

Cyril Thomas

List of Publications by Year in descending order

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61
papers

1,195
citations

361413

20
h-index

414414

32
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62
all docs

62
docs citations

62
times ranked

1460
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Surface Basic Sites and Acid-Base Pairs of Hydroxyapatite. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12744-12757.	3.1	107
2	On the promoting effect of Au on CO oxidation kinetics of Au-Pt bimetallic nanoparticles supported on SiO ₂ : An electronic effect?. <i>Journal of Catalysis</i> , 2012, 287, 102-113.	6.2	91
3	One-pot prepared mesoporous silica SBA-15-like monoliths with embedded Ni particles as selective and stable catalysts for methane dry reforming. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119417.	20.2	69
4	On the role of organic nitrogen-containing species as intermediates in the hydrocarbon-assisted SCR of NO _x . <i>Applied Catalysis B: Environmental</i> , 2004, 54, 69-84.	20.2	64
5	Enhancing low-temperature activity and durability of Pd-based diesel oxidation catalysts using ZrO ₂ supports. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 181-194.	20.2	50
6	Deuterium Tracer Studies on Hydrotreating Catalysts-Isotopic Exchange between Hydrogen and Hydrogen Sulfide on Sulfided NiMo/Al ₂ O ₃ . <i>Journal of Catalysis</i> , 1997, 167, 1-11.	6.2	45
7	In Situ Solid-Gas Reactivity of Nanoscaled Metal Borides from Molten Salt Synthesis. <i>Inorganic Chemistry</i> , 2017, 56, 9225-9234.	4.0	42
8	Mononuclear pseudo-tetrahedral V species of VSiBEA zeolite as the active sites of the selective oxidative dehydrogenation of propane. <i>Journal of Catalysis</i> , 2013, 305, 46-55.	6.2	39
9	Effect of vanadium dispersion and of support properties on the catalytic activity of V-containing silicas. <i>Catalysis Today</i> , 2012, 179, 140-148.	4.4	35
10	On the origin of the optimum loading of Ag on Al ₂ O ₃ in the C ₃ H ₆ -SCR of NO _x . <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 780-784.	20.2	34
11	Deuterium Tracer Studies on Hydrotreating Catalysts. 2. Contribution of the Hydrogen of the Alumina Support to H-D Exchange. <i>Journal of Catalysis</i> , 1998, 179, 495-502.	6.2	31
12	On the promotional effect of Pd on the propene-assisted decomposition of NO on chlorinated Ce _{0.68} Zr _{0.32} O ₂ . <i>Applied Catalysis B: Environmental</i> , 2006, 63, 201-214.	20.2	31
13	Importance of the Nature of the Active Acid/Base Pairs of Hydroxyapatite Involved in the Catalytic Transformation of Ethanol to n-Butanol Revealed by Operando DRIFTS. <i>ChemCatChem</i> , 2019, 11, 1765-1778.	3.7	31
14	Calibrated Co ₃ O ₄ nanoparticles patterned in SBA-15 silicas: Accessibility and activity for CO oxidation. <i>Catalysis Communications</i> , 2007, 8, 2105-2109.	3.3	30
15	Insights into the influence of the Ag loading on Al ₂ O ₃ in the H ₂ -assisted C ₃ H ₆ -SCR of NO. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 192-201.	20.2	30
16	On an additional promoting role of hydrogen in the H ₂ -assisted C ₃ H ₆ -SCR of NO _x on Ag/Al ₂ O ₃ : A lowering of the temperature of formation-decomposition of the organo-NO _x intermediates?. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 454-462.	20.2	26
17	NO _x -TPD as a Tool to Estimate the Accessible Zirconia Surface of ZrO ₂ -Containing Materials. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9731-9738.	3.1	24
18	Influence of the nature of the noble metal on the lean C ₃ H ₆ -assisted decomposition of NO on Ce _{0.68} Zr _{0.32} O ₂ -supported catalysts. <i>Journal of Molecular Catalysis A</i> , 2006, 249, 71-79.	4.8	23

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19	Phase selective synthesis of nickel silicide nanocrystals in molten salts for electrocatalysis of the oxygen evolution reaction. <i>Nanoscale</i> , 2020, 12, 15209-15213.	5.6	22
20	Should W Surface Density of $WO_x \sim ZrO_2$ Catalysts Be Calculated With Respect To the Specific Surface Area of the Sample or That of ZrO_2 Only?. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2253-2256.	3.1	21
21	Incorporation of vanadium into the framework of hydroxyapatites: importance of the vanadium content and pH conditions during the precipitation step. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9630-9640.	2.8	21
22	Simulation of the transient CO oxidation over Rh_0/SiO_2 and $Rh_x+/Ce_{0.68}Zr_{0.32}O_2$ catalysts. <i>Journal of Catalysis</i> , 2004, 224, 269-277.	6.2	20
23	NO_x Reduction over $CeO_2 \sim ZrO_2$ Supported Iridium Catalyst in the Presence of Propanol. <i>Topics in Catalysis</i> , 2004, 30/31, 97-101.	2.8	19
24	Insights into the accessibility of Zr in Zr/SBA-15 mesoporous silica supports with increasing Zr loadings. <i>Microporous and Mesoporous Materials</i> , 2016, 225, 440-449.	4.4	17
25	Title is missing!. <i>Catalysis Letters</i> , 1999, 58, 33-35.	2.6	16
26	Evidence for an H_2 promoting effect in the selective catalytic reduction of NO_x by propene on Au/Al_2O_3 . <i>Chemical Communications</i> , 2015, 51, 796-799.	4.1	15
27	On the radical cracking of n-propylbenzene to ethylbenzene or toluene over $Sn/AlO_x/Cl$ catalysts under reforming conditions. <i>Journal of Catalysis</i> , 2005, 230, 255-268.	6.2	14
28	Reactivity of a Hydroxylated Alumina Surface in the Presence of NO Diluted in N_2 : A PM-IRRAS in Situ Investigation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2964-2971.	3.1	14
29	Activation of $C-H$ Bond of Propane by Strong Basic Sites Generated by Bulk Proton Conduction on V -Modified Hydroxyapatites for the Formation of Propene.. <i>ChemCatChem</i> , 2020, 12, 2506-2521.	3.7	14
30	Title is missing!. <i>Catalysis Letters</i> , 2001, 77, 193-195.	2.6	13
31	A New Approach in the Kinetic Modelling of Three-Way Catalytic Reactions. <i>Topics in Catalysis</i> , 2004, 30/31, 311-317.	2.8	13
32	Kinetics and Mechanisms of n-Propylbenzene Hydrodealkylation Reactions over $Pt(Sn)/SiO_2$ and $(Cl^-)Al_2O_3$ Catalysts in Reforming Conditions. <i>Journal of Catalysis</i> , 2002, 210, 431-444.	6.2	12
33	CO - and N_2 -FTIR characterisation of oxidised Rh species supported on $Ce_{0.68}Zr_{0.32}O_2$. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3732-3740.	2.8	11
34	Evidence for Rh electron-deficient atoms (Rh^{+}) as the catalytic species for CO oxidation when supported on $Ce_{0.68}Zr_{0.32}O_2$: A combined N_2 -FTIR, benzene hydrogenation, and kinetic study. <i>Journal of Catalysis</i> , 2007, 247, 34-42.	6.2	11
35	Rational design of a CO_2 -resistant toluene hydrogenation catalyst based on FT-IR spectroscopy studies. <i>Journal of Catalysis</i> , 2014, 318, 61-66.	6.2	11
36	Non-Thermal Plasma Assisted Catalytic NO_x Remediation from a Lean Model Exhaust. , 0, , .		9

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37	Insights into the WO _x Coverage-Dependent Location and Oxidation State of Noble Metals Supported on Tungstated Oxides: The Case of Rh/WO _x –Ce _{0.62} Zr _{0.38} O ₂ . <i>Journal of Physical Chemistry C</i> , 2014, 118, 7386-7397.	3.1	9
38	Dissociation of dihydrogen and hydrogen sulfide over a sulfided NiMo-alumina catalyst as evidenced by D ₂ S-H ₂ isotopic exchange. <i>Catalysis Letters</i> , 1995, 34, 375-378.	2.6	8
39	Hydrothermally stable Pd/SiO ₂ @Zr Core@Shell catalysts for diesel oxidation applications. <i>Chemical Engineering Journal</i> , 2021, 425, 130637.	12.7	8
40	On the Clarification of the IR Stretching Vibration Assignment of Adsorbed N ₂ on Rh ₀ and Rh ⁺ Surface Atoms of Supported Rh Crystallites. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10075-10081.	2.6	7
41	On the Detrimental Effect of Tungstates on the n-C ₁₀ -SCR of NO _x on Ag/Al ₂ O ₃ . <i>Topics in Catalysis</i> , 2013, 56, 134-139.	2.8	7
42	Unraveling the Direct Decomposition of NO _x over Keggin Heteropolyacids and Their Deactivation Using a Combination of Gas-IR/MS and In Situ DRIFT Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22459-22470.	3.1	7
43	Development of a thermodynamic approach to assist the control of the precipitation of hydroxyapatites and associated calcium phosphates in open systems. <i>CrystEngComm</i> , 2021, 23, 4857-4870.	2.6	7
44	On the Comprehensive Precipitation of Hydroxyapatites Unraveled by a Combined Kinetic–Thermodynamic Approach. <i>Inorganic Chemistry</i> , 2022, 61, 3296-3308.	4.0	7
45	Chapter 5 A three-function model reaction for designing DeNO _x catalysts. <i>Studies in Surface Science and Catalysis</i> , 2007, , 145-173.	1.5	6
46	Surface species structure and activity in NO decomposition of an anatase-supported V–Mo catalyst. <i>Catalysis Today</i> , 2008, 137, 273-277.	4.4	6
47	On the reactivity of NO/N ₂ mixtures with aluminum surfaces: A combined PM-IRRAS and QCM investigation. <i>Surface Science</i> , 2008, 602, 283-290.	1.9	6
48	Promoting Ag/Al ₂ O ₃ Performance in Low-Temperature H ₂ -C ₃ H ₆ -SCR by Thermal Pretreatment of γ-Alumina in Water. <i>Catalysis Letters</i> , 2016, 146, 2622-2629.	2.6	6
49	Study on the role of platinum in PtMo/Al ₂ O ₃ for hydrodesulfurization of dibenzothiophene. <i>Studies in Surface Science and Catalysis</i> , 1997, 112, 171-178.	1.5	5
50	Evidence for the facile formation of nitrogen-containing compounds from NO _x and propene species on tungstated zirconia-based catalysts: Are these compounds active or spectator species in the selective catalytic reduction of NO _x by C ₃ H ₆ ? <i>Journal of Catalysis</i> , 2008, 259, 240-249.	6.2	5
51	Selective Catalytic Reduction of NO _x over Au/Al ₂ O ₃ : Influence of the Gold Loading on the Promoting Effect of H ₂ in H ₂ -Assisted C ₃ H ₆ -SCR of NO _x . <i>Catalysis Letters</i> , 2018, 148, 539-546.	2.6	4
52	On the origin of the changes in color of Ag/Al ₂ O ₃ catalysts during storage. <i>Research on Chemical Intermediates</i> , 2019, 45, 5877-5905.	2.7	4
53	Proposal for a common reactive adsorbate for ethylbenzene and indenic compounds in the conversion of n-propylbenzene over a precoked silica-supported platinum catalyst. <i>Journal of Catalysis</i> , 2003, 218, 411-418.	6.2	3
54	Assessing carbon or tungstates coverage of ZrO ₂ nanoparticles supported on MWCNT via NO _x -TPD. <i>Nano Structures Nano Objects</i> , 2018, 16, 110-119.	3.5	3

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55	Au-Modified Pd catalyst exhibits improved activity and stability for NO direct decomposition. Catalysis Science and Technology, 2021, 11, 2908-2914.	4.1	3
56	Synergistic Effect Between Ca ₄ V ₄ O ₁₄ and Vanadium-Substituted Hydroxyapatite in the Oxidative Dehydrogenation of Propane. ChemCatChem, 2021, 13, 3995-4009.	3.7	3
57	Influence of the nature of the reducible support on CO oxidation kinetics of supported Rh ⁺ catalysts: SnO ₂ versus Ce _{0.68} Zr _{0.32} O ₂ . Topics in Catalysis, 2007, 42-43, 363-366.	2.8	2
58	Organo-NO formation decomposition as the origin of the changes in the low temperature NO-TPD profile in the presence of n-decane on Ag/Al ₂ O ₃ . Catalysis Communications, 2014, 46, 81-85.	3.3	2
59	On the kinetics of CO oxidation by O ₂ over Rh(CO) ₂ catalytic species anchored to a zeolitic support. Topics in Catalysis, 2007, 42-43, 357-361.	2.8	1
60	Comment on "Direct Decomposition of NO _x over TiO ₂ Supported Transition Metal Oxides at Low Temperatures". Industrial & Engineering Chemistry Research, 2020, 59, 4835-4837.	3.7	1
61	Successive Strong Electrostatic Adsorptions of [RhCl ₆] ³⁻ on Tungstated-Ceria as an Original Approach to Preserve Rh Clusters From Sintering Under High-Temperature Reduction. Journal of Physical Chemistry C, 0, , .	3.1	0