

Tommaso Selleri

List of Publications by Year in descending order

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31
papers

884
citations

471061

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31
all docs

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docs citations

31
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring Emissions from a Demonstrator Heavy-Duty Diesel Vehicle under Real-World Conditionsâ€”Moving Forward to Euro VII. <i>Catalysts</i> , 2022, 12, 184.	1.6	24
2	NH ₃ and CO Emissions from Fifteen Euro 6d and Euro 6d-TEMP Gasoline-Fuelled Vehicles. <i>Catalysts</i> , 2022, 12, 245.	1.6	10
3	On-Road and Laboratory Emissions from Three Gasoline Plug-In Hybrid Vehiclesâ€”Part 1: Regulated and Unregulated Gaseous Pollutants and Greenhouse Gases. <i>Energies</i> , 2022, 15, 2401.	1.6	13
4	Emissions of Euro 6 Mono- and Bi-Fuel Gas Vehicles. <i>Catalysts</i> , 2022, 12, 651.	1.6	3
5	Evaluation of Measurement Procedures for Solid Particle Number (SPN) Measurements during the Periodic Technical Inspection (PTI) of Vehicles. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7602.	1.2	8
6	On the Redox Mechanism of Low-Temperature NH ₃ -SCR over Cu-CHA: A Combined Experimental and Theoretical Study of the Reduction Half Cycle. <i>Angewandte Chemie</i> , 2021, 133, 7273-7280.	1.6	15
7	On the Redox Mechanism of Low-Temperature NH ₃ -SCR over Cu-CHA: A Combined Experimental and Theoretical Study of the Reduction Half Cycle. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7197-7204.	7.2	77
8	Review of Hydrocarbon Poisoning and Deactivation Effects on Cu-Zeolite, Fe-Zeolite, and Vanadium-Based Selective Catalytic Reduction Catalysts for NO _x Removal from Lean Exhausts. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 6403-6420.	1.8	27
9	An Overview of Lean Exhaust deNO _x Aftertreatment Technologies and NO _x Emission Regulations in the European Union. <i>Catalysts</i> , 2021, 11, 404.	1.6	63
10	Transient Kinetic Analysis of Low-Temperature NH ₃ -SCR over Cu-CHA Catalysts Reveals a Quadratic Dependence of Cu Reduction Rates on Cu ^{II} . <i>ACS Catalysis</i> , 2021, 11, 4821-4831.	5.5	41
11	Effect of Extreme Temperatures and Driving Conditions on Gaseous Pollutants of a Euro 6d-Temp Gasoline Vehicle. <i>Atmosphere</i> , 2021, 12, 1011.	1.0	24
12	On-road emissions of Euro 6d-TEMP passenger cars on Alpine routes during the winter period. <i>Environmental Science Atmospheres</i> , 2021, 1, 125-139.	0.9	10
13	NH ₃ and N ₂ O Real World Emissions Measurement from a CNG Heavy Duty Vehicle Using On-Board Measurement Systems. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10055.	1.3	11
14	Evaluation of Solid Particle Number Sensors for Periodic Technical Inspection of Passenger Cars. <i>Sensors</i> , 2021, 21, 8325.	2.1	13
15	Unexpected Low-Temperature deNO _x Activity of AdSCR Systems for Cold Start NO _x Abatement. <i>Emission Control Science and Technology</i> , 2020, 6, 402-409.	0.8	8
16	An experimental and modelling study of the reactivity of adsorbed NH ₃ in the low temperature NH ₃ -SCR reduction half-cycle over a Cu-CHA catalyst. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119397.	10.8	55
17	Structure and Reactivity of Oxygen-Bridged Diamino Dicopper(II) Complexes in Cu-Ion-Exchanged Chabazite Catalyst for NH ₃ -Mediated Selective Catalytic Reduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 15884-15896.	6.6	110
18	Analysis of AdSCR Systems for NO _x Removal During the Cold-Start Period of Diesel Engines. <i>Topics in Catalysis</i> , 2019, 62, 3-9.	1.3	14

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19	Catalyst systems for selective catalytic reduction + NO _x trapping: from fundamental understanding of the standard SCR reaction to practical applications for lean exhaust after-treatment. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1165-1178.	1.9	22
20	An efficient reduced model of NH ₃ -SCR converters for mobile aftertreatment systems. <i>Chemical Engineering Journal</i> , 2019, 377, 120053.	6.6	20
21	The impact of light and heavy hydrocarbons on the NH ₃ -SCR activity of commercial Cu- and Fe-zeolite catalysts. <i>Catalysis Today</i> , 2019, 320, 100-111.	2.2	22
22	A PGM-free NO _x adsorber + selective catalytic reduction catalyst system (AdSCR) for trapping and reducing NO _x in lean exhaust streams at low temperature. <i>Catalysis Science and Technology</i> , 2018, 8, 2467-2476.	2.1	27
23	NO oxidation on Fe- and Cu-zeolites mixed with BaO/Al ₂ O ₃ : Free oxidation regime and relevance for the NH ₃ -SCR chemistry at low temperature. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 324-331.	10.8	37
24	Modelling Inhibition Effects of Short-Chain Hydrocarbons on a Small-Pore Cu-Zeolite NH ₃ -SCR Catalyst. <i>Topics in Catalysis</i> , 2017, 60, 214-219.	1.3	3
25	The low-temperature interaction of NH ₃ /NO/NO ₂ + O ₂ with Fe-ZSM-5 + BaO/Al ₂ O ₃ and H-ZSM-5 + BaO/Al ₂ O ₃ : Influence of phase separation and relevance for the NH ₃ -SCR chemistry. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 471-478.	10.8	26
26	The Low Temperature Interaction of NO + O ₂ with a Commercial Cu-CHA Catalyst: A Chemical Trapping Study. <i>Topics in Catalysis</i> , 2016, 59, 678-685.	1.3	25
27	New Mechanistic Insights in the NH ₃ -SCR Reactions at Low Temperature. <i>Topics in Catalysis</i> , 2016, 59, 907-912.	1.3	18
28	Investigation of NO ₂ and NO interaction with an Fe-ZSM-5 catalyst by transient response methods and chemical trapping techniques. <i>Journal of Catalysis</i> , 2015, 328, 258-269.	3.1	41
29	Identification of nitrites/HONO as primary products of NO oxidation over Fe-ZSM-5 and their role in the Standard SCR mechanism: A chemical trapping study. <i>Journal of Catalysis</i> , 2014, 311, 266-270.	3.1	89
30	Mathematical Modeling and Multi-Objective Optimization of a Mini-Channel Heat Exchanger Via Genetic Algorithm. <i>Journal of Thermal Science and Engineering Applications</i> , 2013, 5, .	0.8	27
31	Assessment of retrofit devices for the Horizon 2020 Cleanest Engine and Vehicle Retrofit Prizes. <i>Silniki Spalinowe</i> , 0, , .	0.4	1