

Salvatore Freni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6557398/publications.pdf>

Version: 2024-02-01

38
papers

3,028
citations

236912

25
h-index

345203

36
g-index

38
all docs

38
docs citations

38
times ranked

2399
citing authors

#	ARTICLE	IF	CITATIONS
1	H ₂ production for MC fuel cell by steam reforming of ethanol over MgO supported Pd, Rh, Ni and Co catalysts. Catalysis Communications, 2004, 5, 611-615.	3.3	284
2	Performance of Rh/Al ₂ O ₃ catalyst in the steam reforming of ethanol: H ₂ production for MCFC. Applied Catalysis A: General, 2003, 249, 119-128.	4.3	236
3	Hydrogen production from methane through catalytic partial oxidation reactions. Journal of Power Sources, 2000, 87, 28-38.	7.8	190
4	Technology up date and new strategies on fuel cells. Journal of Power Sources, 2001, 100, 67-79.	7.8	182
5	Production of hydrogen for MC fuel cell by steam reforming of ethanol over MgO supported Ni and Co catalysts. Catalysis Communications, 2003, 4, 259-268.	3.3	182
6	Steam and auto-thermal reforming of bio-ethanol over MgO and CeO ₂ /CeO ₂ Ni supported catalysts. International Journal of Hydrogen Energy, 2006, 31, 2193-2199.	7.1	168
7	Hydrogen production by auto-thermal reforming of ethanol on Rh/Al ₂ O ₃ catalyst. Journal of Power Sources, 2003, 123, 10-16.	7.8	165
8	Ethanol steam reforming in a molten carbonate fuel cell. A preliminary kinetic investigation. International Journal of Hydrogen Energy, 1996, 21, 465-469.	7.1	132
9	Synthesis and characterization of proton-conducting materials containing dodecatungstophosphoric and dodecatungstosilic acid supported on silica. Journal of Power Sources, 1999, 79, 250-255.	7.8	132
10	Hydrogen produced from ethanol for internal reforming molten carbonate fuel cell. Journal of Power Sources, 2001, 102, 198-204.	7.8	127
11	Catalytic features of Rh and Ni supported catalysts in the steam reforming of glycerol to produce hydrogen. Applied Catalysis A: General, 2010, 381, 1-7.	4.3	127
12	Steam reforming of ethanol on Ni/MgO catalysts: H ₂ production for MCFC. Journal of Power Sources, 2002, 108, 53-57.	7.8	116
13	Surface-dependent oxidation of H ₂ on CeO ₂ surfaces. Journal of Catalysis, 2013, 297, 193-201.	6.2	109
14	Bio-ethanol, a suitable fuel to produce hydrogen for a molten carbonate fuel cell. Journal of Power Sources, 2007, 173, 200-209.	7.8	97
15	Ethanol steam reforming in a molten carbonate fuel cell: a thermodynamic approach. Journal of Power Sources, 1996, 62, 67-73.	7.8	89
16	Pyrolysis of different biomass: Direct comparison among Posidonia Oceanica, Lacustrine Alga and White-Pine. Fuel, 2016, 164, 220-227.	6.4	84
17	Rh based catalysts for indirect internal reforming ethanol applications in molten carbonate fuel cells. Journal of Power Sources, 2001, 94, 14-19.	7.8	83
18	Performance of a Solid Oxide Fuel Cell short-stack with biogas feeding. Applied Energy, 2014, 125, 254-263.	10.1	80

#	ARTICLE	IF	CITATIONS
19	Potassium improved stability of Ni/MgO in the steam reforming of ethanol for the production of hydrogen for MCFC. <i>Journal of Power Sources</i> , 2004, 132, 139-144.	7.8	72
20	Biogas reforming process investigation for SOFC application. <i>Energy Conversion and Management</i> , 2015, 98, 252-258.	9.2	63
21	Ethanol auto-thermal reforming on rhodium catalysts and initial steps simulation on single crystals under UHV conditions. <i>Applied Catalysis A: General</i> , 2005, 281, 139-147.	4.3	54
22	Hydrogen from oxygenated solvents by steam reforming on Ni/Al ₂ O ₃ catalyst. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6627-6634.	7.1	46
23	Hydrogen production from ethanol on Rh/MgO based catalysts The influence of rhodium precursor on catalytic performance. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 3335-3342.	7.1	37
24	Alkali effect on the MCFC-internal reforming catalyst life. <i>International Journal of Hydrogen Energy</i> , 1992, 17, 181-186.	7.1	26
25	Initial steps in the production of H ₂ from ethanol: A FT-IR study of adsorbed species on Ni/MgO catalyst surface. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 90, 117-126.	0.6	26
26	Mass and energy balances in a molten-carbonate fuel cell with internal reforming. <i>Journal of Power Sources</i> , 1992, 39, 203-214.	7.8	19
27	Lifetime-limiting factors for a molten carbonate fuel cell. <i>International Journal of Hydrogen Energy</i> , 1994, 19, 337-341.	7.1	19
28	Analysis of biogas reforming process for molten carbonate fuel cells. <i>Journal of Power Sources</i> , 2012, 206, 215-221.	7.8	19
29	Ethanol and dimethyl ether steam reforming on Rh/Al ₂ O ₃ catalysts for high-temperature fuel-cell feeds. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 104, 75-87.	1.7	13
30	MCFC integrated system in a biodiesel production process. <i>Journal of Power Sources</i> , 2011, 196, 2691-2698.	7.8	13
31	Molten carbonate fuel cell with indirect internal reforming. <i>Journal of Power Sources</i> , 1994, 52, 41-47.	7.8	10
32	Experimental evaluation on the CO ₂ separation process supported by polymeric membranes. <i>Materials Letters</i> , 2004, 58, 1865-1872.	2.6	10
33	Structural modifications of a spent molten carbonate fuel cell. <i>Journal of Applied Electrochemistry</i> , 1990, 20, 804-810.	2.9	6
34	Performance and endurance of a molten carbonate fuel cell at 923 K. <i>International Journal of Hydrogen Energy</i> , 1989, 14, 339-343.	7.1	4
35	Oxidative conversion of CH ₄ on Ni and Ag electrode-catalysts in molten carbonate fuel cell reactor. <i>Catalysis Letters</i> , 1993, 17, 213-221.	2.6	4
36	Ethanol Steam Reforming in a Two-Step Process. Short-Time Feasibility Tests. <i>Energy & Fuels</i> , 2013, 27, 1570-1575.	5.1	4

#	ARTICLE	IF	CITATIONS
37	Solar energy storage for zootechnic applications. Applied Energy, 1986, 25, 309-314.	10.1	0
38	Thermal energy recovery and storage by a sulphuric acid-water process. Resources and Conservation, 1987, 15, 191-203.	0.1	0