

Cristina Fernández-Rodríguez

List of Publications by Year in descending order

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17
papers

689
citations

623188

14
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

1120
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Photocatalytic degradation of phenolic compounds with new TiO ₂ catalysts. <i>Applied Catalysis B: Environmental</i> , 2010, 100, 346-354. | 10.8 | 85 |
| 2 | Microstructure and charge trapping assessment in highly reactive mixed phase TiO ₂ photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 192, 242-252. | 10.8 | 82 |
| 3 | Effect of TiO ₂ @Pd and TiO ₂ @Ag on the photocatalytic oxidation of diclofenac, isoproturon and phenol. <i>Chemical Engineering Journal</i> , 2016, 298, 82-95. | 6.6 | 77 |
| 4 | Degradation of diphenhydramine pharmaceutical in aqueous solutions by using two highly active TiO ₂ photocatalysts: Operating parameters and photocatalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2012, 113-114, 221-227. | 10.8 | 64 |
| 5 | Role of Cu in the Cu-TiO ₂ photocatalytic degradation of dihydroxybenzenes. <i>Catalysis Today</i> , 2005, 101, 261-266. | 2.2 | 62 |
| 6 | Photocatalytic removal of 2,4-dichlorophenoxyacetic acid by using sol-gel synthesized nanocrystalline and commercial TiO ₂ : Operational parameters optimization and toxicity studies. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 28-34. | 10.8 | 55 |
| 7 | Estimation of kinetic parameters and UV doses necessary to remove twenty-three pharmaceuticals from pre-treated urban wastewater by UV/H ₂ O ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 329, 130-138. | 2.0 | 48 |
| 8 | Enhancement of stability and photoactivity of TiO ₂ coatings on annular glass reactors to remove emerging pollutants from waters. <i>Chemical Engineering Journal</i> , 2015, 279, 488-497. | 6.6 | 43 |
| 9 | The effect of acetic acid on the photocatalytic degradation of catechol and resorcinol. <i>Applied Catalysis A: General</i> , 2006, 299, 274-284. | 2.2 | 34 |
| 10 | Solar photocatalytic removal of herbicides from real water by using sol-gel synthesized nanocrystalline TiO ₂ : Operational parameters optimization and toxicity studies. <i>Solar Energy</i> , 2013, 87, 150-157. | 2.9 | 26 |
| 11 | Photocatalytic Activity of Nanostructured Anatase Coatings Obtained by Cold Gas Spray. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 1135-1141. | 1.6 | 25 |
| 12 | Treatment of effluents from wool dyeing process by photo-Fenton at solar pilot plant. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 163-171. | 3.3 | 23 |
| 13 | Synthesis of highly photoactive TiO ₂ and Pt/TiO ₂ nanocatalysts for substrate-specific photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 383-389. | 10.8 | 22 |
| 14 | Comparative study of nanocrystalline titanium dioxide obtained through sol-gel and sol-gel-hydrothermal synthesis. <i>Journal of Colloid and Interface Science</i> , 2013, 400, 31-40. | 5.0 | 21 |
| 15 | Highly photoactive anatase nanoparticles obtained using trifluoroacetic acid as an electron scavenger and morphological control agent. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14358. | 5.2 | 13 |
| 16 | TiO ₂ and F-TiO ₂ photocatalytic deactivation in gas phase. <i>Chemical Physics Letters</i> , 2017, 684, 164-170. | 1.2 | 7 |
| 17 | Effect of Ti F surface interaction on the photocatalytic degradation of phenol, aniline and formic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 139-149. | 2.0 | 2 |