

## Photocatalytic Reaction Engineering By Hugo De Lasa 2005 05 05

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### Photocatalytic Reaction Engineering By Hugo

Photocatalytic Reaction Engineering 2005th Edition by Hugo de Lasa (Author), Benito Serrano (Author), Miguel Salaices (Author) & 0 more ISBN-13: 978-1402059421

### Photocatalytic Reaction Engineering: de Lasa, Hugo ...

4. The Irradiation Field in Photocatalytic Reactors Hugo Lasa, Benito Serrano, Miguel Salaices. 5. Kinetic Modeling of the Photocatalytic Reaction Network: The Parallel-Series Approximation Hugo Lasa, Benito Serrano, Miguel Salaices. 6. The Energy Efficiency Factors in Photocatalytic Processes Hugo Lasa, Benito Serrano, Miguel Salaices. 7.

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Photocatalytic Reaction Engineering Hugo de Lasa, Benito Serrano, Miguel Salaices This is a comprehensive piece of work providing the reader a powerful resource for the design, development and performance evaluation of photocatalytic reactors. This book will be used as a reference for a graduate course in photocatalysis.

### Photocatalytic Reaction Engineering | Hugo de Lasa, Benito ...

Hugo de Lasa, Benito Serrano, Miguel Salaices. Pages 1-15. Novel Photocatalytic Reactors for Water and Air Treatment

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Photocatalytic reaction engineering. [Hugo I De Lasa; Benito Serrano; Miguel Salaices] -- "Application of photocatalytic reaction technology holds great promise to address many of today's most challenging environmental issues."

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of photocatalytic reaction engineering is in a phase of reassessment. The very principles of reaction engineering are under review at this time when environmental pressures and social concerns are changing the way we perceive and use technology. The application of photocatalytic reaction technology holds great promise in these changing times.

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Industrial & Engineering Chemistry Research 2010, 49 (18) , 8397-8405. DOI: 10.1021/ie100277g. Benito Serrano, Aarón Ortíz, Jesús Moreira and Hugo I. de Lasa . Photocatalytic Thermodynamic Efficiency Factors. Practical Limits in Photocatalytic Reactors.

### Photocatalytic Conversion of Organic Pollutants Extinction ...

Hugo I. de Lasa, Benito Serrano, Miguel Salaices 188p./90 illustrations/Hardcover/2005 / 978-0-387-23450-0 This comprehensive work provides the reader with a powerful resource for the design, development, and performance evaluation of photocatalytic reactors.

### CREC - Chemical Reactor Engineering Centre

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### Photocatalytic Reaction Engineering : Hugo I. De Lasa ...

The International Journal of Chemical Reactor Engineering covers the broad fields of theoretical and applied reactor engineering. The IJCRE covers topics drawn from the substantial areas of overlap between catalysis, reaction and reactor engineering. Authors include notable international professors and R&D industry leaders.

### Heterojunctions for Photocatalytic Wastewater Treatment ...

The TiO<sub>2</sub>-mediated photocatalytic degradation of 4-chlorocatechol is studied as a branch of the degradation of 4-chlorophenol. In addition to some basic kinetic studies, the identities of many of the cyclic and acyclic intermediates, verified in most cases with authentic samples, are reported. From 4-chlorocatechol, the major product is hydroxylation to form 5-chloro-1,2,4-benzenetriol.

### Photocatalytic Degradation of 4-Chlorophenol. 2. The 4 ...

The evaluation of absorption photon rates in slurry reactors is a rather challenging task since light can experience a combination of reflection, scattering and absorption in the TiO<sub>2</sub>particle...

### The Irradiation Field in Photocatalytic Reactors ...

Hugo deLasa sic, Benito Serrano, and Miguel. Of reaction engineering are under review at this time when environmental.Photocatalytic Reaction Engineering for. photocatalytic reaction engineering free download CNRS-PROMES, Process Material and Solar.Kinetics in photocatalytic reactions

typically follow some form of the. Parameter estimation for a dynamic model in photocatalytic reaction engineering.

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Photocatalytic Reaction Engineering af Hugo I. De Lasa, mfl. som bog Køb Photocatalytic Reaction Engineering af Hugo I. De Lasa, mfl. som bog på engelsk til markedets laveste pris og få leveret i morgen. Heterogeneous photocatalysis is a novel technique for water purification. photocatalysis can achieve..

**Photocatalytic Reaction Engineering af Hugo I. De Lasa ...**

A photocatalyst is defined as a substance which is activated by adsorbing a photon and is capable of accelerating a reaction without being consumed [1]. These substances are invariably semiconductors. Semiconducting oxide photocatalysts have been increasingly focused in recent years due to their potential applications in solar energy conversion and environmental purification.

**[PDF] Photocatalytic Degradation of Organic Pollutants in ...**

Photocatalytic oxidation processes (PCO processes) are a promising technology for controlling the pollution of working environments, namely, the low concentrations of volatile organic compounds (VOCs) generated in industrial processes, and improving the efficiency of this process is an important issue.

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