International Journal of Hydrogen Energy, 2017, 42, 13970-13987.	3.8	24
22	Recent Advances in Structured Catalysts Preparation and Use in Water-Gas Shift Reaction. Catalysts, 2019, 9, 991.	1.6	24
23	Oxidative reforming of ethanol over CeO 2 -SiO 2 based catalysts in a fluidized bed reactor. Chemical Engineering and Processing: Process Intensification, 2018, 124, 319-327.	1.8	23
24	Electrified Hydrogen Production from Methane for PEM Fuel Cells Feeding: A Review. Energies, 2022, 15, 3588.	1.6	21
25	Catalytic reforming of olive mill wastewater and methane in a Pd-membrane reactor. International Journal of Hydrogen Energy, 2016, 41, 5465-5474.	3.8	20
26	Oxidative steam reforming of ethanol in a fluidized bed over CeO2-SiO2 supported catalysts: effect of catalytic formulation. Renewable Energy, 2018, 125, 356-364.	4.3	20
27	Hydrogen production by oxidative reforming of ethanol in a fluidized bed reactor using a Pt Ni/CeO2SiO2 catalyst. International Journal of Hydrogen Energy, 2019, 44, 12661-12670.	3.8	18
28	The Route from Green H2 Production through Bioethanol Reforming to CO2 Catalytic Conversion: A Review. Energies, 2022, 15, 2383.	1.6	16
29	Kinetics of Oxidative Steam Reforming of Ethanol Over Bimetallic Catalysts Supported on CeO2â€“SiO2: A Comparative Study. Topics in Catalysis, 2019, 62, 467-478.	1.3	15
30	State of the Art of Conventional Reactors for Methanol Production. , 2018, , 29-51.		14
31	Stability of bimetallic Ni/CeO2â€“SiO2 catalysts during fuel grade bioethanol reforming in a fluidized bed reactor. Renewable Energy, 2022, 182, 913-922.	4.3	14
32	Pt/Re/CeO2 Based Catalysts for CO-Waterâ€“Gas Shift Reaction: from Powders to Structured Catalyst. Catalysts, 2020, 10, 564.	1.6	13
33	Ceria-coated replicated aluminium sponges as catalysts for the CO-water gas shift process. International Journal of Hydrogen Energy, 2021, 46, 12158-12168.	3.8	12
34	Catalytic Behavior of Co-Based Catalysts in the Kinetic Study of Acetic Acid Steam Reforming. Industrial & Engineering Chemistry Research, 2020, 59, 19531-19538.	1.8	11
35	Detailed kinetic mechanism for the hydrogen production via the oxidative reforming of ethanol. Chemical Engineering Science, 2021, 237, 116591.	1.9	8
36	Experimental study of the oxidative steam reforming of fuel grade bioethanol over Ptâ€“Ni metallic foam structured catalysts. International Journal of Hydrogen Energy, 2023, 48, 11943-11955.	3.8	7

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37	Membrane reactors for H2 and energy production. , 2020, , 33-56.		4
38	On the Support Effect and the Cr Promotion of Co Based Catalysts for the Acetic Acid Steam Reforming. Catalysts, 2021, 11, 133.	1.6	4
39	Fuel grade bioethanol reforming in a fluidized bed reactor over highly durable Pt-Ni/CeO2-SiO2 catalysts. Chemical Engineering and Processing: Process Intensification, 2022, 174, 108888.	1.8	4
40	Ultracompact biofuels catalytic reforming processes for distributed renewable hydrogen production. Studies in Surface Science and Catalysis, 2020, 179, 317-333.	1.5	3
41	Catalysts for Sustainable Hydrogen Production: Preparation, Applications and Process Integration. Catalysts, 2022, 12, 322.	1.6	3
42	General catalyst-related issues. , 2020, , 303-324.		2
43	Noble Metals-Based Catalysts for Hydrogen Production via Bioethanol Reforming in a Fluidized Bed Reactor. , 0, , .		1