

# Jose Antonio Perdigon Melon

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

2,525  
citations

361413

20  
h-index

501196

28  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3565  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Ozonation as pre-treatment of activated sludge process of a wastewater containing benzalkonium chloride and NiO nanoparticles. <i>Chemical Engineering Journal</i> , 2016, 283, 740-749.  | 12.7 | 46        |
| 2  | Personal care product preservatives: Risk assessment and mixture toxicities with an industrial wastewater. <i>Water Research</i> , 2015, 72, 174-185.   | 11.3 | 63        |
| 3  | Continuous ozonation treatment of ofloxacin: Transformation products, water matrix effect and aquatic toxicity. <i>Journal of Hazardous Materials</i> , 2015, 292, 34-43.   | 12.4 | 104       |
| 4  | Influence of water matrix on copper-catalysed continuous ozonation and related ecotoxicity. <i>Applied Catalysis B: Environmental</i> , 2015, 163, 233-240.   | 20.2 | 14        |
| 5  | CuO/SBA-15 catalyst for the catalytic ozonation of mesoxalic and oxalic acids. Water matrix effects. <i>Chemical Engineering Journal</i> , 2013, 225, 164-173.  | 12.7 | 57        |
| 6  | Environmental optimization of continuous flow ozonation for urban wastewater reclamation. <i>Science of the Total Environment</i> , 2012, 437, 68-75.   | 8.0  | 18        |
| 7  | Kinetics and Mechanism of Catalytic Ozonation of Aqueous Pollutants on Metal Oxide Catalysts. <i>Ozone: Science and Engineering</i> , 2011, 33, 434-440.  | 2.5  | 11        |
| 8  | Molecular simulation and adsorption studies of n-hexane in ZSM-11 zeolites. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 258-267.   | 4.4  | 17        |
| 9  | Catalytic ozonation of atrazine and linuron on MnO /Al <sub>2</sub> O <sub>3</sub> and MnO /SBA-15 in a fixed bed reactor. <i>Chemical Engineering Journal</i> , 2010, 165, 806-812.  | 12.7 | 59        |
| 10 | Coagulation-Fenton coupled treatment for ecotoxicity reduction in highly polluted industrial wastewater. <i>Journal of Hazardous Materials</i> , 2010, 181, 127-132.  | 12.4 | 58        |
| 11 | Occurrence of emerging pollutants in urban wastewater and their removal through biological treatment followed by ozonation. <i>Water Research</i> , 2010, 44, 578-588.  | 11.3 | 799       |
| 12 | Application of the combination index (CI)-isobologram equation to study the toxicological interactions of lipid regulators in two aquatic bioluminescent organisms. <i>Water Research</i> , 2010, 44, 427-438.                            | 11.3 | 134       |
| 13 | Oxidation of dissolved organic matter in the effluent of a sewage treatment plant using ozone combined with hydrogen peroxide (O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> ). <i>Chemical Engineering Journal</i> , 2009, 149, 311-318. | 12.7 | 55        |
| 14 | Degradation of caffeine and identification of the transformation products generated by ozonation. <i>Chemosphere</i> , 2009, 74, 825-831.   | 8.2  | 94        |
| 15 | Ozone-Based Technologies in Water and Wastewater Treatment. , 2008, , 127-175.  |      | 20        |
| 16 | Removal of pharmaceuticals and kinetics of mineralization by O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> in a biotreated municipal wastewater. <i>Water Research</i> , 2008, 42, 3719-3728.   | 11.3 | 150       |
| 17 | An In-depth Study of Supported In <sub>2</sub> O <sub>3</sub> Catalysts for the Selective Catalytic Reduction of NO <sub>x</sub> : The Influence of the Oxide Support. <i>Journal of Physical Chemistry B</i> , 2006, 110, 240-249.       | 2.6  | 49        |
| 18 | Study of the influence of the In <sub>2</sub> O <sub>3</sub> loading on $\gamma$ -alumina for the development of de-NO <sub>x</sub> catalysts. <i>Journal of Catalysis</i> , 2005, 234, 421-430.  | 6.2  | 55        |

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|----|---|-----|-----------|
| 19 | Micrometric BN powders used as catalyst support: influence of the precursor on the properties of the BN ceramic. <i>Journal of Solid State Chemistry</i> , 2004, 177, 609-615.  | 2.9 | 40        |
| 20 | Calorimetric study of methane interaction with supported Pd catalysts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2003, 72, 443-451.  | 3.6 | 5         |
| 21 | Characterization and reactivity of group III oxides supported on niobium oxide. <i>Catalysis Today</i> , 2003, 78, 377-386.   | 4.4 | 23        |
| 22 | Surface Area, Pore Volume Distribution, and Acidity in Mesoporous Expanded Clay Catalysts from Hybrid Density Functional Theory (DFT) and Adsorption Microcalorimetry Methods. <i>Langmuir</i> , 2002, 18, 9816-9823. | 3.5 | 57        |
| 23 | Porous boron nitride supports obtained from molecular precursors.. <i>Journal of Organometallic Chemistry</i> , 2002, 657, 98-106.  | 1.8 | 38        |
| 24 | Acid-Base Properties of Alumina-Supported M <sub>2</sub> O <sub>3</sub> (M=B, Ga, In) Catalysts. <i>Topics in Catalysis</i> , 2002, 19, 271-281.  | 2.8 | 20        |
| 25 | Adsorption microcalorimetry of probe molecules of different size to characterize the microporosity of pillared clays. <i>Microporous and Mesoporous Materials</i> , 2002, 51, 145-154.                                | 4.4 | 11        |
| 26 | Determination of the Pore Topology of Zeolite IM-5 by Means of Catalytic Test Reactions and Hydrocarbon Adsorption Measurements. <i>Journal of Catalysis</i> , 2000, 189, 382-394.                                    | 6.2 | 79        |
| 27 | Heats of Adsorption of N-Hexane by Thermal Gravimetry with Differential Scanning Calorimetry (TG-DSC): A Tool for Textural Characterization of Pillared Clays. <i>Clays and Clay Minerals</i> , 2000, 48, 385-391.    | 1.3 | 14        |
| 28 | Determining the topology of zeolites by adsorption microcalorimetry of organic molecules. <i>Microporous and Mesoporous Materials</i> , 1998, 22, 269-279.  | 4.4 | 40        |
| 29 | Direct Synthesis and Characterization of Hydrophobic Aluminum-Free Ti <sup>IV</sup> Beta Zeolite. <i>Journal of Physical Chemistry B</i> , 1998, 102, 75-88.  | 2.6 | 395       |