

Carlos L Pieck

List of Publications by Year in descending order

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67
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1,264
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361413

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docs citations

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times ranked

1147
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Tetragonal structure, anionic vacancies and catalytic activity of SO ₄ ²⁻ -ZrO ₂ catalysts for n-butane isomerization. Applied Catalysis A: General, 2002, 230, 137-151. | 4.3 | 70 |
| 2 | Selective hydrogenation of fatty acids and methyl esters of fatty acids to obtain fatty alcohols—a review. Journal of Chemical Technology and Biotechnology, 2017, 92, 27-42. | 3.2 | 64 |
| 3 | Influence of additives on the Pt metal activity of naphtha reforming catalysts. Applied Catalysis A: General, 2009, 354, 161-168. | 4.3 | 53 |
| 4 | Metal dispersion and catalytic activity of trimetallic Pt-Re-Sn/Al ₂ O ₃ naphtha reforming catalysts. Catalysis Today, 2005, 107-108, 637-642. | 4.4 | 41 |
| 5 | Differences in coke burning-off from Pt-Sn/Al ₂ O ₃ catalyst with oxygen or ozone. Applied Catalysis A: General, 2005, 278, 173-180. | 4.3 | 40 |
| 6 | Role of Sn in Pt-Re-Sn/Al ₂ O ₃ -Cl catalysts for naphtha reforming. Catalysis Today, 2005, 107-108, 643-650. | 4.4 | 39 |
| 7 | Depression of the Cloud Point of Biodiesel by Reaction over Solid Acids. Energy & Fuels, 2006, 20, 2721-2726. | 5.1 | 39 |
| 8 | Coking of SO ₄ ²⁻ -ZrO ₂ Catalysts during Isomerization of n-Butane and Its Relation to the Reaction Mechanism. Journal of Catalysis, 1999, 187, 39-49. | 6.2 | 34 |
| 9 | Influence of iridium content on the behavior of Pt-Ir/Al ₂ O ₃ and Pt-Ir/TiO ₂ catalysts for selective ring opening of naphthenes. Applied Catalysis A: General, 2013, 453, 167-174. | 4.3 | 34 |
| 10 | Characterization of residual coke during burning. Industrial & Engineering Chemistry Research, 1992, 31, 1017-1021. | 3.7 | 32 |
| 11 | Preparation of trimetallic Pt-Re-Ge/Al ₂ O ₃ and Pt-Ir-Ge/Al ₂ O ₃ naphtha reforming catalysts by surface redox reaction. Applied Catalysis A: General, 2007, 319, 210-217. | 4.3 | 32 |
| 12 | Influence of the iron content on the arsenic adsorption capacity of Fe/GAC adsorbents. Journal of Environmental Chemical Engineering, 2014, 2, 927-934. | 6.7 | 31 |
| 13 | Influence of the Axial Dispersion on the Performance of Tubular Reactors during the Noncatalytic Supercritical Transesterification of Triglycerides. Energy & Fuels, 2006, 20, 2642-2647. | 5.1 | 28 |
| 14 | Influence of the Brønsted acidity, SiO ₂ /Al ₂ O ₃ ratio and Rh-Pd content on the ring opening: Part I. Selective ring opening of decalin. Applied Catalysis A: General, 2014, 469, 532-540. | 4.3 | 28 |
| 15 | Hydroisomerization of Benzene-Containing Paraffinic Feedstocks over Pt/WO ₃ -ZrO ₂ Catalysts. Energy & Fuels, 2006, 20, 1791-1798. | 5.1 | 27 |
| 16 | Influence of Support Acidity and Ir Content on the Selective Ring Opening of Decalin over Ir/SiO ₂ -Al ₂ O ₃ . Energy & Fuels, 2017, 31, 5461-5471. | 5.1 | 26 |
| 17 | Optimal Ir/Pt ratio for the ring opening of decalin in zeolite supported catalysts. Applied Catalysis A: General, 2012, 445-446, 195-203. | 4.3 | 25 |
| 18 | Influence of preparation method and boron addition on the metal function properties of Ru ₂ Sn catalysts for selective carbonyl hydrogenation. Journal of Chemical Technology and Biotechnology, 2011, 86, 447-453. | 3.2 | 23 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Influence of the Support Material on the Activity and Selectivity of Ru-Sn-B Catalysts for the Selective Hydrogenation of Methyl Oleate. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 6845-6854. | 3.7 | 22 |
| 20 | Effect Of The Solvent Used During Preparation On The Properties Of Pt/Sn/Al ₂ O ₃ Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 5557-5563. | 3.7 | 21 |
| 21 | Characterization of Transition-Metal Oxides Promoted with Oxoanions by Means of Test Reactions. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1716-1721. | 3.7 | 21 |
| 22 | Analysis of coke deposition and study of the variables of regeneration and rejuvenation of naphtha reforming trimetallic catalysts. <i>Catalysis Today</i> , 2008, 133-135, 870-878. | 4.4 | 21 |
| 23 | Modification of Multimetallic Naphtha-Reforming Catalysts by Indium Addition. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 671-676. | 3.7 | 21 |
| 24 | Influence of Indium Content on the Properties of Pt-Re/Al ₂ O ₃ Naphtha Reforming Catalysts. <i>Catalysis Letters</i> , 2010, 136, 45-51. | 2.6 | 20 |
| 25 | Pt-Mg-Ir/Al ₂ O ₃ and Pt-Ir/HY zeolite catalysts for SRO of decalin. Influence of Ir content and support acidity. <i>Applied Catalysis A: General</i> , 2013, 452, 48-56. | 4.3 | 20 |
| 26 | Influence of Na content on the catalytic properties of Pt-Ir/Al ₂ O ₃ catalysts for selective ring opening of decalin. <i>Applied Catalysis A: General</i> , 2014, 480, 42-49. | 4.3 | 20 |
| 27 | Influence of the support on the selective ring opening of methylcyclohexane and decalin catalyzed by Rh-Pd catalysts. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 203-214. | 4.8 | 19 |
| 28 | Selective hydrogenation of oleic acid to fatty alcohols on Rh-Sn-B/Al ₂ O ₃ catalysts. Influence of Sn content. <i>Applied Catalysis A: General</i> , 2019, 584, 117149. | 4.3 | 19 |
| 29 | Sintering-redispersion of Pt-Re/Al ₂ O ₃ during regeneration. <i>Applied Catalysis</i> , 1990, 62, 47-60. | 0.8 | 18 |
| 30 | Influence of the operating conditions and kinetic analysis of the selective hydrogenation of oleic acid on Ru-Sn-B/Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2013, 467, 552-558. | 4.3 | 18 |
| 31 | Effect of the method of addition of Ge on the catalytic properties of Pt-Re/Al ₂ O ₃ and Pt-Ir/Al ₂ O ₃ naphtha reforming catalysts. <i>Catalysis Communications</i> , 2006, 7, 627-632. | 3.3 | 17 |
| 32 | Pt-Re-Ge/Al ₂ O ₃ catalysts for n-octane reforming: Influence of the order of addition of the metal precursors. <i>Applied Catalysis A: General</i> , 2012, 419-420, 156-163. | 4.3 | 17 |
| 33 | Influence of hydrothermal aging on the catalytic activity of sulfated zirconia. <i>Applied Catalysis A: General</i> , 2008, 348, 173-182. | 4.3 | 16 |
| 34 | Influence of gallium on the properties of Pt-Re/Al ₂ O ₃ naphtha reforming catalysts. <i>Applied Catalysis A: General</i> , 2011, 407, 49-55. | 4.3 | 15 |
| 35 | Influence of tin addition by redox reaction in different media on the catalytic properties of Pt-Re/Al ₂ O ₃ naphtha reforming catalysts. <i>Applied Catalysis A: General</i> , 2009, 370, 34-41. | 4.3 | 14 |
| 36 | Influence of the Brønsted acidity, SiO ₂ /Al ₂ O ₃ ratio and Rh-Pd content on the ring opening. Part II. Selective ring opening of methylcyclohexane. <i>Applied Catalysis A: General</i> , 2014, 469, 541-549. | 4.3 | 14 |

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|----|--|-----|-----------|
| 37 | Influence of the metallic content on Pt-Ir/Nb ₂ O ₅ catalysts for decalin selective ring opening. <i>Catalysis Today</i> , 2017, 289, 53-61. | 4.4 | 14 |
| 38 | Sulfur Poisoning of Bi- and Trimetallic γ -Al ₂ O ₃ -Supported Pt, Re, and Sn Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1222-1226. | 3.7 | 13 |
| 39 | Propane Oxidative Dehydrogenation on γ -Sb/ZrO ₂ Catalysts. <i>Catalysis Letters</i> , 2008, 122, 252-258. | 2.6 | 13 |
| 40 | Naphtha reforming Pt-Re-Ge/ γ -Al ₂ O ₃ catalysts prepared by catalytic reduction. <i>Catalysis Today</i> , 2008, 133-135, 13-19. | 4.4 | 13 |
| 41 | Catalytic Properties of Pt ^δ /Re/Al ₂ O ₃ /Naphtha-Reforming Catalysts Modified by Germanium Introduced by Redox Reaction at Different pH Values. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3771-3778. | 3.7 | 13 |
| 42 | Influence of Ge content on the activity of Ru ^δ -Ge ^δ /Al ₂ O ₃ catalysts for selective hydrogenation of methyl oleate to oleyl alcohol. <i>Catalysis Today</i> , 2013, 213, 81-86. | 4.4 | 13 |
| 43 | Controlled preparation and characterization of Pt-Rh/Al ₂ O ₃ bimetallic catalysts for reactions in reducing conditions. <i>Applied Catalysis A: General</i> , 2016, 517, 81-90. | 4.3 | 13 |
| 44 | Influence of rhodium content on the behavior of Rh/SiO ₂ -Al ₂ O ₃ catalysts for selective ring opening of decalin. <i>RSC Advances</i> , 2017, 7, 46803-46811. | 3.6 | 13 |
| 45 | Selective ring opening of methylcyclohexane and decalin over Rh ^δ -Pd supported catalysts: Effect of the preparation method. <i>Fuel Processing Technology</i> , 2015, 140, 180-187. | 7.2 | 12 |
| 46 | Modelling diffusion and adsorption of As species in Fe/GAC adsorbent beds. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1256-1264. | 3.2 | 11 |
| 47 | Influence of the operating conditions and kinetic analysis of the selective hydrogenation of methyl oleate on Ru ^δ -Sn ^δ /Al ₂ O ₃ catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 107, 127-139. | 1.7 | 11 |
| 48 | Comparison of coke burning on catalysts coked in a commercial plant and in the laboratory. <i>Industrial & Engineering Chemistry Research</i> , 1989, 28, 1785-1788. | 3.7 | 10 |
| 49 | Pt/SO ₄ ²⁻ -ZrO ₂ catalysts prepared from Pt organometallic compounds. <i>Applied Catalysis A: General</i> , 2002, 232, 169-180. | 4.3 | 10 |
| 50 | Influence of the pretreatment method on the properties of trimetallic Pt ^δ -Ir ^δ -Ge/Al ₂ O ₃ prepared by catalytic reduction. <i>Applied Catalysis A: General</i> , 2007, 332, 37-45. | 4.3 | 10 |
| 51 | Preparation and characterization of Ru-Sn/Al ₂ O ₃ catalysts for the hydrogenation of fatty acid methyl esters. <i>Quimica Nova</i> , 2010, 33, 269-272. | 0.3 | 10 |
| 52 | Selective ring opening of decalin with Pt ^δ -Ir/Al ₂ O ₃ catalyst prepared by catalytic reduction. <i>Catalysis Today</i> , 2011, 172, 177-182. | 4.4 | 10 |
| 53 | Influence of Support Material on the Activity and Selectivity of Pt ^δ -Ir Catalysts for Ring Opening Reactions. <i>Catalysis Letters</i> , 2015, 145, 910-918. | 2.6 | 8 |
| 54 | Catalytic activity of Pt-Re-Pb/Al ₂ O ₃ naphtha reforming catalysts. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1198-1204. | 3.2 | 7 |

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|----|--|-----|-----------|
| 55 | Influence of Time and Temperature on the Regeneration of PtReIn/Al ₂ O ₃ Naphtha Reforming Catalysts. <i>Catalysis Letters</i> , 2014, 144, 1178-1187. | 2.6 | 7 |
| 56 | Selective ring opening of decalin on Rh-Pd/SiO ₂ -Al ₂ O ₃ bifunctional systems: Catalytic performance and deactivation. <i>Fuel Processing Technology</i> , 2018, 177, 6-15. | 7.2 | 7 |
| 57 | Ru-Sn-B/TiO ₂ catalysts for methyl oleate selective hydrogenation. Influence of the preparation method and the chlorine content. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 982-991. | 3.2 | 7 |
| 58 | O ₂ and O ₃ regeneration of PtReSn/Al ₂ O ₃ and PtReGe/Al ₂ O ₃ naphtha reforming catalysts prepared by catalytic reduction. <i>Applied Catalysis A: General</i> , 2010, 388, 272-277. | 4.3 | 6 |
| 59 | Ru-Pt catalysts supported on Al ₂ O ₃ and SiO ₂ -Al ₂ O ₃ for the selective ring opening of naphthenes. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 749-756. | 1.7 | 6 |
| 60 | Ru-Sn-B/Al ₂ O ₃ Catalysts for Selective Hydrogenation of Methyl Oleate: Influence of the Ru/Sn Ratio. <i>Journal of Chemistry</i> , 2015, 2015, 1-7. | 1.9 | 5 |
| 61 | Deactivation study of Ru-Sn-B/Al ₂ O ₃ catalysts during selective hydrogenation of methyl oleate to fatty alcohol. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2333-2339. | 1.7 | 5 |
| 62 | Pretreatment Temperature Influence on the Selective Ring Opening of Decalin on Pt-Ir/TiO ₂ Catalysts. <i>Catalysis Letters</i> , 2017, 147, 758-764. | 2.6 | 4 |
| 63 | Pt-Ir/Al ₂ O ₃ catalysts for the ring opening of naphthenes. Performance as a function of time. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 127, 875-886. | 1.7 | 4 |
| 64 | Influence of the Ir content and the support on the thiotolerance of the Ir/Al ₂ O ₃ catalysts for selective ring opening of decalin. <i>Canadian Journal of Chemical Engineering</i> , 2021, 99, 1146-1157. | 1.7 | 4 |
| 65 | Selective hydrogenation of oleic acid to fatty alcohols over a Rh-Sn-B/Al ₂ O ₃ catalyst: kinetics and optimal reaction conditions. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 726-746. | 3.7 | 3 |
| 66 | Selectivity of platinum-rhenium-sulfur/alumina-chlorine reforming catalyst as a function of feed composition. <i>Industrial & Engineering Chemistry Research</i> , 1988, 27, 1751-1754. | 3.7 | 2 |
| 67 | Optimization of the Metal Phase Composition of Ir-Pd/SiO ₂ -Al ₂ O ₃ Catalysts to Increase Thiotolerance in Selective Ring Opening of Decalin. <i>Topics in Catalysis</i> , 2022, 65, 1209-1217. | 2.8 | 1 |