Estelle le SachÃ©

List of Publications by Year
in descending order

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24	1,216	430874	677142
papers	citations	18 h-index	22 g-index

24	24	24	1285
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical CO2 recycling via dry and bi reforming of methane using Ni-Sn/Al2O3 and Ni-Sn/CeO2-Al2O3 catalysts. Applied Catalysis B: Environmental, 2018, 224, 125-135.	20.2	178
2	CO2 valorisation via Reverse Water-Gas Shift reaction using advanced Cs doped Fe-Cu/Al2O3 catalysts. Journal of CO2 Utilization, 2017, 21, 423-428.	6.8	156
3	Ni stabilised on inorganic complex structures: superior catalysts for chemical CO2 recycling via dry reforming of methane. Applied Catalysis B: Environmental, 2018, 236, 458-465.	20.2	141
4	Membrane-based technologies for biogas upgrading: a review. Environmental Chemistry Letters, 2020, 18, 1649-1658.	16.2	87
5	Analysis of Dry Reforming as direct route for gas phase CO2 conversion. The past, the present and future of catalytic DRM technologies. Progress in Energy and Combustion Science, 2022, 89, 100970.	31.2	78
6	Switchable Catalysts for Chemical CO₂ Recycling: A Step Forward in the Methanation and Reverse Waterâ€“Gas Shift Reactions. ACS Sustainable Chemistry and Engineering, 2020, 8, 4614-4622.	6.7	69
7	Understanding the role of Ni-Sn interaction to design highly effective CO2 conversion catalysts for dry reforming of methane. Journal of CO2 Utilization, 2018, 27, 1-10.	6.8	68
8	Synthetic natural gas production from CO2 over Ni-x/CeO2-ZrO2 (x = Fe, Co) catalysts: Influence of promoters and space velocity. Catalysis Today, 2018, 317, 108-113.	4.4	64
9	Multicomponent Ni-CeO2 nanocatalysts for syngas production from CO2/CH4 mixtures. Journal of CO2 Utilization, 2018, 25, 68-78.	6.8	61
10	Improving Fe/Al2O3 Catalysts for the Reverse Water-Gas Shift Reaction: On the Effect of Cs as Activity/Selectivity Promoter. Catalysts, 2018, 8, 608.	3.5	56
11	CO2 methanation in the presence of methane: Catalysts design and effect of methane concentration in the reaction mixture. Journal of the Energy Institute, 2020, 93, 415-424.	5.3	53
12	Biogas Upgrading Via Dry Reforming Over a Ni-Sn/CeO2-Al2O3 Catalyst: Influence of the Biogas Source. Energies, 2019, 12, 1007.	3.1	46
13	Highly active Cu-ZnO catalysts for the WGS reaction at mediumâ€“high space velocities: Effect of the support composition. International Journal of Hydrogen Energy, 2017, 42, 10747-10751.	7.1	28
14	Nickel Phosphide Catalysts as Efficient Systems for CO2 Upgrading via Dry Reforming of Methane. Catalysts, 2021, 11, 446.	3.5	26
15	Flexible syngas production using a La2Zr2-xNixO7-Î´ pyrochlore-double perovskite catalyst: Towards a direct route for gas phase CO2 recycling. Catalysis Today, 2020, 357, 583-589.	4.4	25
16	Versatile Ni-Ru catalysts for gas phase CO2 conversion: Bringing closer dry reforming, reverse water gas shift and methanation to enable end-products flexibility. Fuel, 2022, 315, 123097.	6.4	22
17	Tailoring structured WGS catalysts: Impact of multilayered concept on the water surface interactions. Applied Catalysis B: Environmental, 2018, 222, 124-132.	20.2	20
18	From biogas upgrading to CO2 utilization and waste recycling: A novel circular economy approach. Journal of CO2 Utilization, 2021, 47, 101496.	6.8	19

#	Article	IF	Citations
19	Biogas Conversion to Syngas Using Advanced Ni-Promoted Pyrochlore Catalysts: Effect of the CH4/CO2 Ratio. Frontiers in Chemistry, 2021, 9, 672419.	3.6	11
20	Physicochemical comparison of precipitated calcium carbonate for different configurations of a biogas upgrading unit. Journal of Chemical Technology and Biotechnology, 2019, 94, 2256-2262.	3.2	5
21	High Channel Density Ceramic Microchannel Reactor for Syngas Production. Energies, 2020, 13, 6472.	3.1	2
22	Biogas as a Renewable Energy Source: Focusing on Principles and Recent Advances of Membrane-Based Technologies for Biogas Upgrading. Environmental Chemistry for A Sustainable World, 2020, , 95-120.	0.5	1
23	Model-Based Analysis and Integration of Synthetic Methane Production and Methane Oxidative Coupling. Computer Aided Chemical Engineering, 2017, 40, 1147-1152.	0.5	0
24	14. Gas phase reactions for chemical CO2 upgrading. , 2019, , 249-280.		0