# Cyril Thomas

List of Publications by Year
in descending order

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|---|---|---|---|
| 61<br>papers | 1,195<br>citations | 361413<br>20<br>h-index | 414414<br>32<br>g-index |
| 62<br>all docs | 62<br>docs citations | 62<br>times ranked | 1460<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | On the Comprehensive Precipitation of Hydroxyapatites Unraveled by a Combined Kineticâ€"Thermodynamic Approach. Inorganic Chemistry, 2022, 61, 3296-3308. | 4.0 | 7 |
| 2 | One-pot prepared mesoporous silica SBA-15-like monoliths with embedded Ni particles as selective and stable catalysts for methane dry reforming. Applied Catalysis B: Environmental, 2021, 280, 119417. | 20.2 | 69 |
| 3 | Au-Modified Pd catalyst exhibits improved activity and stability for NO direct decomposition. Catalysis Science and Technology, 2021, 11, 2908-2914. | 4.1 | 3 |
| 4 | Development of a thermodynamic approach to assist the control of the precipitation of hydroxyapatites and associated calcium phosphates in open systems. CrystEngComm, 2021, 23, 4857-4870. | 2.6 | 7 |
| 5 | Synergistic Effect Between Ca 4 V 4 O 14 and Vanadiumâ€Substituted Hydroxyapatite in the Oxidative Dehydrogenation of Propane. ChemCatChem, 2021, 13, 3995-4009. | 3.7 | 3 |
| 6 | Hydrothermally stable Pd/SiO2@Zr Core@Shell catalysts for diesel oxidation applications. Chemical Engineering Journal, 2021, 425, 130637. | 12.7 | 8 |
| 7 | Unraveling the Direct Decomposition of NO<i><sub>x</sub></i> over Keggin Heteropolyacids and Their Deactivation Using a Combination of Gas-IR/MS and In Situ DRIFT Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 22459-22470. | 3.1 | 7 |
| 8 | Phase selective synthesis of nickel silicide nanocrystals in molten salts for electrocatalysis of the oxygen evolution reaction. Nanoscale, 2020, 12, 15209-15213. | 5.6 | 22 |
| 9 | Activation of Câ^'H Bond of Propane by Strong Basic Sites Generated by Bulk Proton Conduction on Vâ€Modified Hydroxyapatites for the Formation of Propene.. ChemCatChem, 2020, 12, 2506-2521. | 3.7 | 14 |
| 10 | Comment on â€œDirect Decomposition of NO<sub><i>x</i></sub> over TiO<sub>2</sub> Supported Transition Metal Oxides at Low Temperaturesâ€• Industrial & Engineering Chemistry Research, 2020, 59, 4835-4837. | 3.7 | 1 |
| 11 | On the origin of the changes in color of Ag/Al2O3 catalysts during storage. Research on Chemical Intermediates, 2019, 45, 5877-5905. | 2.7 | 4 |
| 12 | Importance of the Nature of the Active Acid/Base Pairs of Hydroxyapatite Involved in the Catalytic Transformation of Ethanol to <i>n</i>â€Butanol Revealed by <i>Operando</i> DRIFTS. ChemCatChem, 2019, 11, 1765-1778. | 3.7 | 31 |
| 13 | Selective Catalytic Reduction of NO x over Au/Al2O3: Influence of the Gold Loading on the Promoting Effect of H2 in H2-Assisted C3H6-SCR of NO x. Catalysis Letters, 2018, 148, 539-546. | 2.6 | 4 |
| 14 | Assessing carbon or tungstates coverage of ZrO2 nanoparticles supported on MWCNT via NOx-TPD. Nano Structures Nano Objects, 2018, 16, 110-119. | 3.5 | 3 |
| 15 | Incorporation of vanadium into the framework of hydroxyapatites: importance of the vanadium content and pH conditions during the precipitation step. Physical Chemistry Chemical Physics, 2017, 19, 9630-9640. | 2.8 | 21 |
| 16 | In Situ Solidâ€"Gas Reactivity of Nanoscaled Metal Borides from Molten Salt Synthesis. Inorganic Chemistry, 2017, 56, 9225-9234. | 4.0 | 42 |
| 17 | Promoting Ag/Al2O3 Performance in Low-Temperature H2-C3H6-SCR by Thermal Pretreatment of Î³-Alumina in Water. Catalysis Letters, 2016, 146, 2622-2629. | 2.6 | 6 |
| 18 | Insights into the accessibility of Zr in Zr/SBA-15 mesoporous silica supports with increasing Zr loadings. Microporous and Mesoporous Materials, 2016, 225, 440-449. | 4.4 | 17 |

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| 19 | Enhancing low-temperature activity and durability of Pd-based diesel oxidation catalysts using ZrO2 supports. Applied Catalysis B: Environmental, 2016, 187, 181-194. | 20.2 | 50 |
| 20 | Evidence for an H<sub>2</sub> promoting effect in the selective catalytic reduction of NO<sub>x</sub> by propene on Au/Al<sub>2</sub>O<sub>3</sub>. Chemical Communications, 2015, 51, 796-799. | 4.1 | 15 |
| 21 | 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 formationâ€“decomposition of the organo-NO x intermediates?. Applied Catalysis B: Environmental, 2015, 162, 454-462. | 20.2 | 26 |
| 22 | Rational design of a CO2-resistant toluene hydrogenation catalyst based on FT-IR spectroscopy studies. Journal of Catalysis, 2014, 318, 61-66. | 6.2 | 11 |
| 23 | Insights into the WO<sub><i>x</i></sub> Coverage-Dependent Location and Oxidation State of Noble Metals Supported on Tungstated Oxides: The Case of Rh/WO<sub><i>x</i></sub>â€“Ce<sub>0.62</sub>Zr<sub>0.38</sub>O<sub>2</sub>. Journal of Physical Chemistry C, 2014, 118, 7386-7397. | 3.1 | 9 |
| 24 | Organo-NO formationâ€“decomposition as the origin of the changes in the low temperature NO-TPD profile in the presence of n-decane on Ag/Î³-Al2O3. Catalysis Communications, 2014, 46, 81-85. | 3.3 | 2 |
| 25 | Insights into the influence of the Ag loading on Al2O3 in the H2-assisted C3H6-SCR of NO. Applied Catalysis B: Environmental, 2014, 156-157, 192-201. | 20.2 | 30 |
| 26 | Identification of Surface Basic Sites and Acidâ€“Base Pairs of Hydroxyapatite. Journal of Physical Chemistry C, 2014, 118, 12744-12757. | 3.1 | 107 |
| 27 | On the Detrimental Effect of Tungstates on the n-C10-SCR of NO x on Ag/Î³-Al2O3. Topics in Catalysis, 2013, 56, 134-139. | 2.8 | 7 |
| 28 | Mononuclear pseudo-tetrahedral V species of VSiBEA zeolite as the active sites of the selective oxidative dehydrogenation of propane. Journal of Catalysis, 2013, 305, 46-55. | 6.2 | 39 |
| 29 | On the origin of the optimum loading of Ag on Al2O3 in the C3H6-SCR of NOx. Applied Catalysis B: Environmental, 2013, 142-143, 780-784. | 20.2 | 34 |
| 30 | Effect of vanadium dispersion and of support properties on the catalytic activity of V-containing silicas. Catalysis Today, 2012, 179, 140-148. | 4.4 | 35 |
| 31 | On the promoting effect of Au on CO oxidation kinetics of Auâ€“Pt bimetallic nanoparticles supported on SiO2: An electronic effect?. Journal of Catalysis, 2012, 287, 102-113. | 6.2 | 91 |
| 32 | Should W Surface Density of WOxâˆ’ZrO2 Catalysts Be Calculated With Respect To the Specific Surface Area of the Sample or That of ZrO2 Only?. Journal of Physical Chemistry C, 2011, 115, 2253-2256. | 3.1 | 21 |
| 33 | NO<sub><i>x</i></sub>-TPD as a Tool to Estimate the Accessible Zirconia Surface of ZrO<sub>2</sub>-Containing Materials. Journal of Physical Chemistry C, 2010, 114, 9731-9738. | 3.1 | 24 |
| 34 | Surface species structure and activity in NO decomposition of an anatase-supported Vâ€“Oâ€“Mo catalyst. Catalysis Today, 2008, 137, 273-277. | 4.4 | 6 |
| 35 | On the reactivity of NO/N2 mixtures with aluminum surfaces: A combined PM-IRRAS and QCM investigation. Surface Science, 2008, 602, 283-290. | 1.9 | 6 |
| 36 | Evidence for the facile formation of nitrogen-containing compounds from NOx and propene species on tungstated zirconia-based catalysts: Are these compounds active or spectator species in the selective catalytic reduction of NOx by C3H6?. Journal of Catalysis, 2008, 259, 240-249. | 6.2 | 5 |

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| 37 | Reactivity of a Hydroxylated Alumina Surface in the Presence of NO Diluted in N<sub>2</sub>:â€‰ A PM-IRRAS in Situ Investigation. Journal of Physical Chemistry C, 2008, 112, 2964-2971. | 3.1 | 14 |
| 38 | Chapter 5 A there-function model reaction for designing DeNOx catalysts. Studies in Surface Science and Catalysis, 2007, , 145-173. | 1.5 | 6 |
| 39 | Calibrated Co3O4 nanoparticles patterned in SBA-15 silicas: Accessibility and activity for CO oxidation. Catalysis Communications, 2007, 8, 2105-2109. | 3.3 | 30 |
| 40 | Evidence for Rh electron-deficient atoms (RhÎ´+) as the catalytic species for CO oxidation when supported on Ce0.68Zr0.32O2: A combined N2-FTIR, benzene hydrogenation, and kinetic study. Journal of Catalysis, 2007, 247, 34-42. | 6.2 | 11 |
| 41 | On the kinetics of CO oxidation by O2 over RhI(CO)2 catalytic species anchored to a zeolitic support. Topics in Catalysis, 2007, 42-43, 357-361. | 2.8 | 1 |
| 42 | Influence of the nature of the reducible support on CO oxidation kinetics of supported RhÎ´+ catalysts: SnO2 versus Ce0.68Zr0.32O2. Topics in Catalysis, 2007, 42-43, 363-366. | 2.8 | 2 |
| 43 | CO- and N2-FTIR characterisation of oxidised Rh species supported on Ce0.68Zr0.32O2. Physical Chemistry Chemical Physics, 2006, 8, 3732-3740. | 2.8 | 11 |
| 44 | On the Clarification of the IR Stretching Vibration Assignment of Adsorbed N2on Rh0and RhÎ´+Surface Atoms of Supported Rh Crystallites. Journal of Physical Chemistry B, 2006, 110, 10075-10081. | 2.6 | 7 |
| 45 | Influence of the nature of the noble metal on the lean C3H6-assisted decomposition of NO on Ce0.68Zr0.32O2-supported catalysts. Journal of Molecular Catalysis A, 2006, 249, 71-79. | 4.8 | 23 |
| 46 | On the promotional effect of Pd on the propene-assisted decomposition of NO on chlorinated Ce0.68Zr0.32O2. Applied Catalysis B: Environmental, 2006, 63, 201-214. | 20.2 | 31 |
| 47 | On the radical cracking of -propylbenzene to ethylbenzene or toluene over Sn/AlO?Cl catalysts under reforming conditions. Journal of Catalysis, 2005, 230, 255-268. | 6.2 | 14 |
| 48 | On the role of organic nitrogen-containing species as intermediates in the hydrocarbon-assisted SCR of NOx. Applied Catalysis B: Environmental, 2004, 54, 69-84. | 20.2 | 64 |
| 49 | NO<sub>x</sub>Reduction over CeO<sub>2</sub>â€“ZrO<sub>2</sub>Supported Iridium Catalyst in the Presence of Propanol. Topics in Catalysis, 2004, 30/31, 97-101. | 2.8 | 19 |
| 50 | A New Approach in the Kinetic Modelling of Three-Way Catalytic Reactions. Topics in Catalysis, 2004, 30/31, 311-317. | 2.8 | 13 |
| 51 | Simulation of the transient CO oxidation over Rh0/SiO2 and Rhx+/Ce0.68Zr0.32O2 catalysts. Journal of Catalysis, 2004, 224, 269-277. | 6.2 | 20 |
| 52 | Proposal for a common reactive adsorbate for ethylbenzene and indenic compounds in the conversion of n-propylbenzene over a precoked silica-supported platinum catalyst. Journal of Catalysis, 2003, 218, 411-418. | 6.2 | 3 |
| 53 | Kinetics and Mechanisms of n-Propylbenzene Hydrodealkylation Reactions over Pt(Sn)/SiO2 and (Clâ€“)Al2O3 Catalysts in Reforming Conditions. Journal of Catalysis, 2002, 210, 431-444. | 6.2 | 12 |
| 54 | Title is missing!. Catalysis Letters, 2001, 77, 193-195. | 2.6 | 13 |

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|---|---|---|---|
| 55 | Title is missing!. Catalysis Letters, 1999, 58, 33-35. | 2.6 | 16 |
| 56 | Deuterium Tracer Studies on Hydrotreating Catalysts. 2. Contribution of the Hydrogen of the Alumina Support to H-D Exchange. Journal of Catalysis, 1998, 179, 495-502. | 6.2 | 31 |
| 57 | Study on the role of platinum in PtMo/Al2O3 for hydrodesulfurization of dibenzothiophene. Studies in Surface Science and Catalysis, 1997, 112, 171-178. | 1.5 | 5 |
| 58 | Deuterium Tracer Studies on Hydrotreating Catalystsâ€"Isotopic Exchange between Hydrogen and Hydrogen Sulfide on Sulfided NiMo/Al2O3. Journal of Catalysis, 1997, 167, 1-11. | 6.2 | 45 |
| 59 | Dissociation of dihydrogen and hydrogen sulfide over a sulfided NiMo-alumina catalyst as evidenced by D2S-H2 isotopic exchange. Catalysis Letters, 1995, 34, 375-378. | 2.6 | 8 |
| 60 | Non-Thermal Plasma Assisted Catalytic NOx Remediation from a Lean Model Exhaust. , 0, , . | | 9 |
| 61 | Successive Strong Electrostatic Adsorptions of [RhCl6]3â€" 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 |