# Juan J Rodriguez Jimenez

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 300 papers | 16,046 citations | 16791 66 h-index | 32181 105 g-index |
| 303 all docs | 303 docs citations | 303 times ranked | 14973 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An overview of ionic liquid degradation by advanced oxidation processes. Critical Reviews in Environmental Science and Technology, 2022, 52, 2844-2887. | 6.6 | 7 |
| 2 | Highly stable UiO-66-NH2 by the microwave-assisted synthesis for solar photocatalytic water treatment. Journal of Environmental Chemical Engineering, 2022, 10, 107122. | 3.3 | 32 |
| 3 | Solar photocatalytic degradation of parabens using UiO-66-NH2. Separation and Purification Technology, 2022, 286, 120467. | 3.9 | 58 |
| 4 | Activity and Stability of Pd Bimetallic Catalysts for Catalytic Nitrate Reduction. Catalysts, 2022, 12, 729. | 1.6 | 3 |
| 5 | A review on alkaline earth metal titanates for applications in photocatalytic water purification. Chemical Engineering Journal, 2021, 409, 128110. | 6.6 | 42 |
| 6 | Integration of Hydrothermal Carbonization and Anaerobic Digestion for Energy Recovery of Biomass Waste: An Overview. Energy & Fuels, 2021, 35, 17032-17050. | 2.5 | 53 |
| 7 | Microwave-assisted synthesis of NH2-MIL-125(Ti) for the solar photocatalytic degradation of aqueous emerging pollutants in batch and continuous tests. Journal of Environmental Chemical Engineering, 2021, 9, 106230. | 3.3 | 56 |
| 8 | TiO2-carbon microspheres as photocatalysts for effective remediation of pharmaceuticals under simulated solar light. Separation and Purification Technology, 2021, 275, 119169. | 3.9 | 38 |
| 9 | Thiamethoxam removal by Fenton and biological oxidation. Journal of Chemical Technology and Biotechnology, 2020, 95, 913-921. | 1.6 | 11 |
| 10 | Biological oxidation of cholineâ€based ionic liquids in sequencing batch reactors. Journal of Chemical Technology and Biotechnology, 2020, 95, 922-931. | 1.6 | 7 |
| 11 | Control of selectivity in the reduction of nitrate by shielding of Pdâ€“Cu/C catalysts with AOT. Journal of Industrial and Engineering Chemistry, 2020, 82, 42-49. | 2.9 | 10 |
| 12 | Cation and anion effect on the biodegradability and toxicity of imidazoliumâ€“ and cholineâ€“based ionic liquids. Chemosphere, 2020, 240, 124947. | 4.2 | 73 |
| 13 | Anaerobic co-digestion of the process water from waste activated sludge hydrothermally treated with primary sewage sludge. A new approach for sewage sludge management. Renewable Energy, 2020, 146, 435-443. | 4.3 | 45 |
| 14 | Structured photocatalysts for the removal of emerging contaminants under visible or solar light. , 2020, , 41-98. | | 6 |
| 15 | Toxicity and inhibition assessment of ionic liquids by activated sludge. Ecotoxicology and Environmental Safety, 2020, 187, 109836. | 2.9 | 25 |
| 16 | Metalâ€“organic frameworks for water purification. , 2020, , 241-283. | | 5 |
| 17 | Understanding Hydrodechlorination of Chloromethanes. Past and Future of the Technology. Catalysts, 2020, 10, 1462. | 1.6 | 8 |
| 18 | Removal of emerging pollutants in aqueous phase by heterogeneous Fenton and photo-Fenton with Fe2O3-TiO2-clay heterostructures. Environmental Science and Pollution Research, 2020, 27, 38434-38445. | 2.7 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | High load drug release systems based on carbon porous nanocapsule carriers. Ibuprofen case study. Journal of Materials Chemistry B, 2020, 8, 5293-5304. | 2.9 | 21 |
| 20 | Deactivation and regeneration of activated carbon-supported Rh and Ru catalysts in the hydrodechlorination of chloromethanes into light olefins. Chemical Engineering Journal, 2020, 397, 125479. | 6.6 | 11 |
| 21 | Thermal Post-Treatments to Enhance the Water Stability of NH2-MIL-125(Ti). Catalysts, 2020, 10, 603. | 1.6 | 30 |
| 22 | Promoting Light Hydrocarbons Yield by Catalytic Hydrodechlorination of Residual Chloromethanes Using Palladium Supported on Zeolite Catalysts. Catalysts, 2020, 10, 199. | 1.6 | 12 |
| 23 | Review on Activated Carbons by Chemical Activation with FeCl3. Journal of Carbon Research, 2020, 6, 21. | 1.4 | 86 |
| 24 | Intensification of catalytic wet peroxide oxidation with microwave radiation: Activity and stability of carbon materials. Separation and Purification Technology, 2019, 209, 301-306. | 3.9 | 24 |
| 25 | CO<sub>2</sub> Capture by Supported Ionic Liquid Phase: Highlighting the Role of the Particle Size. ACS Sustainable Chemistry and Engineering, 2019, 7, 13089-13097. | 3.2 | 24 |
| 26 | Selectivity to Olefins in the Hydrodechlorination of Chloroform with Activated Carbon-Supported Palladium Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 20592-20600. | 1.8 | 9 |
| 27 | Recycling of Gas Phase Residual Dichloromethane by Hydrodechlorination: Regeneration of Deactivated Pd/C Catalysts. Catalysts, 2019, 9, 733. | 1.6 | 9 |
| 28 | Effect of Activating Agent on the Properties of TiO2/Activated Carbon Heterostructures for Solar Photocatalytic Degradation of Acetaminophen. Materials, 2019, 12, 378. | 1.3 | 51 |
| 29 | Photostability and photocatalytic degradation of ionic liquids in water under solar light. RSC Advances, 2019, 9, 2026-2033. | 1.7 | 18 |
| 30 | Mixed Ti-Zr metal-organic-frameworks for the photodegradation of acetaminophen under solar irradiation. Applied Catalysis B: Environmental, 2019, 253, 253-262. | 10.8 | 137 |
| 31 | N-Doped CMK-3 Carbons Supporting Palladium Nanoparticles as Catalysts for Hydrodechlorination. Industrial & Engineering Chemistry Research, 2019, 58, 4355-4363. | 1.8 | 22 |
| 32 | Reaction pathways of heat-activated persulfate oxidation of naphthenic acids in the presence and absence of dissolved oxygen in water. Chemical Engineering Journal, 2019, 370, 695-705. | 6.6 | 24 |
| 33 | Iron catalyst supported on modified kaolin for catalytic wet peroxide oxidation. Clay Minerals, 2019, 54, 67-73. | 0.2 | 10 |
| 34 | Low-Cost Activated Grape Seed-Derived Hydrochar through Hydrothermal Carbonization and Chemical Activation for Sulfamethoxazole Adsorption. Applied Sciences (Switzerland), 2019, 9, 5127. | 1.3 | 33 |
| 35 | Production of hydrogen from brewery wastewater by aqueous phase reforming with Pt/C catalysts. Applied Catalysis B: Environmental, 2019, 245, 367-375. | 10.8 | 39 |
| 36 | Anaerobic co-digestion of the aqueous phase from hydrothermally treated waste activated sludge with primary sewage sludge. A kinetic study. Journal of Environmental Management, 2019, 231, 726-733. | 3.8 | 48 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Removal of imidazolium-based ionic liquid by coupling Fenton and biological oxidation. Journal of Hazardous Materials, 2019, 365, 289-296. | 6.5 | 28 |
| 38 | Catalytic wet peroxide oxidation of imidazolium-based ionic liquids: Catalyst stability and biodegradability enhancement. Chemical Engineering Journal, 2019, 376, 120431. | 6.6 | 13 |
| 39 | Semiconductor Photocatalysis for Water Purification. , 2019, , 581-651. | | 68 |
| 40 | A Review on the Synthesis and Characterization of Metal Organic Frameworks for Photocatalytic Water Purification. Catalysts, 2019, 9, 52. | 1.6 | 215 |
| 41 | C-modified TiO2 using lignin as carbon precursor for the solar photocatalytic degradation of acetaminophen. Chemical Engineering Journal, 2019, 358, 1574-1582. | 6.6 | 82 |
| 42 | Valorization of microalgal biomass by hydrothermal carbonization and anaerobic digestion. Bioresource Technology, 2019, 274, 395-402. | 4.8 | 66 |
| 43 | Mesophilic anaerobic co-digestion of the organic fraction of municipal solid waste with the liquid fraction from hydrothermal carbonization of sewage sludge. Waste Management, 2018, 76, 315-322. | 3.7 | 72 |
| 44 | Enhancement of the activity of Pd/C catalysts in aqueous phase hydrodechlorination through doping of carbon supports. Catalysis Science and Technology, 2018, 8, 2598-2605. | 2.1 | 19 |
| 45 | Twoâ€step persulfate and Fenton oxidation of naphthenic acids in water. Journal of Chemical Technology and Biotechnology, 2018, 93, 2262-2270. | 1.6 | 13 |
| 46 | Electrolysis with diamond anodes: Eventually, there are refractory species!. Chemosphere, 2018, 195, 771-776. | 4.2 | 18 |
| 47 | Removal of imidazolium- and pyridinium-based ionic liquids by Fenton oxidation. Environmental Science and Pollution Research, 2018, 25, 34930-34937. | 2.7 | 33 |
| 48 | Effect of inoculum source and initial concentration on the anaerobic digestion of the liquid fraction from hydrothermal carbonisation of sewage sludge. Renewable Energy, 2018, 127, 697-704. | 4.3 | 69 |
| 49 | Cyclohexanoic acid breakdown by two-step persulfate and heterogeneous Fenton-like oxidation. Applied Catalysis B: Environmental, 2018, 232, 429-435. | 10.8 | 31 |
| 50 | Valorization of chloromethanes by hydrodechlorination with metallic catalysts. Catalysis Today, 2018, 310, 75-85. | 2.2 | 21 |
| 51 | Adsorption of antipyrine by activated carbons from FeCl3-activation of Tara gum. Chemical Engineering Journal, 2018, 333, 58-65. | 6.6 | 92 |
| 52 | Effect of structural ordering of the carbon support on the behavior of Pd catalysts in aqueous-phase hydrodechlorination. Chemical Engineering Science, 2018, 176, 400-408. | 1.9 | 13 |
| 53 | Valorisation of the liquid fraction from hydrothermal carbonisation of sewage sludge by anaerobic digestion. Journal of Chemical Technology and Biotechnology, 2018, 93, 450-456. | 1.6 | 59 |
| 54 | Properties of Carbon-supported Precious Metals Catalysts under Reductive Treatment and Their Influence in the Hydrodechlorination of Dichloromethane. Catalysts, 2018, 8, 664. | 1.6 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A Review on the Synthesis and Characterization of Biomass-Derived Carbons for Adsorption of Emerging Contaminants from Water. Journal of Carbon Research, 2018, 4, 63. | 1.4 | 80 |
| 56 | Exploration of the treatment of fish-canning industry effluents by aqueous-phase reforming using Pt/C catalysts. Environmental Science: Water Research and Technology, 2018, 4, 1979-1987. | 1.2 | 16 |
| 57 | Stability of carbon-supported iron catalysts for catalytic wet peroxide oxidation of ionic liquids. Journal of Environmental Chemical Engineering, 2018, 6, 6444-6450. | 3.3 | 7 |
| 58 | Activated carbon as catalyst for microwave-assisted wet peroxide oxidation of aromatic hydrocarbons. Environmental Science and Pollution Research, 2018, 25, 27748-27755. | 2.7 | 13 |
| 59 | Catalytic reduction of bromate over catalysts based on Pd nanoparticles synthesized via water-in-oil microemulsion. Applied Catalysis B: Environmental, 2018, 237, 206-213. | 10.8 | 19 |
| 60 | Assessment the ecotoxicity and inhibition of imidazolium ionic liquids by respiration inhibition assays. Ecotoxicology and Environmental Safety, 2018, 162, 29-34. | 2.9 | 31 |
| 61 | Chloroform conversion into ethane and propane by catalytic hydrodechlorination with Pd supported on activated carbons from lignin. Catalysis Science and Technology, 2018, 8, 3926-3935. | 2.1 | 21 |
| 62 | Anaerobic Co-digestion of the Organic Fraction of Municipal Solid Waste and the Liquid Fraction From the Hydrothermal Carbonization of Industrial Sewage Sludge Under Thermophilic Conditions. Frontiers in Sustainable Food Systems, 2018, 2, . | 1.8 | 13 |
| 63 | Platinum and N-doped carbon nanostructures as catalysts in hydrodechlorination reactions. Applied Catalysis B: Environmental, 2018, 238, 609-617. | 10.8 | 32 |
| 64 | From kinetics to equilibrium control in CO2 capture columns using Encapsulated Ionic Liquids (ENILs). Chemical Engineering Journal, 2018, 348, 661-668. | 6.6 | 46 |
| 65 | Zr-doped TiO2 supported on delaminated clay materials for solar photocatalytic treatment of emerging pollutants. Journal of Hazardous Materials, 2017, 322, 233-242. | 6.5 | 97 |
| 66 | CWPO of bisphenol A with iron catalysts supported on microporous carbons from grape seeds activation. Chemical Engineering Journal, 2017, 318, 153-160. | 6.6 | 25 |
| 67 | Innovative W-doped titanium dioxide anchored on clay for photocatalytic removal of atrazine. Catalysis Today, 2017, 280, 21-28. | 2.2 | 73 |
| 68 | Dechlorination and oxidative degradation of 4-chlorophenol with nanostructured iron-silver alginate beads. Journal of Environmental Chemical Engineering, 2017, 5, 838-842. | 3.3 | 16 |
| 69 | Application of CWPO to the treatment of pharmaceutical emerging pollutants in different water matrices with a ferromagnetic catalyst. Journal of Hazardous Materials, 2017, 331, 45-54. | 6.5 | 64 |
| 70 | Effect of the operating conditions on the colloidal and microemulsion synthesis of Pt in aqueous phase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 525, 77-84. | 2.3 | 5 |
| 71 | Metal-surfactant interaction as a tool to control the catalytic selectivity of Pd catalysts. Applied Catalysis A: General, 2017, 529, 32-39. | 2.2 | 9 |
| 72 | Enhanced anaerobic degradability of highly polluted pesticides-bearing wastewater under thermophilic conditions. Journal of Hazardous Materials, 2017, 339, 320-329. | 6.5 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Combining HDC and CWPO for the removal of p -chloro- m -cresol from water under ambient-like conditions. Applied Catalysis B: Environmental, 2017, 216, 20-29. | 10.8 | 13 |
| 74 | Hollow Nitrogen- or Boron-Doped Carbon Submicrospheres with a Porous Shell: Preparation and Application as Supports for Hydrodechlorination Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 7665-7674. | 1.8 | 19 |
| 75 | Kinetic modeling of wet peroxide oxidation with a carbon black catalyst. Applied Catalysis B: Environmental, 2017, 209, 701-710. | 10.8 | 22 |
| 76 | Synthesis, characterization and application of nanoscale zero-valent iron in the degradation of the azo dye Disperse Red 1. Journal of Environmental Chemical Engineering, 2017, 5, 628-634. | 3.3 | 37 |
| 77 | Fixed-bed adsorption of ionic liquids onto activated carbon from aqueous phase. Journal of Environmental Chemical Engineering, 2017, 5, 5347-5351. | 3.3 | 26 |
| 78 | P-, B- and N-doped carbon black for the catalytic wet peroxide oxidation of phenol: Activity, stability and kinetic studies. Catalysis Communications, 2017, 102, 131-135. | 1.6 | 19 |
| 79 | Effect of the Ptâ€“Pd molar ratio in bimetallic catalysts supported on sulfated zirconia on the gas-phase hydrodechlorination of chloromethanes. Journal of Catalysis, 2017, 352, 562-571. | 3.1 | 25 |
| 80 | Selective Reduction of Nitrite to Nitrogen with Carbon-Supported Pdâ€“AOT Nanoparticles. Industrial & Engineering Chemistry Research, 2017, 56, 11745-11754. | 1.8 | 11 |
| 81 | An overview on the application of advanced oxidation processes for the removal of naphthenic acids from water. Critical Reviews in Environmental Science and Technology, 2017, 47, 1337-1370. | 6.6 | 27 |
| 82 | Microwave-assisted catalytic wet peroxide oxidation. Comparison of Fe catalysts supported on activated carbon and ?-alumina. Applied Catalysis B: Environmental, 2017, 218, 637-642. | 10.8 | 47 |
| 83 | Polymer-based spherical activated carbon as catalytic support for hydrodechlorination reactions. Applied Catalysis B: Environmental, 2017, 218, 498-505. | 10.8 | 31 |
| 84 | Iron catalysts by chemical activation of sewage sludge with FeCl 3 for CWPO. Chemical Engineering Journal, 2017, 318, 224-230. | 6.6 | 72 |
| 85 | Naturally-occurring iron minerals as inexpensive catalysts for CWPO. Applied Catalysis B: Environmental, 2017, 203, 166-173. | 10.8 | 61 |
| 86 | Degradation of emerging pollutants in water under solar irradiation using novel TiO 2 -ZnO/clay nanoarchitectures. Chemical Engineering Journal, 2017, 309, 596-606. | 6.6 | 134 |
| 87 | Ag-Coated Heterostructures of ZnO-TiO2/Delaminated Montmorillonite as Solar Photocatalysts. Materials, 2017, 10, 960. | 1.3 | 39 |
| 88 | Improved synthesis and hydrothermal stability of Pt/C catalysts based on size-controlled nanoparticles. Catalysis Science and Technology, 2016, 6, 5196-5206. | 2.1 | 29 |
| 89 | On the effect of Ce incorporation on pillared clay-supported Pt and Ir catalysts for aqueous-phase hydrodechlorination. Applied Catalysis B: Environmental, 2016, 197, 236-243. | 10.8 | 17 |
| 90 | UV-LED assisted catalytic wet peroxide oxidation with a Fe(II)-Fe(III)/activated carbon catalyst. Applied Catalysis B: Environmental, 2016, 192, 350-356. | 10.8 | 36 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Fouling control in membrane bioreactors with sewage-sludge based adsorbents. Water Research, 2016, 105, 65-75. | 5.3 | 18 |
| 92 | Application of intensified Fenton oxidation to the treatment of hospital wastewater: Kinetics, ecotoxicity and disinfection. Journal of Environmental Chemical Engineering, 2016, 4, 4107-4112. | 3.3 | 45 |
| 93 | Carbon Materials from Lignin and Their Applications. Biofuels and Biorefineries, 2016, , 217-262. | 0.5 | 8 |
| 94 | Mineralization of naphtenic acids with thermally-activated persulfate: The important role of oxygen. Journal of Hazardous Materials, 2016, 318, 355-362. | 6.5 | 48 |
| 95 | Encapsulated Ionic Liquids for CO<sub>2</sub> Capture: Using 1â€Butylâ€methylimidazolium Acetate for Quick and Reversible CO<sub>2</sub> Chemical Absorption.. ChemPhysChem, 2016, 17, 3891-3899. | 1.0 | 51 |
| 96 | Improving the Fenton process by visible LED irradiation. Environmental Science and Pollution Research, 2016, 23, 23449-23455. | 2.7 | 15 |
| 97 | Biomass-Derived Microporous Carbon Materials with an Open Structure of Cross-Linked Sub-microfibers with Enhanced Adsorption Characteristics. Energy & Fuels, 2016, 30, 9510-9516. | 2.5 | 0 |
| 98 | Dechlorination of Dichloromethane by Hydrotreatment with Bimetallic Pd-Pt/C Catalyst. Catalysis Letters, 2016, 146, 2614-2621. | 1.4 | 13 |
| 99 | Platinum Nanoparticles Supported on Activated Carbon Catalysts for the Gas-Phase Hydrodechlorination of Dichloromethane: Influence of Catalyst Composition and Operating Conditions. Nanomaterials and Nanotechnology, 2016, 6, 18. | 1.2 | 7 |
| 100 | Ammonia capture from the gas phase by encapsulated ionic liquids (ENILs). RSC Advances, 2016, 6, 61650-61660. | 1.7 | 45 |
| 101 | Degradation of imidazolium-based ionic liquids by catalytic wet peroxide oxidation with carbon and magnetic iron catalysts. Journal of Chemical Technology and Biotechnology, 2016, 91, 2882-2887. | 1.6 | 18 |
| 102 | Diuron Multilayer Adsorption on Activated Carbon from CO<sub>2</sub>Activation of Grape Seeds. Chemical Engineering Communications, 2016, 203, 103-113. | 1.5 | 21 |
| 103 | Enhanced activity of carbon-supported Pdâ€“Pt catalysts in the hydrodechlorination of dichloromethane. Applied Catalysis B: Environmental, 2016, 184, 55-63. | 10.8 | 38 |
| 104 | Solar photocatalytic purification of water with Ce-doped TiO2/clay heterostructures. Catalysis Today, 2016, 266, 36-45. | 2.2 | 69 |
| 105 | Catalysts based on large size-controlled Pd nanoparticles for aqueous-phase hydrodechlorination. Chemical Engineering Journal, 2016, 294, 40-48. | 6.6 | 27 |
| 106 | Multiple approaches to control and assess the size of Pd nanoparticles synthesized via water-in-oil microemulsion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 28-34. | 2.3 | 19 |
| 107 | On the performance of Pd and Rh catalysts over different supports in the hydrodechlorination of the MCPA herbicide. Applied Catalysis B: Environmental, 2016, 186, 151-156. | 10.8 | 19 |
| 108 | Assessment of toxicity and biodegradability on activated sludge of priority and emerging pollutants. Environmental Technology (United Kingdom), 2016, 37, 713-721. | 1.2 | 35 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Degradation of organochlorinated pollutants in water by catalytic hydrodechlorination and photocatalysis. Catalysis Today, 2016, 266, 168-174. | 2.2 | 23 |
| 110 | Analysis of the deactivation of Pd, Pt and Rh on activated carbon catalysts in the hydrodechlorination of the MCPA herbicide. Applied Catalysis B: Environmental, 2016, 181, 429-435. | 10.8 | 31 |
| 111 | On the optimization of activated carbon-supported iron catalysts in catalytic wet peroxide oxidation process. Applied Catalysis B: Environmental, 2016, 181, 249-259. | 10.8 | 53 |
| 112 | Colloidal and microemulsion synthesis of rhenium nanoparticles in aqueous medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 469, 202-210. | 2.3 | 16 |
| 113 | Kinetic Study of the Hydrodechlorination of Chloromethanes with Activated-Carbon-Supported Metallic Catalysts. Industrial & Engineering Chemistry Research, 2015, 54, 2023-2029. | 1.8 | 13 |
| 114 | Short-term fouling control by cyclic aeration in membrane bioreactors for cosmetic wastewater treatment. Desalination and Water Treatment, 2015, 56, 3599-3606. | 1.0 | 11 |
| 115 | Application of Fenton-like oxidation as pre-treatment for carbamazepine biodegradation. Chemical Engineering Journal, 2015, 264, 856-862. | 6.6 | 60 |
| 116 | Activity enhancement and selectivity tuneability in aqueous phase hydrodechlorination by use of controlled growth Pd-Rh nanoparticles. Applied Catalysis B: Environmental, 2015, 168-169, 283-292. | 10.8 | 29 |
| 117 | Gas-phase hydrodechlorination of mixtures of chloromethanes with activated carbon-supported platinum catalysts. Applied Catalysis B: Environmental, 2015, 179, 551-557. | 10.8 | 26 |
| 118 | Catalytic hydrodechlorination of p-chloro-m-cresol and 2,4,6-trichlorophenol with Pd and Rh supported on Al-pillared clays. Chemical Engineering Journal, 2015, 273, 363-370. | 6.6 | 19 |
| 119 | Titaniaâ€“clay heterostructures with solar photocatalytic applications. Applied Catalysis B: Environmental, 2015, 176-177, 278-287. | 10.8 | 78 |
| 120 | Preparation of magnetite-based catalysts and their application in heterogeneous Fenton oxidation â€“ A review. Applied Catalysis B: Environmental, 2015, 176-177, 249-265. | 10.8 | 593 |
| 121 | Trends in the Intensification of the Fenton Process for Wastewater Treatment: An Overview. Critical Reviews in Environmental Science and Technology, 2015, 45, 2611-2692. | 6.6 | 191 |
| 122 | Hydrodechlorination activity of catalysts based on nitrogen-doped carbons from low-density polyethylene. Carbon, 2015, 87, 444-452. | 5.4 | 16 |
| 123 | Ozone as oxidation agent in cyclic activation of biochar. Fuel Processing Technology, 2015, 139, 42-48. | 3.7 | 43 |
| 124 | Deactivation of a Pd/AC catalyst in the hydrodechlorination of chlorinated herbicides. Catalysis Today, 2015, 241, 86-91. | 2.2 | 30 |
| 125 | Ionic liquids breakdown by Fenton oxidation. Catalysis Today, 2015, 240, 16-21. | 2.2 | 64 |
| 126 | Application of highâ€temperature Fenton oxidation for the treatment of sulfonation plant wastewater. Journal of Chemical Technology and Biotechnology, 2015, 90, 1839-1846. | 1.6 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Deactivation behavior of Pd/C and Pt/C catalysts in the gas-phase hydrodechlorination of chloromethanes: Structureâ€“reactivity relationship. Applied Catalysis B: Environmental, 2015, 162, 532-543. | 10.8 | 40 |
| 128 | Comparison of bioaugmented EGSB and GACâ€“FBB reactors and their combination with aerobic SBR for the abatement of chlorophenols. Chemical Engineering Journal, 2015, 259, 277-285. | 6.6 | 25 |
| 129 | Treatment of cosmetic wastewater by a full-scale membrane bioreactor (MBR). Environmental Science and Pollution Research, 2014, 21, 12662-12670. | 2.7 | 17 |
| 130 | Anaerobic biodegradability of mixtures of pesticides in an expanded granular sludge bed reactor. Water Science and Technology, 2014, 69, 532-538. | 1.2 | 13 |
| 131 | Degradation of imidazoliumâ€based ionic liquids in aqueous solution by Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1197-1202. | 1.6 | 53 |
| 132 | Kinetic Analysis of 4-Chlorophenol Hydrodechlorination Catalyzed by Rh Nanoparticles Based on the Two-Step Reaction and Langmuirâ€“Hinshelwood Mechanisms. Catalysis Letters, 2014, 144, 2080-2085. | 1.4 | 9 |
| 133 | Graphite and carbon black materials as catalysts for wet peroxide oxidation. Applied Catalysis B: Environmental, 2014, 144, 599-606. | 10.8 | 54 |
| 134 | Catalytic HDC/HDN of 4-chloronitrobenzene in water under ambient-like conditions with Pd supported on pillared clay. Applied Catalysis B: Environmental, 2014, 158-159, 175-181. | 10.8 | 36 |
| 135 | Complete degradation of the persistent antiâ€depressant sertraline in aqueous solution by solar photoâ€Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 814-818. | 1.6 | 19 |
| 136 | Treatment of real winery wastewater by wet oxidation at mild temperature. Separation and Purification Technology, 2014, 129, 121-128. | 3.9 | 45 |
| 137 | Effect of size and oxidation state of size-controlled rhodium nanoparticles on the aqueous-phase hydrodechlorination of 4-chlorophenol. Chemical Engineering Journal, 2014, 240, 271-280. | 6.6 | 55 |
| 138 | Aqueous-phase hydrodechlorination of chlorophenols with pillared clays-supported Pt, Pd and Rh catalysts. Applied Catalysis B: Environmental, 2014, 148-149, 330-338. | 10.8 | 110 |
| 139 | Improved Î³-alumina-supported Pd and Rh catalysts for hydrodechlorination of chlorophenols. Applied Catalysis A: General, 2014, 488, 78-85. | 2.2 | 35 |
| 140 | Activation of waste tire char by cyclic liquid-phase oxidation. Fuel Processing Technology, 2014, 127, 157-162. | 3.7 | 25 |
| 141 | Fate of iron oxalates in aqueous solution: The role of temperature, iron species and dissolved oxygen. Journal of Environmental Chemical Engineering, 2014, 2, 2236-2241. | 3.3 | 18 |
| 142 | Application of intensified Fenton oxidation to the treatment of sawmill wastewater. Chemosphere, 2014, 109, 34-41. | 4.2 | 57 |
| 143 | Strategies to evaluate biodegradability: application to chlorinated herbicides. Environmental Science and Pollution Research, 2014, 21, 9445-9452. | 2.7 | 28 |
| 144 | Preparation of granular activated carbons from grape seeds by cycles of liquid phase oxidation and thermal desorption. Fuel Processing Technology, 2014, 118, 148-155. | 3.7 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Coupling Fenton and biological oxidation for the removal of nitrochlorinated herbicides from water. Water Research, 2014, 49, 197-206. | 5.3 | 43 |
| 146 | Kinetics of wet peroxide oxidation of phenol with a gold/activated carbon catalyst. Chemical Engineering Journal, 2014, 253, 486-492. | 6.6 | 34 |
| 147 | Combining efficiently catalytic hydrodechlorination and wet peroxide oxidation (HDCâ€“CWPO) for the abatement of organochlorinated water pollutants. Applied Catalysis B: Environmental, 2014, 150-151, 197-203. | 10.8 | 22 |
| 148 | ANALYSIS OF THE OPERATING CONDITIONS IN THE TREATMENT OF COSMETIC WASTEWATER BY SEQUENCING BATCH REACTORS. Environmental Engineering and Management Journal, 2014, 13, 2955-2962. | 0.2 | 7 |
| 149 | Improved wet peroxide oxidation strategies for the treatment of chlorophenols. Chemical Engineering Journal, 2013, 228, 646-654. | 6.6 | 25 |
| 150 | Low-temperature anaerobic treatment of low-strength pentachlorophenol-bearing wastewater. Bioresource Technology, 2013, 140, 349-356. | 4.8 | 24 |
| 151 | Development of porosity upon physical activation of grape seeds char by gas phase oxygen chemisorptionâ€“desorption cycles. Chemical Engineering Journal, 2013, 231, 172-181. | 6.6 | 23 |
| 152 | Oxidation Reactivity and Structure of LDPE-Derived Solid Carbons: A Temperature-Programmed Oxidation Study. Energy & Fuels, 2013, 27, 1151-1161. | 2.5 | 14 |
| 153 | Highly efficient application of activated carbon as catalyst for wet peroxide oxidation. Applied Catalysis B: Environmental, 2013, 140-141, 663-670. | 10.8 | 91 |
| 154 | Case study of the application of Fenton process to highly polluted wastewater from power plant. Journal of Hazardous Materials, 2013, 252-253, 180-185. | 6.5 | 40 |
| 155 | Degradation of chlorophenoxy herbicides by coupled Fenton and biological oxidation. Chemosphere, 2013, 93, 115-122. | 4.2 | 53 |
| 156 | Preparation of hollow submicrocapsules with a mesoporous carbon shell. Carbon, 2013, 59, 430-438. | 5.4 | 21 |
| 157 | Porous structure and morphology of granular chars from flash and conventional pyrolysis of grape seeds. Biomass and Bioenergy, 2013, 54, 123-132. | 2.9 | 50 |
| 158 | Colloidal templating synthesis and adsorption characteristics of microporousâ€“mesoporous carbons from Kraft lignin. Carbon, 2013, 62, 233-239. | 5.4 | 46 |
| 159 | Activated carbon supported metal catalysts for reduction of nitrate in water with high selectivity towards N2. Applied Catalysis B: Environmental, 2013, 138-139, 141-148. | 10.8 | 69 |
| 160 | Identification of by-products and toxicity assessment in aqueous-phase hydrodechlorination of diuron with palladium on activated carbon catalysts. Chemosphere, 2013, 91, 1317-1323. | 4.2 | 13 |
| 161 | Chlorophenols breakdown by a sequential hydrodechlorination-oxidation treatment with a magnetic Pdâ€“Fe/Î³-Al2O3 catalyst. Water Research, 2013, 47, 3070-3080. | 5.3 | 45 |
| 162 | The use of cyclic voltammetry to assess the activity of carbon materials for hydrogen peroxide decomposition. Carbon, 2013, 60, 76-83. | 5.4 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | A ferromagnetic Î³-alumina-supported iron catalyst for CWPO. Application to chlorophenols. Applied Catalysis B: Environmental, 2013, 136-137, 218-224. | 10.8 | 77 |
| 164 | Optimized ionic liquids for toluene absorption. AICHE Journal, 2013, 59, 1648-1656. | 1.8 | 90 |
| 165 | Interactions of Ionic Liquids and Acetone: Thermodynamic Properties, Quantum-Chemical Calculations, and NMR Analysis. Journal of Physical Chemistry B, 2013, 117, 7388-7398. | 1.2 | 68 |
| 166 | Comparison of different precious metals in activated carbon-supported catalysts for the gas-phase hydrodechlorination of chloromethanes. Applied Catalysis B: Environmental, 2013, 132-133, 256-265. | 10.8 | 59 |
| 167 | On the Kinetics of Ionic Liquid Adsorption onto Activated Carbons from Aqueous Solution. Industrial & Engineering Chemistry Research, 2013, 52, 2969-2976. | 1.8 | 32 |
| 168 | Enhanced Pd pillared clays by Rh inclusion for the catalytic hydrodechlorination of chlorophenols in water. Water Science and Technology, 2012, 65, 653-660. | 1.2 | 9 |
| 169 | Removal of chlorinated organic volatile compounds by gas phase adsorption with activated carbon. Chemical Engineering Journal, 2012, 211-212, 246-254. | 6.6 | 99 |
| 170 | Adsorption of 4-chlorophenol by inexpensive sewage sludge-based adsorbents. Chemical Engineering Research and Design, 2012, 90, 1807-1814. | 2.7 | 58 |
| 171 | Hydrodechlorination of dichloromethane with mono- and bimetallic Pdâ€“Pt on sulfated and tungstated zirconia catalysts. Journal of Catalysis, 2012, 294, 207-215. | 3.1 | 35 |
| 172 | Encapsulated ionic liquids (ENILs): from continuous to discrete liquid phase. Chemical Communications, 2012, 48, 10046. | 2.2 | 49 |
| 173 | Treatment of Highly Polluted Hazardous Industrial Wastewaters by Combined Coagulationâ€“Adsorption and High-Temperature Fenton Oxidation. Industrial & Engineering Chemistry Research, 2012, 51, 2888-2896. | 1.8 | 65 |
| 174 | Screening ionic liquids as suitable ammonia absorbents on the basis of thermodynamic and kinetic analysis. Separation and Purification Technology, 2012, 95, 188-195. | 3.9 | 73 |
| 175 | Catalytic behavior of size-controlled palladium nanoparticles in the hydrodechlorination of 4-chlorophenol in aqueous phase. Journal of Catalysis, 2012, 293, 85-93. | 3.1 | 107 |
| 176 | Triclosan breakdown by Fenton-like oxidation. Chemical Engineering Journal, 2012, 198-199, 275-281. | 6.6 | 64 |
| 177 | Mechanistic understanding of the behavior of diuron in the adsorption from water onto activated carbon. Chemical Engineering Journal, 2012, 198-199, 346-354. | 6.6 | 27 |
| 178 | Activated carbon from grape seeds upon chemical activation with phosphoric acid: Application to the adsorption of diuron from water. Chemical Engineering Journal, 2012, 203, 348-356. | 6.6 | 160 |
| 179 | Developing criteria for the recovery of ionic liquids from aqueous phase by adsorption with activated carbon. Separation and Purification Technology, 2012, 97, 11-19. | 3.9 | 82 |
| 180 | Inhibition of methanogenesis by chlorophenols: a kinetic approach. New Biotechnology, 2012, 30, 51-61. | 2.4 | 27 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Granular Mesoporous Activated Carbons from Waste Tires by Cyclic Oxygen Chemisorptionâ€“Desorption. Industrial & Engineering Chemistry Research, 2012, 51, 2609-2614. | 1.8 | 22 |
| 182 | Chlorinated Byproducts from the Fenton-like Oxidation of Polychlorinated Phenols. Industrial & Engineering Chemistry Research, 2012, 51, 13092-13099. | 1.8 | 36 |
| 183 | Intensification of sequencing batch reactors by cometabolism and bioaugmentation with Pseudomonas putida for the biodegradation of 4â€chlorophenol. Journal of Chemical Technology and Biotechnology, 2012, 87, 1270-1275. | 1.6 | 22 |
| 184 | On the biodegradability of nitrophenols and their reaction products by catalytic hydrogenation*. Journal of Chemical Technology and Biotechnology, 2012, 87, 1263-1269. | 1.6 | 6 |
| 185 | Ligninâ€based activated carbons as adsorbents for crystal violet removal from aqueous solutions. Environmental Progress and Sustainable Energy, 2012, 31, 386-396. | 1.3 | 29 |
| 186 | Highly stable Fe on activated carbon catalysts for CWPO upon FeCl3 activation of lignin from black liquors. Catalysis Today, 2012, 187, 115-121. | 2.2 | 76 |
| 187 | Adsorbent ability of lignin-based activated carbons for the removal of p-nitrophenol from aqueous solutions. Chemical Engineering Journal, 2012, 184, 176-183. | 6.6 | 82 |
| 188 | Supported gold nanoparticle catalysts for wet peroxide oxidation. Applied Catalysis B: Environmental, 2012, 111-112, 81-89. | 10.8 | 56 |
| 189 | Enhancement of cometabolic biodegradation of 4-chlorophenol induced with phenol and glucose as carbon sources by Comamonas testosteroni. Journal of Environmental Management, 2012, 95, S116-S121. | 3.8 | 75 |
| 190 | Anaerobic treatment of wastewater from used industrial oil recovery. Journal of Chemical Technology and Biotechnology, 2012, 87, 1320-1328. | 1.6 | 18 |
| 191 | Intensification of the Fenton Process by Increasing the Temperature. Industrial & Engineering Chemistry Research, 2011, 50, 866-870. | 1.8 | 173 |
| 192 | Density Functional Theory Analysis of Dichloromethane and Hydrogen Interaction with Pd Clusters: First Step to Simulate Catalytic Hydrodechlorination. Journal of Physical Chemistry C, 2011, 115, 14180-14192. | 1.5 | 41 |
| 193 | Effect of 2,4,6-trichlorophenol on the microbial activity of adapted anaerobic granular sludge bioaugmented with Desulfitobacterium strains. New Biotechnology, 2011, 29, 79-89. | 2.4 | 26 |
| 194 | Task-specific ionic liquids for efficient ammonia absorption. Separation and Purification Technology, 2011, 82, 43-52. | 3.9 | 140 |
| 195 | Hydrodechlorination of chloromethanes with a highly stable Pt on activated carbon catalyst. Journal of Catalysis, 2011, 279, 389-396. | 3.1 | 62 |
| 196 | Effects of heat treatment on the structure of LDPE-derived solid carbons. Chemical Engineering Journal, 2011, 172, 1126-1136. | 6.6 | 9 |
| 197 | Improved mineralization by combined advanced oxidation processes. Chemical Engineering Journal, 2011, 174, 134-142. | 6.6 | 37 |
| 198 | Cationic dyes removal by multilayer adsorption on activated carbons from lignin. Journal of Porous Materials, 2011, 18, 693-702. | 1.3 | 19 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Comparison of experimental methods for determination of toxicity and biodegradability of xenobiotic compounds. Biodegradation, 2011, 22, 751-761. | 1.5 | 49 |
| 200 | Characterization of Supported Ionic Liquid Phase (SILP) materials prepared from different supports. Adsorption, 2011, 17, 561-571. | 1.4 | 132 |
| 201 | Cosmetic wastewater treatment by upflow anaerobic sludge blanket reactor. Journal of Hazardous Materials, 2011, 185, 1059-1065. | 6.5 | 46 |
| 202 | Highly stable Fe/Î³â€Al<sub>2</sub>O<sub>3</sub> catalyst for catalytic wet peroxide oxidation. Journal of Chemical Technology and Biotechnology, 2011, 86, 497-504. | 1.6 | 63 |
| 203 | Influence of the structural and surface characteristics of activated carbon on the catalytic decomposition of hydrogen peroxide. Applied Catalysis A: General, 2011, 402, 146-155. | 2.2 | 122 |
| 204 | Activated carbons from sewage sludge. Desalination, 2011, 277, 377-382. | 4.0 | 124 |
| 205 | Compared activity and stability of Pd/Al2O3 and Pd/AC catalysts in 4-chlorophenol hydrodechlorination in different pH media. Applied Catalysis B: Environmental, 2011, 103, 128-135. | 10.8 | 89 |
| 206 | Comparison of activated carbon-supported Pd and Rh catalysts for aqueous-phase hydrodechlorination. Applied Catalysis B: Environmental, 2011, 106, 469-475. | 10.8 | 81 |
| 207 | Assessment of the generation of chlorinated byproducts upon Fenton-like oxidation of chlorophenols at different conditions. Journal of Hazardous Materials, 2011, 190, 993-1000. | 6.5 | 109 |
| 208 | Anaerobic biodegradation of 2,4,6-trichlorophenol in expanded granular sludge bed and fluidized bed biofilm reactors bioaugmented with Desulfitobacterium spp.. Water Science and Technology, 2011, 64, 293-299. | 1.2 | 7 |
| 209 | Hydrodechlorination of 4-chlorophenol in water using Rhâ€“Al pillared clays. Chemical Engineering Journal, 2010, 160, 578-585. | 6.6 | 35 |
| 210 | Equilibrium and Kinetic Study of Congo Red Adsorption onto Lignin-Based Activated Carbons. Transport in Porous Media, 2010, 83, 573-590. | 1.2 | 44 |
| 211 | Hydrogen peroxide-promoted-CWAO of phenol with activated carbon. Applied Catalysis B: Environmental, 2010, 93, 339-345. | 10.8 | 56 |
| 212 | Hydrodechlorination of chloromethanes with Pd on activated carbon catalysts for the treatment of residual gas streams. Applied Catalysis B: Environmental, 2010, 96, 148-156. | 10.8 | 48 |
| 213 | Hydrodechlorination of dichloromethane with a Pd/AC catalyst: Reaction pathway and kinetics. Applied Catalysis B: Environmental, 2010, 98, 79-85. | 10.8 | 53 |
| 214 | Catalytic wet peroxide oxidation of cosmetic wastewaters with Fe-bearing catalysts. Catalysis Today, 2010, 151, 148-152. | 2.2 | 81 |
| 215 | Gas-phase hydrodechlorination of dichloromethane with activated carbon-supported metallic catalysts. Chemical Engineering Journal, 2010, 162, 599-608. | 6.6 | 39 |
| 216 | Hydrodechlorination of diuron in aqueous solution with Pd, Cu and Ni on activated carbon catalysts. Chemical Engineering Journal, 2010, 163, 212-218. | 6.6 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Cost-efficient management of coastal aquifers via recharge with treated wastewater and desalination of brackish groundwater: general framework. Hydrological Sciences Journal, 2010, 55, 1217-1233. | 1.2 | 31 |
| 218 | CWPO of 4-CP and industrial wastewater with Alâ€“Fe pillared clays. Water Science and Technology, 2010, 61, 2161-2168. | 1.2 | 18 |
| 219 | Denitrification of Water with Activated Carbon-Supported Metallic Catalysts. Industrial & Engineering Chemistry Research, 2010, 49, 5603-5609. | 1.8 | 51 |
| 220 | Selectivity of hydrogen peroxide decomposition towards hydroxyl radicals in catalytic wet peroxide oxidation (CWPO) over Fe/AC catalysts. Water Science and Technology, 2010, 61, 2769-2778. | 1.2 | 20 |
| 221 | Cost-efficient management of coastal aquifers via recharge with treated wastewater and desalination of brackish groundwater: application to the Akrotiri basin and aquifer, Cyprus. Hydrological Sciences Journal, 2010, 55, 1234-1245. | 1.2 | 25 |
| 222 | Integrated CWPO and Biological Treatment for the Removal of 4-Chlorophenol From Water. Separation Science and Technology, 2010, 45, 1595-1602. | 1.3 | 23 |
| 223 | Anaerobic biodegradation of 2,4,6-trichlorophenol by methanogenic granular sludge: role of co-substrates and methanogenic inhibition. Water Science and Technology, 2009, 59, 1449-1456. | 1.2 | 9 |
| 224 | Unstructured kinetic model for reuterin and 1,3â€propanediol production by Lactobacillus reuteri from glycerol/glucose cofermentation. Journal of Chemical Technology and Biotechnology, 2009, 84, 675-680. | 1.6 | 17 |
| 225 | Pdâ€“Al pillared clays as catalysts for the hydrodechlorination of 4-chlorophenol in aqueous phase. Journal of Hazardous Materials, 2009, 172, 214-223. | 6.5 | 51 |
| 226 | Hydrodechlorination of 4-chlorophenol in water with formic acid using a Pd/activated carbon catalyst. Journal of Hazardous Materials, 2009, 161, 842-847. | 6.5 | 52 |
| 227 | Lignin-based activated carbons for adsorption of sodium dodecylbenzene sulfonate: Equilibrium and kinetic studies. Journal of Colloid and Interface Science, 2009, 332, 39-45. | 5.0 | 53 |
| 228 | Optimizing calcination temperature of Fe/activated carbon catalysts for CWPO. Catalysis Today, 2009, 143, 341-346. | 2.2 | 66 |
| 229 | Catalytic wet peroxide oxidation of phenol over Fe/AC catalysts: Influence of iron precursor and activated carbon surface. Applied Catalysis B: Environmental, 2009, 86, 69-77. | 10.8 | 149 |
| 230 | Cometabolic biodegradation of 4-chlorophenol by sequencing batch reactors at different temperatures. Bioresource Technology, 2009, 100, 4572-4578. | 4.8 | 83 |
| 231 | Adsorption of ionic liquids from aqueous effluents by activated carbon. Carbon, 2009, 47, 1846-1856. | 5.4 | 138 |
| 232 | Activation of Waste Tire Char upon Cyclic Oxygen Chemisorptionâ^'Desorption. Industrial & Engineering Chemistry Research, 2009, 48, 4664-4670. | 1.8 | 21 |
| 233 | Effects of Reactor Configuration on the Yield of Solid Carbon from Pyrolysis of Low-Density Polyethylene. Energy & Fuels, 2009, 23, 6095-6101. | 2.5 | 8 |
| 234 | Steam Reforming of Methanol with Sm<sub>2</sub>O<sub>3</sub>â^'CeO<sub>2</sub>-Supported Palladium Catalysts: Influence of the Thermal Treatments of Catalyst and Support. Industrial & Engineering Chemistry Research, 2009, 48, 8364-8372. | 1.8 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Kinetics of 4-Chlorophenol Hydrodechlorination with Alumina and Activated Carbon-Supported Pd and Rh Catalysts. Industrial & Engineering Chemistry Research, 2009, 48, 3351-3358. | 1.8 | 64 |
| 236 | Comparison of UASB and EGSB performance on the anaerobic biodegradation of 2,4-dichlorophenol. Chemosphere, 2009, 76, 1192-1198. | 4.2 | 58 |
| 237 | Hydrodechlorination of 4-chlorophenol in aqueous phase with Ptâ€“Al pillared clays using formic acid as hydrogen source. Applied Clay Science, 2009, 45, 206-212. | 2.6 | 25 |
| 238 | Semicontinuous Fenton oxidation of phenol in aqueous solution. A kinetic study. Water Research, 2009, 43, 4063-4069. | 5.3 | 74 |
| 239 | Influence of Operating Variables on Solid Carbons Obtained by Low-Density Polyethylene Pyrolysis in a Semicontinuous Fast Heating Quartz Reactor. Energy & Fuels, 2009, 23, 6102-6110. | 2.5 | 10 |
| 240 | An overview of the application of Fenton oxidation to industrial wastewaters treatment. Journal of Chemical Technology and Biotechnology, 2008, 83, 1323-1338. | 1.6 | 546 |
| 241 | Hydrodechlorination of alachlor in water using Pd, Ni and Cu catalysts supported on activated carbon. Applied Catalysis B: Environmental, 2008, 78, 259-266. | 10.8 | 45 |
| 242 | Surface modification of carbon-supported iron catalyst during the wet air oxidation of phenol: Influence on activity, selectivity and stability. Applied Catalysis B: Environmental, 2008, 81, 105-114. | 10.8 | 41 |
| 243 | Role of the Activated Carbon Surface on Catalytic Wet Peroxide Oxidation. Industrial & Engineering Chemistry Research, 2008, 47, 8166-8174. | 1.8 | 61 |
| 244 | Kinetics of the Hydrodechlorination of 4-Chlorophenol in Water Using Pd, Pt, and Rh/Al<sub>2</sub>O<sub>3</sub> Catalysts. Industrial & Engineering Chemistry Research, 2008, 47, 3840-3846. | 1.8 | 113 |
| 245 | Detoxification of Kraft pulp ECF bleaching effluents by catalytic hydrotreatment. Water Research, 2007, 41, 915-923. | 5.3 | 17 |
| 246 | Adsorption of Aromatic Compounds on Activated Carbons from Lignin:Â Equilibrium and Thermodynamic Study. Industrial & Engineering Chemistry Research, 2007, 46, 4982-4990. | 1.8 | 34 |
| 247 | Activated Carbons from Lignin: Their Application in Liquid Phase Adsorption. Separation Science and Technology, 2007, 42, 3363-3389. | 1.3 | 23 |
| 248 | Computational Approach to Nuclear Magnetic Resonance in 1-Alkyl-3-methylimidazolium Ionic Liquids. Journal of Physical Chemistry B, 2007, 111, 168-180. | 1.2 | 66 |
| 249 | Evolution of Ecotoxicity upon Fenton's Oxidation of Phenol in Water. Environmental Science & Technology, 2007, 41, 7164-7170. | 4.6 | 118 |
| 250 | Adsorption of Aromatic Compounds on Activated Carbons from Lignin:â€‰ Kinetic Study. Industrial & Engineering Chemistry Research, 2007, 46, 2853-2860. | 1.8 | 33 |
| 251 | Hydrogenation of phenol in aqueous phase with palladium on activated carbon catalysts. Chemical Engineering Journal, 2007, 131, 65-71. | 6.6 | 95 |
| 252 | Catalytic wet air oxidation of phenol with modified activated carbons and Fe/activated carbon catalysts. Applied Catalysis B: Environmental, 2007, 76, 135-145. | 10.8 | 67 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | A kinetic study of reuterin production by Lactobacillus reuteri PRO 137 in resting cells. Biochemical Engineering Journal, 2007, 35, 218-225. | 1.8 | 21 |
| 254 | Application of Fenton oxidation to cosmetic wastewaters treatment. Journal of Hazardous Materials, 2007, 143, 128-134. | 6.5 | 233 |
| 255 | Phenol oxidation by a sequential CWPOâ€“CWAO treatment with a Fe/AC catalyst. Journal of Hazardous Materials, 2007, 146, 582-588. | 6.5 | 36 |
| 256 | Gas-Phase Hydrodechlorination of Dichloromethane at Low Concentrations with Palladium/Carbon Catalysts. Industrial & Engineering Chemistry Research, 2006, 45, 7760-7766. | 1.8 | 38 |
| 257 | A comparison of Al-Fe and Zr-Fe pillared clays for catalytic wet peroxide oxidation. Chemical Engineering Journal, 2006, 118, 29-35. | 6.6 | 101 |
| 258 | Wet air oxidation of phenol at mild conditions with a Fe/activated carbon catalyst. Applied Catalysis B: Environmental, 2006, 62, 115-120. | 10.8 | 62 |
| 259 | Catalytic wet peroxide oxidation of phenol with a Fe/active carbon catalyst. Applied Catalysis B: Environmental, 2006, 65, 261-268. | 10.8 | 290 |
| 260 | Hydrodechlorination of 4-chlorophenol in aqueous phase using Pd/AC catalysts prepared with modified active carbon supports. Applied Catalysis B: Environmental, 2006, 67, 68-76. | 10.8 | 105 |
| 261 | Reaction pathway of the catalytic wet air oxidation of phenol with a Fe/activated carbon catalyst. Applied Catalysis B: Environmental, 2006, 67, 206-216. | 10.8 | 62 |
| 262 | Modification of ammonium lignosulfonate by phenolation for use in phenolic resins. Bioresource Technology, 2005, 96, 1013-1018. | 4.8 | 137 |
| 263 | Chemical Pathway and Kinetics of Phenol Oxidation by Fenton's Reagent. Environmental Science & Technology, 2005, 39, 9295-9302. | 4.6 | 545 |
| 264 | Influence of Water Vapor on the Adsorption of VOCs on Ligninâ€Based Activated Carbons. Separation Science and Technology, 2005, 40, 3113-3135. | 1.3 | 61 |
| 265 | Effects of Support Surface Composition on the Activity and Selectivity of Pd/C Catalysts in Aqueous-Phase Hydrodechlorination Reactions. Industrial & Engineering Chemistry Research, 2005, 44, 6661-6667. | 1.8 | 65 |
| 266 | Improved solid fuels from co-pyrolysis of a high-sulphur content coal and different lignocellulosic wastes. Fuel, 2004, 83, 1585-1590. | 3.4 | 53 |
| 267 | Evolution of Toxicity upon Wet Catalytic Oxidation of Phenol. Environmental Science & Technology, 2004, 38, 133-138. | 4.6 | 148 |
| 268 | Removal of water pollutants with activated carbons prepared from H3PO4 activation of lignin from kraft black liquors. Water Research, 2004, 38, 3043-3050. | 5.3 | 212 |
| 269 | Influence of Surface Composition and Pore Structure on Cr(III) Adsorption onto Activated Carbons. Industrial & Engineering Chemistry Research, 2002, 41, 6042-6048. | 1.8 | 48 |
| 270 | CO2 and steam gasification of a grapefruit skin char. Fuel, 2002, 81, 423-429. | 3.4 | 136 |

| # | Article | IF | Citations |
|---|---|---|---|
| 271 | Reuse of reverse osmosis membranes in advanced wastewater treatment. Desalination, 2002, 150, 219-225. | 4.0 | 52 |
| 272 | POWDERED ACTIVATED CARBONS FROM PINUS CARIBAEA SAWDUST. Separation Science and Technology, 2001, 36, 3191-3206. | 1.3 | 31 |
| 273 | Characterization and structural modification of ammonic lignosulfonate by methylolation. Journal of Applied Polymer Science, 2001, 82, 2661-2668. | 1.3 | 102 |
| 274 | Predicting heating values of lignocellulosics and carbonaceous materials from proximate analysis. Fuel, 2001, 80, 1567-1571. | 3.4 | 252 |
| 275 | Structural and Textural Properties of Pyrolytic Carbon Formed within a Microporous Zeolite Template. Chemistry of Materials, 1998, 10, 550-558. | 3.2 | 144 |
| 276 | Activated Carbons from Eucalyptus Wood. Influence of the Carbonization Temperature. Separation Science and Technology, 1997, 32, 1115-1126. | 1.3 | 18 |
| 277 | Development of Porosity upon Chemical Activation of Kraft Lignin with ZnCl2. Industrial & Engineering Chemistry Research, 1997, 36, 4832-4838. | 1.8 | 126 |
| 278 | High-temperature carbons from kraft lignin. Carbon, 1996, 34, 43-52. | 5.4 | 86 |
| 279 | CO2 gasification of eucalyptus wood chars. Fuel, 1996, 75, 1505-1508. | 3.4 | 63 |
| 280 | Activated carbons from Uruguayan eucalyptus wood. Fuel, 1996, 75, 1701-1706. | 3.4 | 64 |
| 281 | Biodegradation Phenomena during Soil Vapor Extraction: Sensitivity Studies for Single Substrate Systems. Separation Science and Technology, 1994, 29, 557-578. | 1.3 | 3 |
| 282 | Biodegradation Phenomena during Soil Vapor Extraction. III. Sensitivity Studies for Two Substrates. Separation Science and Technology, 1994, 29, 1275-1291. | 1.3 | 4 |
| 283 | Preparation and characterization of activated carbons from eucalyptus kraft lignin. Carbon, 1993, 31, 87-95. | 5.4 | 119 |
| 284 | CO2-reactivity of eucalyptus kraft lignin chars. Carbon, 1993, 31, 53-61. | 5.4 | 38 |
| 285 | Cobalt(II) removal from water by chemical reduction with sodium borohydride. Water Research, 1993, 27, 985-992. | 5.3 | 38 |
| 286 | Activated carbons from carbon dioxide partial gasification of eucalyptus kraft lignin. Energy & Fuels, 1993, 7, 133-138. | 2.5 | 96 |
| 287 | Adsorption of Anionic Surfactant Mixtures by Polymeric Resins. Separation Science and Technology, 1992, 27, 1065-1076. | 1.3 | 21 |
| 288 | Copper Removal from Water by Chemical Reduction with Sodium Borohydride. Separation Science and Technology, 1992, 27, 1449-1468. | 1.3 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 289 | Equilibrium Study of Single-Solute Adsorption of Anionic Surfactants with Polymeric XAD Resins. Separation Science and Technology, 1992, 27, 975-987. | 1.3 | 127 |
| 290 | Heavy Metal Removal by Chemical Reduction with Sodium Borohydride. A Pilot-Plant Study. Separation Science and Technology, 1992, 27, 1569-1582. | 1.3 | 10 |
| 291 | Thermal decomposition of wood in oxidizing atmosphere. A kinetic study from non-isothermal TG experiments. Thermochimica Acta, 1991, 191, 161-178. | 1.2 | 34 |
| 292 | On the kinetics of thermal decomposition of wood and wood components. Thermochimica Acta, 1990, 164, 135-144. | 1.2 | 88 |
| 293 | A kinetic study on chemical activation of holm oak wood. Journal of Analytical and Applied Pyrolysis, 1990, 18, 117-126. | 2.6 | 7 |
| 294 | A kinetic study of holm oak wood pyrolysis from dynamic and isothermal TG experiments. Thermochimica Acta, 1989, 149, 225-237. | 1.2 | 26 |
| 295 | Kraft Wastewater Cleaning with Polymeric Adsorbents. Separation Science and Technology, 1985, 20, 481-487. | 1.3 | 4 |
| 296 | Copper (2+), Zinc (2+), and Nickel (2+) Uptake by Activated Sludge. Separation Science and Technology, 1985, 20, 587-597. | 1.3 | 2 |
| 297 | Sedimentation and Filtration of Zinc Oxi-hydroxychloride Suspensions. Separation Science and Technology, 1983, 18, 1045-1063. | 1.3 | 2 |
| 298 | The Removal of Mixtures of Metals by an Adsorbing Colloid Foam Flotation Pilot Plant. Separation Science and Technology, 1982, 17, 683-693. | 1.3 | 16 |
| 299 | Copper Removal by an Adsorbing Colloid Foam Flotation Pilot Plant. Separation Science and Technology, 1982, 17, 359-367. | 1.3 | 19 |
| 300 | Removal of Zinc by Adsorbing Colloid Foam Flotation: Pilot Plant Study. Separation Science and Technology, 1982, 17, 673-682. | 1.3 | 9 |