Katarzyna Åwirk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3008093/publications.pdf

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21	458	759233 12	794594 19
papers	citations	h-index	g-index

21	21	21	403
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Yttrium promoted Ni-based double-layered hydroxides for dry methane reforming. Journal of CO2 Utilization, 2018, 27, 247-258.	6.8	83
2	Syngas production from dry methane reforming over yttrium-promoted nickel-KIT-6 catalysts. International Journal of Hydrogen Energy, 2019, 44, 274-286.	7.1	64
3	Dry reforming of methane over Zr- and Y-modified Ni/Mg/Al double-layered hydroxides. Catalysis Communications, 2018, 117, 26-32.	3.3	51
4	Ce- and Y-Modified Double-Layered Hydroxides as Catalysts for Dry Reforming of Methane: On the Effect of Yttrium Promotion. Catalysts, 2019, 9, 56.	3.5	35
5	On the effect of yttrium promotion on Ni-layered double hydroxides-derived catalysts for hydrogenation of CO2 to methane. International Journal of Hydrogen Energy, 2021, 46, 12169-12179.	7.1	35
6	Carbon-resistant NiO-Y2O3-nanostructured catalysts derived from double-layered hydroxides for dry reforming of methane. Catalysis Today, 2021, 366, 103-113.	4.4	29
7	Understanding of tri-reforming of methane over Ni/Mg/Al hydrotalcite-derived catalyst for CO2 utilization from flue gases from natural gas-fired power plants. Journal of CO2 Utilization, 2020, 42, 101317.	6.8	23
8	Vanadium promoted Ni(Mg,Al)O hydrotalcite-derived catalysts for CO2 methanation. International Journal of Hydrogen Energy, 2021, 46, 17776-17783.	7.1	22
9	Synthesis strategies of Zr- and Y-promoted mixed oxides derived from double-layered hydroxides for syngas production via dry reforming of methane. International Journal of Hydrogen Energy, 2021, 46, 12128-12144.	7.1	16
10	Tailoring the yttrium content in Ni-Ce-Y/SBA-15 mesoporous silicas for CO2 methanation. Catalysis Today, 2021, 382, 104-119.	4.4	16
11	Perspectives in Adsorptive and Catalytic Mitigations of NO_x Using Metalâ€“Organic Frameworks. Energy & Fuels, 2022, 36, 3347-3371.	5.1	13
12	Co-Precipitated Ni-Mg-Al Hydrotalcite-Derived Catalyst Promoted with Vanadium for CO2 Methanation. Molecules, 2021, 26, 6506.	3.8	12
13	Effect of low loading of yttrium on Ni-based layered double hydroxides in CO2 reforming of CH4. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 611-628.	1.7	11
14	Tri-reforming as a process of CO₂utilization and a novel concept of energy storage in chemical products. E3S Web of Conferences, 2017, 14, 02038.	0.5	9
15	Novel Preparation of Cu and Fe Zirconia Supported Catalysts for Selective Catalytic Reduction of NO with NH3. Catalysts, 2021, 11, 55.	3.5	8
16	Unraveling catalytic properties by yttrium promotion on mesoporous SBA-16 supported nickel catalysts towards CO2 methanation. Fuel, 2022, 317, 122829.	6.4	8
17	Nickel Supported Modified Ceria Zirconia Lanthanum/ Praseodymium/Yttrium Oxides Catalysts for Syngas Production through Dry Methane Reforming. Materials Science Forum, 0, 941, 2214-2219.	0.3	6
18	Facile modifications of HKUST-1 by V, Nb and Mn for low-temperature selective catalytic reduction of nitrogen oxides by NH3. Catalysis Today, 2022, 384-386, 25-32.	4.4	6

#	Article	IF	Citations
19	Investigation of Mn Promotion on HKUSTâ€1 Metalâ€Organic Frameworks for Lowâ€Temperature Selective Catalytic Reduction of NO with NH₃. ChemCatChem, 2021, 13, 4029-4037.	3.7	6
20	Boosting CO2 reforming of methane via the metal-support interaction in mesostructured SBA-16-derived Ni nanoparticles. Applied Materials Today, 2022, 26, 101354.	4.3	5
21	The influence of the modification of acidic montmorillonites with polyacrylamide and copper deposition on SCR-NH3 catalytic performance. E3S Web of Conferences, 2017, 14, 02037.	0.5	0