

Jordi Palau

List of Publications by Year in descending order

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11
papers

289
citations

1040056

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h-index

1281871

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all docs

11
docs citations

11
times ranked

352
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Modeling of a continuous photocatalytic reactor for isovaleraldehyde oxidation: Effect of different operating parameters and chemical degradation pathway. <i>Chemical Engineering Research and Design</i> , 2013, 91, 1307-1316. | 5.6 | 46 |
| 2 | Photodegradation of Toluene, <i>m</i> -Xylene, and <i>n</i> -Butyl Acetate and Their Mixtures over TiO ₂ Catalyst on Glass Fibers. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5986-5994. | 3.7 | 42 |
| 3 | Isovaleraldehyde degradation using UV photocatalytic and dielectric barrier discharge reactors, and their combinations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 299, 110-117. | 3.9 | 37 |
| 4 | Abatement of 3-methylbutanal and trimethylamine with combined plasma and photocatalysis in a continuous planar reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 282, 1-8. | 3.9 | 36 |
| 5 | Performance of a Pilot-Scale Biotrickling Filter in Controlling the Volatile Organic Compound Emissions in a Furniture Manufacturing Facility. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 998-1006. | 1.9 | 32 |
| 6 | UV photocatalytic oxidation of paint solvent compounds in air using an annular TiO ₂ -supported reactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 273-281. | 3.2 | 26 |
| 7 | Effect of pre-treatments based on UV photocatalysis and photo-oxidation on toluene biofiltration performance. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 65-72. | 3.2 | 20 |
| 8 | Comparison between laboratory and pilot biotrickling filtration of air emissions from painting and wood finishing. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 364-370. | 3.2 | 17 |
| 9 | Effects of nitrogen source and empty bed residence time on the removal of styrene gaseous emissions by biotrickling filtration. <i>Bioprocess and Biosystems Engineering</i> , 2011, 34, 859-867. | 3.4 | 15 |
| 10 | Control of VOC emissions from a flexographic printing facility using an industrial biotrickling filter. <i>Water Science and Technology</i> , 2012, 65, 177-182. | 2.5 | 9 |
| 11 | Coupling Adsorption and Biological Technologies for Multicomponent and Fluctuating Volatile Organic Compounds Emissions Abatement: Laboratory-Scale Evaluation and Full-Scale Implementation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1713-1722. | 3.7 | 9 |