Stefano Cimino

List of Publications by Year
in descending order

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84 papers	3,376 citations	147786 31 h-index	149686 56 g-index
84 all docs	84 docs citations	84 times ranked	3506 citing authors

#	Article	IF	Citations
1	Fuel-rich methane combustion over Rh-LaMnO3 honeycomb catalysts. Catalysis Today, 2010, 155, 27-34.	4.4	268
2	AFeO3 (A=La, Nd, Sm) and LaFe1â^'xMgxO3 perovskites as methane combustion and CO oxidation catalysts: structural, redox and catalytic properties. Applied Catalysis B: Environmental, 2001, 29, 239-250.	20.2	226
3	La, Ca and Fe oxide perovskites: preparation, characterization and catalytic properties for methane combustion. Applied Catalysis B: Environmental, 2001, 33, 193-203.	20.2	220
4	AMnO3 (A=La, Nd, Sm) and Sm1â^'xSrxMnO3 perovskites as combustion catalysts: structural, redox and catalytic properties. Applied Catalysis B: Environmental, 2000, 24, 243-253.	20.2	169
5	Methane combustion on perovskites-based structured catalysts. Catalysis Today, 2000, 59, 19-31.	4.4	129
6	Methane Combustion and CO Oxidation on Zirconia-Supported La, Mn Oxides and LaMnO3 Perovskite. Journal of Catalysis, 2002, 205, 309-317.	6.2	122
7	ZnO-CuO supported on activated carbon for H2S removal at room temperature. Chemical Engineering Journal, 2016, 304, 399-407.	12.7	109
8	Methane combustion and CO oxidation on LaAl1â^'xMnxO3 perovskite-type oxide solid solutions. Applied Catalysis B: Environmental, 2003, 43, 397-406.	20.2	98
9	Synergic effect of Zn and Cu oxides dispersed on activated carbon during reactive adsorption of H2S at room temperature. Microporous and Mesoporous Materials, 2018, 257, 135-146.	4.4	78
10	Role of sulfur and nitrogen surface groups in adsorption of formaldehyde on nanoporous carbons. Carbon, 2018, 138, 283-291.	10.3	74
11	Effect of alkali promoters (Li, Na, K) on the performance of Ru/Al2O3 catalysts for CO2 capture and hydrogenation to methane. Journal of CO2 Utilization, 2020, 37, 195-203.	6.8	72
12	AFeO3 (A=La, Nd, Sm) and LaFe1â^'xMgxO3 perovskites: structural and redox properties. Materials Chemistry and Physics, 2001, 71, 165-173.	4.0	69
13	CO oxidation and methane combustion on LaAl1â^'xFexO3 perovskite solid solutions. Applied Catalysis B: Environmental, 2002, 37, 231-241.	20.2	69
14	Low temperature SCR on supported MnOx catalysts for marine exhaust gas cleaning: Effect of KCl poisoning. Chemical Engineering Journal, 2016, 283, 223-230.	12.7	68
15	Thermal Stability of Perovskite-Based Monolithic Reactors in the Catalytic Combustion of Methane. Industrial & Engineering Chemistry Research, 2001, 40, 80-85.	3.7	66
16	Zirconia supported LaMnO3 monoliths for the catalytic combustion of methane. Applied Catalysis B: Environmental, 2002, 35, 243-254.	20.2	63
17	Characterization of a regenerable sorbent for high temperature elemental mercury capture from flue gas. Fuel, 2013, 108, 13-18.	6.4	56
18	Elemental mercury capture and oxidation by a regenerable manganese-based sorbent: The effect of gas composition. Chemical Engineering Journal, 2015, 278, 134-139.	12.7	52

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19	Wrinkled Silica Nanoparticles: Efficient Matrix for Î²-Glucosidase Immobilization. Journal of Physical Chemistry C, 2018, 122, 8373-8379.	3.1	48
20	Pdâ€“LaMnO3 as dual site catalysts for methane combustion. Applied Catalysis A: General, 2007, 327, 238-246.	4.3	45
21	Sulphur poisoning of alumina supported Rh catalyst during dry reforming of methane. Catalysis Today, 2016, 277, 126-132.	4.4	42
22	Mesoporous silica nanoparticles for Î²-glucosidase immobilization by templating with a green material: Tannic acid. Microporous and Mesoporous Materials, 2020, 302, 110203.	4.4	42
23	Insights into the cyclic CO2 capture and catalytic methanation over highly performing Li-Ru/Al2O3 dual function materials. Chemical Engineering Journal, 2022, 428, 131275.	12.7	42
24	Development of a dual functional structured catalyst for partial oxidation of methane to syngas. Catalysis Today, 2005, 105, 718-723.	4.4	41
25	Transient behaviour of perovskite-based monolithic reactors in the catalytic combustion of methane. Catalysis Today, 2001, 69, 95-103.	4.4	38
26	Rhâ€“La(Mn,Co)O3 monolithic catalysts for the combustion of methane under fuel-rich conditions. Catalysis Today, 2006, 117, 454-461.	4.4	37
27	Catalysts for conversion of ethanol to butanol: Effect of acid-base and redox properties. Catalysis Today, 2018, 304, 58-63.	4.4	37
28	Hybrid humic acid/titanium dioxide nanomaterials as highly effective antimicrobial agents against gram(â˜) pathogens and antibiotic contaminants in wastewater. Environmental Research, 2021, 193, 110562.	7.5	36
29	CO, H2 or C3H8 assisted catalytic combustion of methane over supported LaMnO3 monoliths. Catalysis Today, 2003, 83, 33-43.	4.4	35
30	Alumina supported Pt(1%)/Ce0.6Zr0.4O2 monolith: Remarkable stabilization of ceriaâ€“zirconia solution towards CeAlO3 formation operated by Pt under redox conditions. Applied Catalysis B: Environmental, 2009, 90, 470-477.	20.2	35
31	Effect of partial substitution of Rh catalysts with Pt or Pd during the partial oxidation of methane in the presence of sulphur. Catalysis Today, 2010, 154, 283-292.	4.4	32
32	Combined poisoning effect of K+ and its counter-ion (Clâ˜ or NO3â˜) on MnOx/TiO2 catalyst during the low temperature NH3-SCR of NO. Chemical Engineering Journal, 2017, 330, 92-101.	12.7	30
33	Hydrogen production by photoreforming of formic acid in aqueous copper/TiO2 suspensions under UV-simulated solar radiation at room temperature. International Journal of Hydrogen Energy, 2013, 38, 9644-9654.	7.1	29
34	Removal of Elemental Mercury by MnO_x Catalysts Supported on TiO₂ or Al₂O₃. Industrial & Engineering Chemistry Research, 2016, 55, 5133-5138.	3.7	29
35	Sulphur inhibition on the catalytic partial oxidation of methane over Rh-based monolith catalysts. Applied Catalysis A: General, 2009, 360, 43-49.	4.3	28
36	Poisoning of SCR Catalysts by Alkali and Alkaline Earth Metals. Catalysts, 2020, 10, 1475.	3.5	27

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37	Catalytic partial oxidation of methane over nanosized Rh supported on Fecralloy foams. International Journal of Hydrogen Energy, 2014, 39, 11473-11485.	7.1	26
38	Impact of Sulfur Poisoning on the Catalytic Partial Oxidation of Methane on Rhodium-Based Catalysts. Industrial & Engineering Chemistry Research, 2012, 51, 7459-7466.	3.7	25
39	Catalytic combustion of methanol on Ptâ€“Fecralloy foams prepared by electrodeposition. Chemical Engineering Journal, 2016, 285, 276-285.	12.7	25
40	Effect of phosphorous addition to Rh-supported catalysts for the dry reforming of methane. International Journal of Hydrogen Energy, 2017, 42, 23587-23598.	7.1	25
41	The effect of pore morphology on the catalytic performance of Î²-glucosidase immobilized into mesoporous silica. Pure and Applied Chemistry, 2019, 91, 1583-1592.	1.9	25
42	Dual-Site Pd/Perovskite Monolithic Catalysts for Methane Catalytic Combustion. Industrial & Engineering Chemistry Research, 2004, 43, 6670-6679.	3.7	24
43	The effect of support morphology on the reaction of oxidative dehydrogenation of ethane to ethylene at short contact times. Catalysis Today, 2005, 105, 551-559.	4.4	24
44	Olefins production by catalytic partial oxidation of ethane and propane over Pt/LaMnO3 catalyst. Catalysis Today, 2010, 157, 310-314.	4.4	24
45	Oxidation of CO and CH4 on Pdâ€“Fecralloy foam catalysts prepared by spontaneous deposition. Chemical Engineering Journal, 2013, 230, 422-431.	12.7	24
46	Highlighting the effect of the support during H2S adsorption at low temperature over composite Zn-Cu sorbents. Fuel, 2018, 221, 374-379.	6.4	24
47	Role of H2O and O2 during the reactive adsorption of H2S on CuO-ZnO/activated carbon at low temperature. Microporous and Mesoporous Materials, 2020, 295, 109949.	4.4	24
48	Catalytic partial oxidation of CH4â€“H2 mixtures over Ni foams modified with Rh and Pt. International Journal of Hydrogen Energy, 2012, 37, 17040-17051.	7.1	23
49	Sulphur tolerance of a P-doped Rh/Î³-Al2O3 catalyst during the partial oxidation of methane to syngas. Applied Catalysis B: Environmental, 2013, 138-139, 342-352.	20.2	22
50	Autothermal Oxidative Dehydrogenation of Ethane on LaMnO3- and Pt-Based Monoliths:â€‰ H2 and CO Addition. Industrial & Engineering Chemistry Research, 2005, 44, 285-295.	3.7	21
51	Sulfur tolerance and self-regeneration mechanism of Na-Ru/Al2O3 dual function material during the cyclic CO2 capture and catalytic methanation. Applied Catalysis B: Environmental, 2022, 317, 121705.	20.2	21
52	Catalytic combustion of methanol over La, Mn-hexaaluminate catalysts. Fuel Processing Technology, 2015, 133, 1-7.	7.2	20
53	Crossing the breakthrough line of ethylene production by short contact time catalytic partial oxidation. Catalysis Today, 2005, 106, 72-76.	4.4	19
54	Optimization of Ethylene Production via Catalytic Partial Oxidation of Ethane on Ptâ€“LaMnO3 Catalyst. Catalysis Letters, 2008, 122, 228-237.	2.6	19

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55	Me-ZSM-5 monolith foams for the NH 3 -SCR of NO. Catalysis Today, 2018, 304, 112-118.	4.4	19
56	Ni or Ru supported on MgO/Î³-Al₂O₃ pellets for the catalytic conversion of ethanol into butanol. RSC Advances, 2018, 8, 25846-25855.	3.6	18
57	Chromium-based MIL-101 metal organic framework as a fully regenerable D4 adsorbent for biogas purification. Renewable Energy, 2019, 138, 230-235.	8.9	18
58	Olefins via catalytic partial oxidation of light alkanes over Pt/LaMnO 3 monoliths. Chemical Engineering Journal, 2012, 207-208, 473-480.	12.7	16
59	Catalyst Deactivation, Poisoning and Regeneration. Catalysts, 2019, 9, 668.	3.5	16
60	H2S catalytic removal at low temperature over Cu- and Mg- activated carbon honeycombs. Catalysis Today, 2022, 390-391, 221-229.	4.4	16
61	The Effect of Support on Sulphur Tolerance of Rh Based Catalysts for Methane Partial Oxidation. Catalysis Letters, 2009, 127, 260-269.	2.6	15
62	A Case Study for the Deactivation and Regeneration of a V2O5-WO3/TiO2 Catalyst in a Tail-End SCR Unit of a Municipal Waste Incineration Plant. Catalysts, 2019, 9, 464.	3.5	15
63	Ru/Ce/Ni Metal Foams as Structured Catalysts for the Methanation of CO2. Catalysts, 2021, 11, 13.	3.5	15
64	Effect of sulphur during the catalytic partial oxidation of ethane over Rh and Pt honeycomb catalysts. International Journal of Hydrogen Energy, 2012, 37, 10680-10689.	7.1	14
65	MgO Dispersed on Activated Carbon as Water Tolerant Catalyst for the Conversion of Ethanol into Butanol. Applied Sciences (Switzerland), 2019, 9, 1371.	2.5	13
66	Performance and Stability of Metal (Co, Mn, Cu)-Promoted La2O2SO4 Oxygen Carrier for Chemical Looping Combustion of Methane. Catalysts, 2019, 9, 147.	3.5	12
67	LaNi1-xCoxO3 perovskites for methane combustion by chemical looping. Fuel, 2021, 292, 120187.	6.4	12
68	Temperature excursions during the transient behaviour of high temperature catalytic combustion monoliths. Catalysis Today, 2003, 83, 171-182.	4.4	11
69	Electrochemical preparation of nanostructured CeO 2 -Pt catalysts on Fe-Cr-Al alloy foams for the low-temperature combustion of methanol. Chemical Engineering Journal, 2017, 317, 551-560.	12.7	11
70	Highly stable coreâ€“shell Pt-CeO2 nanoparticles electrochemically deposited onto Fecralloy foam reactors for the catalytic oxidation of CO. Journal of Industrial and Engineering Chemistry, 2018, 66, 404-410.	5.8	10
71	Cu/ZSM5-Geopolymer 3D-Printed Monoliths for the NH3-SCR of NOx. Catalysts, 2021, 11, 1212.	3.5	10
72	Effect of catalyst formulation (Rh, Rhâ€“Pt) on the performance of a natural gas hybrid catalytic burner. Catalysis Today, 2011, 171, 72-78.	4.4	9

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73	Chemical looping oxygen transfer properties of Cu-doped lanthanum oxysulphate. International Journal of Hydrogen Energy, 2015, 40, 2047-2054.	7.1	9
74	Combined mercury removal and low-temperature NH₃-SCR OF NO with MnO_x/TiO₂ sorbents/catalysts. Combustion Science and Technology, 2018, 190, 1488-1499.	2.3	9
75	Development of a Hybrid Catalytic Gas Burner. Combustion Science and Technology, 2010, 182, 380-391.	2.3	7
76	Preparation of 3D electrocatalysts and catalysts for gas-phase reactions, through electrodeposition or galvanic displacement. Journal of Applied Electrochemistry, 2015, 45, 715-725.	2.9	7
77	Ethane catalytic partial oxidation to ethylene with sulphur and hydrogen addition over Rh and Pt honeycombs. Catalysis Today, 2014, 228, 131-137.	4.4	6
78	Synthesis and Characterization of Activated Carbon Foam from Polymerization of Furfuryl Alcohol Activated by Zinc and Copper Chlorides. Journal of Carbon Research, 2020, 6, 45.	2.7	6
79	Synergic Effect of Mixed ZnO and CuO Nanoparticles Supported on Activated Carbon for H₂S Adsorption at Room Temperature. Advanced Science Letters, 2017, 23, 5879-5882.	0.2	4
80	Hybrid Catalytic Combustion of Methane/Hydrogen Mixtures. Combustion Science and Technology, 2014, 186, 552-562.	2.3	1
81	Carbon Dioxide Capture by Adsorption on Amine Incorporated Hexagonal Mesoporous Silica. Advanced Science Letters, 2017, 23, 5903-5905.	0.2	1
82	Rh-Based Catalysts for Dry Reforming of Methane: Effect of Promoter on Aluminum Oxide Support. Advanced Science Letters, 2017, 23, 5889-5891.	0.2	0
83	COMPARATIVE ANALYSIS ON MONOLITHIC DENOX CATALYSTS. WIT Transactions on Ecology and the Environment, 2018, , .	0.0	0
84	Development of High Temperature Catalytic Reactors for Oxidative Conversion of Natural Gas. , 2005, , 377-382.		0