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List of Publications by Year
in descending order

34 papers	683 citations	623734 14 h-index	580821 25 g-index
35 all docs	35 docs citations	35 times ranked	610 citing authors

#	Article	IF	Citations
1	Role of the Cu content and Ce activating effect on catalytic performance of Cu-Mg-Al and Ce/Cu-Mg-Al oxides in ammonia selective catalytic oxidation. Applied Surface Science, 2022, 573, 151540.	6.1	10
2	An investigation on the N2O decomposition activity of Mn Co1âˆ’Co2O4 nanorods prepared by the thermal decomposition of their oxalate precursors. Journal of Industrial and Engineering Chemistry, 2021, 93, 279-289.	5.8	14
3	Reaction mechanism of NO direct decomposition over K-promoted Co-Mn-Al mixed oxides â€“ DRIFTS, TPD and transient state studies. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 257-266.	5.3	9
4	Oxygen effect in NO direct decomposition over K/Co-Mg-Mn-Al mixed oxide catalystâ€“Temperature programmed desorption study. Molecular Catalysis, 2021, 510, 111695.	2.0	4
5	Catalytic Oxidation of Ammonia over Cerium-Modified Copper Aluminium Zinc Mixed Oxides. Materials, 2021, 14, 6581.	2.9	6
6	Nanosheets-nanorods transformation during the non-isothermal decomposition of gadolinium acetate. Ceramics International, 2020, 46, 25467-25477.	4.8	4
7	Direct Decomposition of NO over Co-Mn-Al Mixed Oxides: Effect of Ce and/or K Promoters. Catalysts, 2020, 10, 808.	3.5	4
8	Magnesium Effect in K/Co-Mg-Mn-Al Mixed Oxide Catalyst for Direct NO Decomposition. Catalysts, 2020, 10, 931.	3.5	9
9	Cobalt Based Catalysts on Alkali-Activated Zeolite Foams for N2O Decomposition. Catalysts, 2020, 10, 1398.	3.5	9
10	K-Modified Coâ€“Mnâ€“Al Mixed Oxideâ€”Effect of Calcination Temperature on N2O Conversion in the Presence of H2O and NOx. Catalysts, 2020, 10, 1134.	3.5	11
11	Effect of support on the catalytic activity of Co3O4-Cs deposited on open-cell ceramic foams for N2O decomposition. Materials Research Bulletin, 2020, 129, 110892.	5.2	18
12	Cu-Mg-Fe-O-(Ce) Complex Oxides as Catalysts of Selective Catalytic Oxidation of Ammonia to Dinitrogen (NH3-SCO). Catalysts, 2020, 10, 153.	3.5	14
13	Does the structure of CuZn hydroxycarbonate precursors affect the intrinsic hydrogenolysis activity of CuZn catalysts?. Catalysis Science and Technology, 2020, 10, 3303-3314.	4.1	10
14	Precipitated K-Promoted Coâ€“Mnâ€“Al Mixed Oxides for Direct NO Decomposition: Preparation and Properties. Catalysts, 2019, 9, 592.	3.5	10
15	Co-Mn-Al Mixed Oxides Promoted by K for Direct NO Decomposition: Effect of Preparation Parameters. Catalysts, 2019, 9, 593.	3.5	18
16	Catalytic decomposition of N₂O over Cuâ€“Alâ€“O_x mixed metal oxides. RSC Advances, 2019, 9, 3979-3986.	3.6	16
17	Cobalt mixed oxides deposited on the SiC open-cell foams for nitrous oxide decomposition. Applied Catalysis B: Environmental, 2019, 255, 117745.	20.2	30
18	Must the Best Laboratory Prepared Catalyst Also Be the Best in an Operational Application?. Catalysts, 2019, 9, 160.	3.5	7

#	Article	IF	Citations
19	CuZn Catalysts Superior to Adkins Catalysts for Dimethyl Adipate Hydrogenolysis. ChemCatChem, 2019, 11, 2169-2178.	3.7	20
20	On the stability of alkali metal promoters in Co mixed oxides during direct NO catalytic decomposition. Molecular Catalysis, 2017, 428, 33-40.	2.0	22
21	Cobalt Oxide Catalysts on Commercial Supports for N₂O Decomposition. Chemical Engineering and Technology, 2017, 40, 981-990.	1.5	12
22	Cobalt oxide catalysts supported on CeO2â€“TiO2 for ethanol oxidation and N2O decomposition. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 121-139.	1.7	7
23	Effect of preparation method on catalytic properties of Co-Mn-Al mixed oxides for N2O decomposition. Journal of Molecular Catalysis A, 2016, 425, 237-247.	4.8	31
24	K-Doped Coâ€“Mnâ€“Al Mixed Oxide Catalyst for N₂O Abatement from Nitric Acid Plant Waste Gases: Pilot Plant Studies. Industrial & Engineering Chemistry Research, 2016, 55, 7076-7084.	3.7	14
25	Advantage of the single pellet string reactor for testing real-size industrial pellets of potassium-doped CoMnAl catalyst forÂthe decompositionÂof N2O. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 651-662.	1.7	10
26	Advantages of stainless steel sieves as support for catalytic N2O decomposition over K-doped Co3O4. Catalysis Today, 2015, 257, 2-10.	4.4	22
27	Supported Coâ€“Mnâ€“Al mixed oxides as catalysts for N2O decomposition. Comptes Rendus Chimie, 2015, 18, 1114-1122.	0.5	12
28	Effect of hydrothermal treatment on properties of Niâ€“Al layered double hydroxides and related mixed oxides. Journal of Solid State Chemistry, 2009, 182, 27-36.	2.9	92
29	N2O catalytic decomposition â€” effect of pelleting pressure on activity of Co-Mn-Al mixed oxide catalysts. Chemical Papers, 2009, 63, .	2.2	12
30	Catalytic reduction of nitrous oxide with carbon monoxide over calcined Coâ€“Mnâ€“Al hydrotalcite. Catalysis Today, 2008, 137, 385-389.	4.4	22
31	Application of Calcined Layered Double Hydroxides as Catalysts for Abatement of N2O Emissions. Collection of Czechoslovak Chemical Communications, 2008, 73, 1045-1060.	1.0	4
32	Effect of Mn/Al ratio in Coâ€“Mnâ€“Al mixed oxide catalysts prepared from hydrotalcite-like precursors on catalytic decomposition of N2O. Catalysis Today, 2007, 119, 233-238.	4.4	73
33	Structureâ€“activity relationship in the N2O decomposition over Ni-(Mg)-Al and Ni-(Mg)-Mn mixed oxides prepared from hydrotalcite-like precursors. Journal of Molecular Catalysis A, 2006, 248, 210-219.	4.8	52
34	Catalytic decomposition of nitrous oxide over catalysts prepared from Co/Mg-Mn/Al hydrotalcite-like compounds. Applied Catalysis B: Environmental, 2005, 60, 289-297.	20.2	75