

# Stefano Cimino

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

2,665  
citations

27  
h-index

49  
g-index

84  
ext. papers

2,992  
ext. citations

7.7  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
81	Fuel-rich methane combustion over Rh-LaMnO <sub>3</sub> honeycomb catalysts. <i>Catalysis Today</i> , <b>2010</b> , 155, 27-34	5.3	219
80	AFeO <sub>3</sub> (A=La, Nd, Sm) and LaFe <sub>1-x</sub> Mg <sub>x</sub> O <sub>3</sub> perovskites as methane combustion and CO oxidation catalysts: structural, redox and catalytic properties. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 29, 239-250	21.8	196
79	La, Ca and Fe oxide perovskites: preparation, characterization and catalytic properties for methane combustion. <i>Applied Catalysis B: Environmental</i> , <b>2001</b> , 33, 193-203	21.8	188
78	AMnO <sub>3</sub> (A=La, Nd, Sm) and Sm <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> perovskites as combustion catalysts: structural, redox and catalytic properties. <i>Applied Catalysis B: Environmental</i> , <b>2000</b> , 24, 243-253	21.8	149
77	Methane combustion on perovskites-based structured catalysts. <i>Catalysis Today</i> , <b>2000</b> , 59, 19-31	5.3	119
76	Methane Combustion and CO Oxidation on Zirconia-Supported La, Mn Oxides and LaMnO <sub>3</sub> Perovskite. <i>Journal of Catalysis</i> , <b>2002</b> , 205, 309-317	7.3	106
75	Methane combustion and CO oxidation on LaAl <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> perovskite-type oxide solid solutions. <i>Applied Catalysis B: Environmental</i> , <b>2003</b> , 43, 397-406	21.8	86
74	ZnO-CuO supported on activated carbon for H <sub>2</sub> S removal at room temperature. <i>Chemical Engineering Journal</i> , <b>2016</b> , 304, 399-407	14.7	77
73	Thermal Stability of Perovskite-Based Monolithic Reactors in the Catalytic Combustion of Methane. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2001</b> , 40, 80-85	3.9	66
72	Low temperature SCR on supported MnO <sub>x</sub> catalysts for marine exhaust gas cleaning: Effect of KCl poisoning. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 223-230	14.7	63
71	Zirconia supported LaMnO <sub>3</sub> monoliths for the catalytic combustion of methane. <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 35, 243-254	21.8	58
70	CO oxidation and methane combustion on LaAl <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> perovskite solid solutions. <i>Applied Catalysis B: Environmental</i> , <b>2002</b> , 37, 231-241	21.8	58
69	AFeO <sub>3</sub> (A=La, Nd, Sm) and LaFe <sub>1-x</sub> Mg <sub>x</sub> O <sub>3</sub> perovskites: structural and redox properties. <i>Materials Chemistry and Physics</i> , <b>2001</b> , 71, 165-173	4.4	57
68	Characterization of a regenerable sorbent for high temperature elemental mercury capture from flue gas. <i>Fuel</i> , <b>2013</b> , 108, 13-18	7.1	52
67	Synergic effect of Zn and Cu oxides dispersed on activated carbon during reactive adsorption of H <sub>2</sub> S at room temperature. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 257, 135-146	5.3	49
66	Role of sulfur and nitrogen surface groups in adsorption of formaldehyde on nanoporous carbons. <i>Carbon</i> , <b>2018</b> , 138, 283-291	10.4	46
65	Elemental mercury capture and oxidation by a regenerable manganese-based sorbent: The effect of gas composition. <i>Chemical Engineering Journal</i> , <b>2015</b> , 278, 134-139	14.7	45

64	Development of a dual functional structured catalyst for partial oxidation of methane to syngas. <i>Catalysis Today</i> , <b>2005</b> , 105, 718-723	5.3	40
63	PdLaMnO <sub>3</sub> as dual site catalysts for methane combustion. <i>Applied Catalysis A: General</i> , <b>2007</b> , 327, 238-246	5.1	38
62	Transient behaviour of perovskite-based monolithic reactors in the catalytic combustion of methane. <i>Catalysis Today</i> , <b>2001</b> , 69, 95-103	5.3	36
61	Wrinkled Silica Nanoparticles: Efficient Matrix for $\alpha$ -Glucosidase Immobilization. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 8373-8379	3.8	34
60	RhLa(Mn,Co)O <sub>3</sub> monolithic catalysts for the combustion of methane under fuel-rich conditions. <i>Catalysis Today</i> , <b>2006</b> , 117, 454-461	5.3	32
59	Effect of partial substitution of Rh catalysts with Pt or Pd during the partial oxidation of methane in the presence of sulphur. <i>Catalysis Today</i> , <b>2010</b> , 154, 283-292	5.3	31
58	CO, H <sub>2</sub> or C <sub>3</sub> H <sub>8</sub> assisted catalytic combustion of methane over supported LaMnO <sub>3</sub> monoliths. <i>Catalysis Today</i> , <b>2003</b> , 83, 33-43	5.3	31
57	Effect of alkali promoters (Li, Na, K) on the performance of Ru/Al <sub>2</sub> O <sub>3</sub> catalysts for CO <sub>2</sub> capture and hydrogenation to methane. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2020</b> , 37, 195-203	7.6	31
56	Sulphur poisoning of alumina supported Rh catalyst during dry reforming of methane. <i>Catalysis Today</i> , <b>2016</b> , 277, 126-132	5.3	29
55	Alumina supported Pt(1%)/Ce <sub>0.6</sub> Zr <sub>0.4</sub> O <sub>2</sub> monolith: Remarkable stabilization of ceria/zirconia solution towards CeAlO <sub>3</sub> formation operated by Pt under redox conditions. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 90, 470-477	21.8	28
54	Mesoporous silica nanoparticles for $\alpha$ -glucosidase immobilization by templating with a green material: Tannic acid. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 302, 110203	5.3	26
53	Catalysts for conversion of ethanol to butanol: Effect of acid-base and redox properties. <i>Catalysis Today</i> , <b>2018</b> , 304, 58-63	5.3	26
52	Removal of Elemental Mercury by MnO <sub>x</sub> Catalysts Supported on TiO <sub>2</sub> or Al <sub>2</sub> O <sub>3</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2016</b> , 55, 5133-5138	3.9	25
51	Combined poisoning effect of K <sup>+</sup> and its counter-ion (Cl <sup>-</sup> NO <sub>3</sub> <sup>-</sup> ) on MnO <sub>x</sub> /TiO <sub>2</sub> catalyst during the low temperature NH <sub>3</sub> -SCR of NO. <i>Chemical Engineering Journal</i> , <b>2017</b> , 330, 92-101	14.7	24
50	Sulphur inhibition on the catalytic partial oxidation of methane over Rh-based monolith catalysts. <i>Applied Catalysis A: General</i> , <b>2009</b> , 360, 43-49	5.1	24
49	Hydrogen production by photoreforming of formic acid in aqueous copper/TiO <sub>2</sub> suspensions under UV-simulated solar radiation at room temperature. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 9644-9654	6.7	23
48	Catalytic partial oxidation of methane over nanosized Rh supported on Fecralloy foams. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 11473-11485	6.7	22
47	Dual-Site Pd/Perovskite Monolithic Catalysts for Methane Catalytic Combustion. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2004</b> , 43, 6670-6679	3.9	22

46	The effect of support morphology on the reaction of oxidative dehydrogenation of ethane to ethylene at short contact times. <i>Catalysis Today</i> , <b>2005</b> , 105, 551-559	5.3	22
45	Oxidation of CO and CH <sub>4</sub> on Pd/Bi-catalloy foam catalysts prepared by spontaneous deposition. <i>Chemical Engineering Journal</i> , <b>2013</b> , 230, 422-431	14.7	21
44	Effect of phosphorous addition to Rh-supported catalysts for the dry reforming of methane. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23587-23598	6.7	21
43	Impact of Sulfur Poisoning on the Catalytic Partial Oxidation of Methane on Rhodium-Based Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 7459-7466	3.9	21
42	Catalytic partial oxidation of CH <sub>4</sub> /H <sub>2</sub> mixtures over Ni foams modified with Rh and Pt. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 17040-17051	6.7	21
41	Sulphur tolerance of a P-doped Rh/Al <sub>2</sub> O <sub>3</sub> catalyst during the partial oxidation of methane to syngas. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 342-352	21.8	20
40	Olefins production by catalytic partial oxidation of ethane and propane over Pt/LaMnO <sub>3</sub> catalyst. <i>Catalysis Today</i> , <b>2010</b> , 157, 310-314	5.3	20
39	Catalytic combustion of methanol on Pt/Bi-catalloy foams prepared by electrodeposition. <i>Chemical Engineering Journal</i> , <b>2016</b> , 285, 276-285	14.7	19
38	Autothermal Oxidative Dehydrogenation of Ethane on LaMnO <sub>3</sub> - and Pt-Based Monoliths: H <sub>2</sub> and CO Addition. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 285-295	3.9	19
37	Highlighting the effect of the support during H <sub>2</sub> S adsorption at low temperature over composite Zn-Cu sorbents. <i>Fuel</i> , <b>2018</b> , 221, 374-379	7.1	17
36	The effect of pore morphology on the catalytic performance of α-glucosidase immobilized into mesoporous silica. <i>Pure and Applied Chemistry</i> , <b>2019</b> , 91, 1583-1592	2.1	16
35	Catalytic combustion of methanol over La, Mn-hexaaluminate catalysts. <i>Fuel Processing Technology</i> , <b>2015</b> , 133, 1-7	7.2	16
34	Optimization of Ethylene Production via Catalytic Partial Oxidation of Ethane on Pt/LaMnO <sub>3</sub> Catalyst. <i>Catalysis Letters</i> , <b>2008</b> , 122, 228-237	2.8	16
33	Ni or Ru supported on MgO/Al <sub>2</sub> O <sub>3</sub> pellets for the catalytic conversion of ethanol into butanol. <i>RSC Advances</i> , <b>2018</b> , 8, 25846-25855	3.7	15
32	The Effect of Support on Sulphur Tolerance of Rh Based Catalysts for Methane Partial Oxidation. <i>Catalysis Letters</i> , <b>2009</b> , 127, 260-269	2.8	15
31	Olefins via catalytic partial oxidation of light alkanes over Pt/LaMnO <sub>3</sub> monoliths. <i>Chemical Engineering Journal</i> , <b>2012</b> , 207-208, 473-480	14.7	14
30	Chromium-based MIL-101 metal organic framework as a fully regenerable D <sub>4</sub> adsorbent for biogas purification. <i>Renewable Energy</i> , <b>2019</b> , 138, 230-235	8.1	13
29	Effect of sulphur during the catalytic partial oxidation of ethane over Rh and Pt honeycomb catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 10680-10689	6.7	13

28	Crossing the breakthrough line of ethylene production by short contact time catalytic partial oxidation. <i>Catalysis Today</i> , <b>2005</b> , 106, 72-76	5.3	13
27	Me-ZSM-5 monolith foams for the NH <sub>3</sub> -SCR of NO. <i>Catalysis Today</i> , <b>2018</b> , 304, 112-118	5.3	12
26	MgO Dispersed on Activated Carbon as Water Tolerant Catalyst for the Conversion of Ethanol into Butanol. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 1371	2.6	11
25	Temperature excursions during the transient behaviour of high temperature catalytic combustion monoliths. <i>Catalysis Today</i> , <b>2003</b> , 83, 171-182	5.3	11
24	Electrochemical preparation of nanostructured CeO <sub>2</sub> -Pt catalysts on Fe-Cr-Al alloy foams for the low-temperature combustion of methanol. <i>Chemical Engineering Journal</i> , <b>2017</b> , 317, 551-560	14.7	10
23	Role of H <sub>2</sub> O and O <sub>2</sub> during the reactive adsorption of H <sub>2</sub> S on CuO-ZnO/activated carbon at low temperature. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 295, 109949	5.3	10
22	Insights into the cyclic CO <sub>2</sub> capture and catalytic methanation over highly performing Li-Ru/Al <sub>2</sub> O <sub>3</sub> dual function materials. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131275	14.7	10
21	A Case Study for the Deactivation and Regeneration of a V <sub>2</sub> O <sub>5</sub> -WO <sub>3</sub> /TiO <sub>2</sub> Catalyst in a Tail-End SCR Unit of a Municipal Waste Incineration Plant. <i>Catalysts</i> , <b>2019</b> , 9, 464	4	9
20	Effect of catalyst formulation (Rh, RhPt) on the performance of a natural gas hybrid catalytic burner. <i>Catalysis Today</i> , <b>2011</b> , 171, 72-78	5.3	9
19	Hybrid humic acid/titanium dioxide nanomaterials as highly effective antimicrobial agents against gram(-) pathogens and antibiotic contaminants in wastewater. <i>Environmental Research</i> , <b>2021</b> , 193, 110562	7.9	9
18	Chemical looping oxygen transfer properties of Cu-doped lanthanum oxysulphate. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 2047-2054	6.7	8
17	Ru/Ce/Ni Metal Foams as Structured Catalysts for the Methanation of CO <sub>2</sub> . <i>Catalysts</i> , <b>2021</b> , 11, 13	4	8
16	Highly stable core-shell Pt-CeO <sub>2</sub> nanoparticles electrochemically deposited onto FeCrAlloy foam reactors for the catalytic oxidation of CO. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 66, 404-410	6.3	8
15	Performance and Stability of Metal (Co, Mn, Cu)-Promoted La <sub>2</sub> O <sub>2</sub> SO <sub>4</sub> Oxygen Carrier for Chemical Looping Combustion of Methane. <i>Catalysts</i> , <b>2019</b> , 9, 147	4	7
14	Preparation of 3D electrocatalysts and catalysts for gas-phase reactions, through electrodeposition or galvanic displacement. <i>Journal of Applied Electrochemistry</i> , <b>2015</b> , 45, 715-725	2.6	7
13	Poisoning of SCR Catalysts by Alkali and Alkaline Earth Metals. <i>Catalysts</i> , <b>2020</b> , 10, 1475	4	7
12	LaNi <sub>1-x</sub> CoxO <sub>3</sub> perovskites for methane combustion by chemical looping. <i>Fuel</i> , <b>2021</b> , 292, 120187	7.1	7
11	Combined mercury removal and low-temperature NH <sub>3</sub> -SCR OF NO with MnO <sub>x</sub> /TiO <sub>2</sub> sorbents/catalysts. <i>Combustion Science and Technology</i> , <b>2018</b> , 190, 1488-1499	1.5	6

10	Development of a Hybrid Catalytic Gas Burner. <i>Combustion Science and Technology</i> , <b>2010</b> , 182, 380-391	1.5	6
9	Ethane catalytic partial oxidation to ethylene with sulphur and hydrogen addition over Rh and Pt honeycombs. <i>Catalysis Today</i> , <b>2014</b> , 228, 131-137	5.3	4
8	Cu/ZSM5-Geopolymer 3D-Printed Monoliths for the NH <sub>3</sub> -SCR of NO <sub>x</sub> . <i>Catalysts</i> , <b>2021</b> , 11, 1212	4	4
7	Synthesis and Characterization of Activated Carbon Foam from Polymerization of Furfuryl Alcohol Activated by Zinc and Copper Chlorides. <i>Journal of Carbon Research</i> , <b>2020</b> , 6, 45	3.3	4
6	Synergic Effect of Mixed ZnO and CuO Nanoparticles Supported on Activated Carbon for H <sub>2</sub> S Adsorption at Room Temperature. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5879-5882	0.1	3
5	H <sub>2</sub> S catalytic removal at low temperature over Cu- and Mg- activated carbon honeycombs. <i>Catalysis Today</i> , <b>2021</b> ,	5.3	2
4	Hybrid Catalytic Combustion of Methane/Hydrogen Mixtures. <i>Combustion Science and Technology</i> , <b>2014</b> , 186, 552-562	1.5	
3	Development of High Temperature Catalytic Reactors for Oxidative Conversion of Natural Gas <b>2005</b> , 377-382		
2	Rh-Based Catalysts for Dry Reforming of Methane: Effect of Promoter on Aluminum Oxide Support. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5889-5891	0.1	
1	Carbon Dioxide Capture by Adsorption on Amine Incorporated Hexagonal Mesoporous Silica. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 5903-5905	0.1	