

Cristina E Stere

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

913
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

952
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma-assisted catalytic dry reforming of methane (DRM) over metal-organic frameworks (MOFs)-based catalyts. Applied Catalysis B: Environmental, 2020, 260, 118195.	20.2	135
2	Sustaining metal-organic frameworks for water-gas shift catalysis by non-thermal plasma. Nature Catalysis, 2019, 2, 142-148.	34.4	123
3	Mechanistic study of non-thermal plasma assisted CO ₂ hydrogenation over Ru supported on MgAl layered double hydroxide. Applied Catalysis B: Environmental, 2020, 268, 118752.	20.2	101
4	Non-thermal Plasma Activation of Gold-Based Catalysts for Low-Temperature Water-Gas Shift Catalysis. Angewandte Chemie - International Edition, 2017, 56, 5579-5583.	13.8	77
5	Evolution and Enabling Capabilities of Spatially Resolved Techniques for the Characterization of Heterogeneously Catalyzed Reactions. ACS Catalysis, 2016, 6, 1356-1381.	11.2	70
6	Coupling non-thermal plasma with Ni catalysts supported on BETA zeolite for catalytic CO ₂ methanation. Catalysis Science and Technology, 2019, 9, 4135-4145.	4.1	68
7	Ambient Temperature Hydrocarbon Selective Catalytic Reduction of NO _x Using Atmospheric Pressure Nonthermal Plasma Activation of a Ag/Al ₂ O ₃ Catalyst. ACS Catalysis, 2014, 4, 666-673.	11.2	62
8	SpaciMS: spatial and temporal operando resolution of reactions within catalytic monoliths. Analyst, The, 2010, 135, 2260.	3.5	60
9	CO Poisoning of Ru Catalysts in CO ₂ Hydrogenation under Thermal and Plasma Conditions: A Combined Kinetic and Diffuse Reflectance Infrared Fourier Transform Spectroscopy-Mass Spectrometry Study. ACS Catalysis, 2020, 10, 12828-12840.	11.2	59
10	Probing the Role of a Non-thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie - International Edition, 2017, 56, 9351-9355.	13.8	58
11	Unraveling the H ₂ Promotional Effect on Palladium-Catalyzed CO Oxidation Using a Combination of Temporally and Spatially Resolved Investigations. ACS Catalysis, 2018, 8, 8255-8262.	11.2	19
12	Non-thermal-plasma-activated de-NO _x catalysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170054.	3.4	17
13	A design of a fixed bed plasma DRIFTS cell for studying the NTP-assisted heterogeneously catalysed reactions. Catalysis Science and Technology, 2020, 10, 1458-1466.	4.1	17
14	Non-thermal Plasma Activation of Gold-Based Catalysts for Low-Temperature Water-Gas Shift Catalysis. Angewandte Chemie, 2017, 129, 5671-5675.	2.0	11
15	Kinetics of Water Gas Shift Reaction on Au/CeZrO ₄ : A Comparison Between Conventional Heating and Dielectric Barrier Discharge (DBD) Plasma Activation. Topics in Catalysis, 2020, 63, 363-369.	2.8	11
16	Detailed validation of an automotive catalysis model using spatially resolved measurements within the catalyst substrate. Canadian Journal of Chemical Engineering, 2014, 92, 1535-1541.	1.7	10
17	Spatially-resolved investigation of the water inhibition of methane oxidation over palladium. Catalysis Science and Technology, 2020, 10, 1858-1874.	4.1	10
18	Probing the Role of a Non-thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie, 2017, 129, 9479-9483.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Synchrotron Radiation and Catalytic Science. Synchrotron Radiation News, 2020, 33, 10-14.	0.8	1
20	Optimization of Non-thermal Plasma-Assisted Catalytic Oxidation for Methane Emissions Abatement as an Exhaust Aftertreatment Technology. Plasma Chemistry and Plasma Processing, 2022, 42, 709-730.	2.4	1