Cristina E Stere

List of Publications by Year
in descending order

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	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
2	Plasma-assisted catalytic dry reforming of methane (DRM) over metal-organic frameworks (MOFs)-based catalysts. Applied Catalysis B: Environmental, 2020, 260, 118195.	20.2	135
3	CO Poisoning of Ru Catalysts in CO₂ Hydrogenation under Thermal and Plasma Conditions: A Combined Kinetic and Diffuse Reflectance Infrared Fourier Transform Spectroscopyâ€“Mass Spectrometry Study. ACS Catalysis, 2020, 10, 12828-12840.	11.2	59
4	Kinetics of Water Gas Shift Reaction on Au/CeZrO4: A Comparison Between Conventional Heating and Dielectric Barrier Discharge (DBD) Plasma Activation. Topics in Catalysis, 2020, 63, 363-369.	2.8	11
5	Mechanistic study of non-thermal plasma assisted CO2 hydrogenation over Ru supported on MgAl layered double hydroxide. Applied Catalysis B: Environmental, 2020, 268, 118752.	20.2	101
6	Spatially-resolved investigation of the water inhibition of methane oxidation over palladium. Catalysis Science and Technology, 2020, 10, 1858-1874.	4.1	10
7	Synchrotron Radiation and Catalytic Science. Synchrotron Radiation News, 2020, 33, 10-14.	0.8	1
8	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
9	Coupling non-thermal plasma with Ni catalysts supported on BETA zeolite for catalytic CO₂ methanation. Catalysis Science and Technology, 2019, 9, 4135-4145.	4.1	68
10	Sustaining metalâ€“organic frameworks for waterâ€“gas shift catalysis by non-thermal plasma. Nature Catalysis, 2019, 2, 142-148.	34.4	123
11	Non-thermal-plasma-activated de-NO _x catalysis. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170054.	3.4	17
12	Unraveling the H₂ 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
13	Nonâ€Thermal Plasma Activation of Goldâ€Based Catalysts for Lowâ€Temperature Waterâ€“Gas Shift Catalysis. Angewandte Chemie, 2017, 129, 5671-5675.	2.0	11
14	Nonâ€Thermal Plasma Activation of Goldâ€Based Catalysts for Lowâ€Temperature Waterâ€“Gas Shift Catalysis. Angewandte Chemie - International Edition, 2017, 56, 5579-5583.	13.8	77
15	Probing the Role of a Nonâ€Thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie - International Edition, 2017, 56, 9351-9355.	13.8	58
16	Probing the Role of a Nonâ€Thermal Plasma (NTP) in the Hybrid NTP Catalytic Oxidation of Methane. Angewandte Chemie, 2017, 129, 9479-9483.	2.0	3
17	Evolution and Enabling Capabilities of Spatially Resolved Techniques for the Characterization of Heterogeneously Catalyzed Reactions. ACS Catalysis, 2016, 6, 1356-1381.	11.2	70
18	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

#	Article	IF	Citations
19	Ambient Temperature Hydrocarbon Selective Catalytic Reduction of NO_x Using Atmospheric Pressure Nonthermal Plasma Activation of a Ag/Al₂O₃ Catalyst. ACS Catalysis, 2014, 4, 666-673.	11.2	62
20	SpaciMS: spatial and temporal operando resolution of reactions within catalytic monoliths. Analyst, The, 2010, 135, 2260.	3.5	60