

Kateřina Pacultovř;

List of Publications by Year in descending order

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34
papers

683
citations

623734

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580821

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docs citations

35
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of hydrothermal treatment on properties of Ni-Al layered double hydroxides and related mixed oxides. <i>Journal of Solid State Chemistry</i> , 2009, 182, 27-36.	2.9	92
2	Catalytic decomposition of nitrous oxide over catalysts prepared from Co/Mg-Mn/Al hydrotalcite-like compounds. <i>Applied Catalysis B: Environmental</i> , 2005, 60, 289-297.	20.2	75
3	Effect of Mn/Al ratio in Co-Mn-Al mixed oxide catalysts prepared from hydrotalcite-like precursors on catalytic decomposition of N ₂ O. <i>Catalysis Today</i> , 2007, 119, 233-238.	4.4	73
4	Structure-activity relationship in the N ₂ O decomposition over Ni-(Mg)-Al and Ni-(Mg)-Mn mixed oxides prepared from hydrotalcite-like precursors. <i>Journal of Molecular Catalysis A</i> , 2006, 248, 210-219.	4.8	52
5	Effect of preparation method on catalytic properties of Co-Mn-Al mixed oxides for N ₂ O decomposition. <i>Journal of Molecular Catalysis A</i> , 2016, 425, 237-247.	4.8	31
6	Cobalt mixed oxides deposited on the SiC open-cell foams for nitrous oxide decomposition. <i>Applied Catalysis B: Environmental</i> , 2019, 255, 117745.	20.2	30
7	Catalytic reduction of nitrous oxide with carbon monoxide over calcined Co-Mn-Al hydrotalcite. <i>Catalysis Today</i> , 2008, 137, 385-389.	4.4	22
8	Advantages of stainless steel sieves as support for catalytic N ₂ O decomposition over K-doped Co ₃ O ₄ . <i>Catalysis Today</i> , 2015, 257, 2-10.	4.4	22
9	On the stability of alkali metal promoters in Co mixed oxides during direct NO catalytic decomposition. <i>Molecular Catalysis</i> , 2017, 428, 33-40.	2.0	22
10	CuZn Catalysts Superior to Adkins Catalysts for Dimethyl Adipate Hydrogenolysis. <i>ChemCatChem</i> , 2019, 11, 2169-2178.	3.7	20
11	Co-Mn-Al Mixed Oxides Promoted by K for Direct NO Decomposition: Effect of Preparation Parameters. <i>Catalysts</i> , 2019, 9, 593.	3.5	18
12	Effect of support on the catalytic activity of Co ₃ O ₄ -Cs deposited on open-cell ceramic foams for N ₂ O decomposition. <i>Materials Research Bulletin</i> , 2020, 129, 110892.	5.2	18
13	Catalytic decomposition of N ₂ O over Cu-Al-O mixed metal oxides. <i>RSC Advances</i> , 2019, 9, 3979-3986.	3.6	16
14	Cu-Mg-Fe-O-(Ce) Complex Oxides as Catalysts of Selective Catalytic Oxidation of Ammonia to Dinitrogen (NH ₃ -SCO). <i>Catalysts</i> , 2020, 10, 153.	3.5	14
15	An investigation on the N ₂ O decomposition activity of Mn Co _{1-x} Co ₂ O ₄ nanorods prepared by the thermal decomposition of their oxalate precursors. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 279-289.	5.8	14
16	K-Doped Co-Mn-Al Mixed Oxide Catalyst for N ₂ O Abatement from Nitric Acid Plant Waste Gases: Pilot Plant Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 7076-7084.	3.7	14
17	N ₂ O catalytic decomposition - effect of pelleting pressure on activity of Co-Mn-Al mixed oxide catalysts. <i>Chemical Papers</i> , 2009, 63, .	2.2	12
18	Supported Co-Mn-Al mixed oxides as catalysts for N ₂ O decomposition. <i>Comptes Rendus Chimie</i> , 2015, 18, 1114-1122.	0.5	12

#	ARTICLE	IF	CITATIONS
19	Cobalt Oxide Catalysts on Commercial Supports for N ₂ O Decomposition. Chemical Engineering and Technology, 2017, 40, 981-990.	1.5	12
20	K-Modified Co-Mn-Al Mixed Oxide Effect of Calcination Temperature on N ₂ O Conversion in the Presence of H ₂ O and NO _x . Catalysts, 2020, 10, 1134.	3.5	11
21	Advantage of the single pellet string reactor for testing real-size industrial pellets of potassium-doped CoMnAl catalyst for the decomposition of N ₂ O. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 651-662.	1.7	10
22	Precipitated K-Promoted Co-Mn-Al Mixed Oxides for Direct NO Decomposition: Preparation and Properties. Catalysts, 2019, 9, 592.	3.5	10
23	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
24	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
25	Magnesium Effect in K/Co-Mg-Mn-Al Mixed Oxide Catalyst for Direct NO Decomposition. Catalysts, 2020, 10, 931.	3.5	9
26	Cobalt Based Catalysts on Alkali-Activated Zeolite Foams for N ₂ O Decomposition. Catalysts, 2020, 10, 1398.	3.5	9
27	Reaction mechanism of NO direct decomposition over K-promoted Co-Mn-Al mixed oxides - DRIFTS, TPD and transient state studies. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 257-266.	5.3	9
28	Cobalt oxide catalysts supported on CeO ₂ -TiO ₂ for ethanol oxidation and N ₂ O decomposition. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 121-139.	1.7	7
29	Must the Best Laboratory Prepared Catalyst Also Be the Best in an Operational Application?. Catalysts, 2019, 9, 160.	3.5	7
30	Catalytic Oxidation of Ammonia over Cerium-Modified Copper Aluminium Zinc Mixed Oxides. Materials, 2021, 14, 6581.	2.9	6
31	Application of Calcined Layered Double Hydroxides as Catalysts for Abatement of N ₂ O Emissions. Collection of Czechoslovak Chemical Communications, 2008, 73, 1045-1060.	1.0	4
32	Nanosheets-nanorods transformation during the non-isothermal decomposition of gadolinium acetate. Ceramics International, 2020, 46, 25467-25477.	4.8	4
33	Direct Decomposition of NO over Co-Mn-Al Mixed Oxides: Effect of Ce and/or K Promoters. Catalysts, 2020, 10, 808.	3.5	4
34	Oxygen effect in NO direct decomposition over K/Co-Mg-Mn-Al mixed oxide catalyst Temperature programmed desorption study. Molecular Catalysis, 2021, 510, 111695.	2.0	4