

# Stefano Cavallaro

## List of Publications by Year in descending order

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27  
papers

2,192  
citations

394421

19  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1603  
citing authors

#	ARTICLE	IF	CITATIONS
1	H <sub>2</sub> production for MC fuel cell by steam reforming of ethanol over MgO supported Pd, Rh, Ni and Co catalysts. <i>Catalysis Communications</i> , 2004, 5, 611-615.	3.3	284
2	Performance of Rh/Al <sub>2</sub> O <sub>3</sub> catalyst in the steam reforming of ethanol: H <sub>2</sub> production for MCFC. <i>Applied Catalysis A: General</i> , 2003, 249, 119-128.	4.3	236
3	Hydrogen production from methane through catalytic partial oxidation reactions. <i>Journal of Power Sources</i> , 2000, 87, 28-38.	7.8	190
4	Production of hydrogen for MC fuel cell by steam reforming of ethanol over MgO supported Ni and Co catalysts. <i>Catalysis Communications</i> , 2003, 4, 259-268.	3.3	182
5	Steam and auto-thermal reforming of bio-ethanol over MgO and CeO <sub>2</sub> /CeO <sub>2</sub> Ni supported catalysts. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 2193-2199.	7.1	168
6	Hydrogen production by auto-thermal reforming of ethanol on Rh/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Journal of Power Sources</i> , 2003, 123, 10-16.	7.8	165
7	Ethanol steam reforming in a molten carbonate fuel cell. A preliminary kinetic investigation. <i>International Journal of Hydrogen Energy</i> , 1996, 21, 465-469.	7.1	132
8	Hydrogen produced from ethanol for internal reforming molten carbonate fuel cell. <i>Journal of Power Sources</i> , 2001, 102, 198-204.	7.8	127
9	Steam reforming of ethanol on Ni/MgO catalysts: H <sub>2</sub> production for MCFC. <i>Journal of Power Sources</i> , 2002, 108, 53-57.	7.8	116
10	Ethanol steam reforming in a molten carbonate fuel cell: a thermodynamic approach. <i>Journal of Power Sources</i> , 1996, 62, 67-73.	7.8	89
11	Transiting from Adipic Acid to Bioadipic Acid. 1, Petroleum-Based Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 1-46.	3.7	86
12	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
13	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
14	Hydrogen from oxygenated solvents by steam reforming on Ni/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6627-6634.	7.1	46
15	Transiting from Adipic Acid to Bioadipic Acid. Part II. Biosynthetic Pathways. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 567-576.	3.7	45
16	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
17	Solid-state luminescence switching of platinum(ii) dithioamide complexes in the presence of hydrogen halide and amine gases. <i>Chemical Communications</i> , 2007, , 4740.	4.1	35
18	Alkali effect on the MCFC-internal reforming catalyst life. <i>International Journal of Hydrogen Energy</i> , 1992, 17, 181-186.	7.1	26

#	ARTICLE	IF	CITATIONS
19	Initial steps in the production of H <sub>2</sub> 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
20	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
21	Lifetime-limiting factors for a molten carbonate fuel cell. <i>International Journal of Hydrogen Energy</i> , 1994, 19, 337-341.	7.1	19
22	Ethanol and dimethyl ether steam reforming on Rh/Al <sub>2</sub> O <sub>3</sub> catalysts for high-temperature fuel-cell feeds. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 104, 75-87.	1.7	13
23	Experimental evaluation on the CO <sub>2</sub> separation process supported by polymeric membranes. <i>Materials Letters</i> , 2004, 58, 1865-1872.	2.6	10
24	Structural modifications of a spent molten carbonate fuel cell. <i>Journal of Applied Electrochemistry</i> , 1990, 20, 804-810.	2.9	6
25	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
26	Ethanol Steam Reforming in a Two-Step Process. Short-Time Feasibility Tests. <i>Energy &amp; Fuels</i> , 2013, 27, 1570-1575.	5.1	4
27	Structural characterization of monomeric and oligomeric arylamides by solution and solid-state NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 219-224.	1.9	1