# Gustavo Aurelio Cifredo ChacÃ³n

List of Publications by Year
in descending order



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|---|---|---|---|
| 40 papers | 1,498 citations | 279701 23 h-index | 315616 38 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1443 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hydrogen chemisorption on ceria: influence of the oxide surface area and degree of reduction. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3499. | 1.7 | 138 |
| 2 | HREM study of the behaviour of a Rh/CeO2 catalyst under high temperature reducing and oxidizing conditions. Catalysis Today, 1995, 23, 219-250. | 2.2 | 134 |
| 3 | Reversibility of hydrogen chemisorption on a ceria-supported rhodium catalyst. Journal of Catalysis, 1992, 137, 1-11. | 3.1 | 129 |
| 4 | Microstructural and chemical properties of ceria-supported rhodium catalysts reduced at 773 K. The Journal of Physical Chemistry, 1993, 97, 4118-4123. | 2.9 | 108 |
| 5 | Influence of the calcination temperature on the nano-structural properties, surface basicity, and catalytic behavior of alumina-supported lanthana samples. Journal of Catalysis, 2010, 272, 121-130. | 3.1 | 81 |
| 6 | Influence of the Reduction/Evacuation Conditions on the Rate of Hydrogen Spillover on Rh/CeO2 Catalysts. Langmuir, 1994, 10, 717-722. | 1.6 | 76 |
| 7 | A novel CoOx/La-modified-CeO2 formulation for powdered and washcoated onto cordierite honeycomb catalysts with application in VOCs oxidation. Applied Catalysis B: Environmental, 2014, 144, 425-434. | 10.8 | 67 |
| 8 | Comments on "Redox Processes on Pure Ceria and Rh/CeO2 Catalyst Monitored by X-ray Absorption (Fast Acquisition Mode). The Journal of Physical Chemistry, 1995, 99, 11794-11796. | 2.9 | 58 |
| 9 | Original carbon-based honeycomb monoliths as support of Cu or Mn catalysts for low-temperature SCR of NO: Effects of preparation variables. Applied Catalysis A: General, 2008, 342, 150-158. | 2.2 | 49 |
| 10 | Metal-support interaction phenomena in rhodium/ceria and rhodium/titania catalysts: Comparative study by high-resolution transmission electron spectroscopy. Applied Catalysis A: General, 1993, 99, 1-8. | 2.2 | 46 |
| 11 | Reducibility of ceriaâ€“lanthana mixed oxides under temperature programmed hydrogen and inert gas flow conditions. Journal of Alloys and Compounds, 1997, 250, 449-454. | 2.8 | 41 |
| 12 | Title is missing!. Catalysis Letters, 1998, 53, 51-57. | 1.4 | 35 |
| 13 | Influence of the nature of the metal precursor salt on the redox behaviour of ceria in Rh/CeO2 catalysts. Studies in Surface Science and Catalysis, 1995, 96, 419-429. | 1.5 | 34 |
| 14 | XPS analysis and microstructural characterization of a Ce/Tb mixed oxide supported on a lanthana-modified transition alumina. Surface and Interface Analysis, 1999, 27, 941-949. | 0.8 | 33 |
| 15 | Preparation and characterization of a praseodymium oxide to be used as a catalytic support. Journal of Alloys and Compounds, 1992, 180, 271-279. | 2.8 | 31 |
| 16 | Preparation of rhodium catalysts dispersed on TiO2SiO2 aerogels. Journal of Non-Crystalline Solids, 1992, 147-148, 758-763. | 1.5 | 30 |
| 17 | The key role of highly dispersed rhodium in the chemistry of hydrogenâ€“ceria systems. Journal of the Chemical Society Chemical Communications, 1992, , 460-462. | 2.0 | 30 |
| 18 | Surface basicity of ceria-supported lanthana. Influence of the calcination temperature. Surface and Interface Analysis, 2006, 38, 229-233. | 0.8 | 29 |

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|---|---|---|---|
| 19 | Investigation by Means of H2 Adsorption, Diffraction, and Electron Microscopy Techniques of a Cerium/Terbium Mixed Oxide Supported on a Lanthana-Modified Alumina. Chemistry of Materials, 2002, 14, 844-850. | 3.2 | 26 |
| 20 | Catalytic behavior of lanthana promoted Rh/SiO2 catalysts: influence of the preparation procedure. Applied Catalysis A: General, 2001, 208, 111-123. | 2.2 | 24 |
| 21 | Easy route to activate clay honeycomb monoliths for environmental applications. Applied Clay Science, 2010, 47, 392-399. | 2.6 | 24 |
| 22 | Use of pillared clays in the preparation of washcoated clay honeycomb monoliths as support of manganese catalysts for the total oxidation of VOCs. Catalysis Today, 2017, 296, 84-94. | 2.2 | 24 |
| 23 | Easy extrusion of honeycomb-shaped monoliths using Moroccan natural clays and investigation of their dynamic adsorptive behavior towards VOCs. Journal of Hazardous Materials, 2009, 170, 87-95. | 6.5 | 23 |
| 24 | Low temperature prepared copper-iron mixed oxides for the selective CO oxidation in the presence of hydrogen. Applied Catalysis A: General, 2018, 552, 58-69. | 2.2 | 23 |
| 25 | Physicochemical characterization and adsorptive properties of some Moroccan clay minerals extruded as lab-scale monoliths. Applied Clay Science, 2007, 36, 287-296. | 2.6 | 22 |
| 26 | Chemical and microstructural investigation of Pt/CeO2 catalysts reduced at temperatures ranging from 473 to 973 K. Catalysis Today, 1996, 29, 77-81. | 2.2 | 20 |
| 27 | Unveiling the source of activity of carbon integral honeycomb monoliths in the catalytic methane decomposition reaction. Catalysis Today, 2015, 249, 86-93. | 2.2 | 20 |
| 28 | HREM characterization of metal catalysts supported on rare-earth oxides: samarium oxide as support. Ultramicroscopy, 1990, 34, 60-65. | 0.8 | 18 |
| 29 | Study of the Structural Modifications Induced by Reducing Treatments on a Pd/Ce0.8Tb0.2O2-x/La2O3â^'Al2O3Catalyst by Means of X-ray Diffraction and Electron Microscopy Techniques. Chemistry of Materials, 2002, 14, 1405-1410. | 3.2 | 17 |
| 30 | Ultrasound as a tool for the preparation of gels: effect on the textural properties of TiO2-SiO2 aerogels. Journal of Materials Science, 1993, 28, 2191-2195. | 1.7 | 16 |
| 31 | Study of the COCeO2 interaction in presence of highly dispersed rhodium. Journal of Molecular Catalysis, 1994, 89, 391-396. | 1.2 | 14 |
| 32 | Experimental evidences of the relationship between reducibility and micro- and nanostructure in commercial high surface area ceria. Applied Catalysis A: General, 2014, 479, 35-44. | 2.2 | 13 |
| 33 | Origin of the redox deactivation phenomena in modified alumina-supported Ce/Pr mixed oxide. Surface and Interface Analysis, 2008, 40, 250-253. | 0.8 | 10 |
| 34 | Resistance to Corrosion of Zirconia Coatings Deposited by Spray Pyrolysis in Nitrided Steel. Journal of Thermal Spray Technology, 2013, 22, 1242-1252. | 1.6 | 10 |
| 35 | Microstructure and catalytic properties of Rh and Ni dispersed on TiO2-SiO2 aerogels. Journal of Sol-Gel Science and Technology, 1994, 2, 831-836. | 1.1 | 9 |
| 36 | Actual constitution of the mixed oxide promoter in a Rh/Ce1â^'xPrxO2â^'y/Al2O3 catalyst. Evolution throughout the preparation steps. Surface and Interface Analysis, 2008, 40, 242-245. | 0.8 | 8 |

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| 37 | Effect of different alumina dopants on the redox deactivation produced by structural modifications on CePrOx/Al2O3 systems. Catalysis Today, 2012, 180, 184-189. | 2.2 | 8 |
| 38 | Carbon integral honeycomb monoliths as support of copper catalysts in the Kharaschâ€“Sosnovsky oxidation of cyclohexene. Chemical Engineering Journal, 2016, 290, 174-184. | 6.6 | 7 |
| 39 | Characterization of silica dispersed lanthana by CO2 adsorption. Journal of Alloys and Compounds, 1994, 207-208, 201-205. | 2.8 | 5 |
| 40 | The terbium oxide as support of highly dispersed metals. Study of the Rh/TbOx catalytic system. Journal of Alloys and Compounds, 1995, 225, 633-637. | 2.8 | 5 |