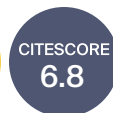




catalysts



Special Issue Reprint

Trends in Environmental Applications of Advanced Oxidation Processes

www.mdpi.com/books/reprint/7932

Edited by

Juan José Rueda-Márquez

Javier Moreno-Andrés

Irina Levchuk

ISBN 978-3-0365-8795-0 (Hardback)

ISBN 978-3-0365-8794-3 (PDF)



Advanced oxidation processes (AOPs) are promising techniques that can be used for various environmental applications. Currently, AOPs are receiving extensive interest from many researchers mainly due to their non-selective behaviour, their potential for pollutant oxidation, and the lack of solid waste formation in the majority of them. However, there are some knowledge gaps in the scientific literature, such as the efficiency and applicability of AOPs for real environmental water and/or wastewater matrices, the effectiveness of AOPs for toxicity reduction, the influence of environmental conditions and constituents on AOPs, cost of studied treatment methods, etc. This reprint presents original research papers and reviews focused on various environmental applications of AOPs, including comprehensive reviews on specific AOP technologies, focusing on their applications in specific sectors, such as industrial, agricultural, and municipal wastewater. A dedicated chapter is focused on the application of AOPs for toxicity reduction. The application of AOPs for the removal of organic pollutants such as Contaminants of Emerging Concern, pesticides, or dyes from water matrices of diverse origin is featured in the present reprint as specific chapters. Also, two chapters are dedicated to the innovative application of AOPs in the field of greenhouse gas reduction.



Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/7932

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.