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Nano Photocatalysis: Pioneering Progress and Industrial Applications for Sustainable Environmental Solutions

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Abstract: Nano photocatalysis has become a cornerstone technology in environmental sustainability. This paper delves into the significance of nano photocatalysis, highlighting its mechanisms, industrial applications, and benefits for sustainable development. By reducing industrial pollution and enabling ecofriendly practices, nano photocatalysis offers an innovative approach to environmental challenges. Key sections address its role in water and air treatment, energy efficiency, and emerging research directions, making it a pivotal solution aligned with sustainable development goals

Keywords: Nano photocatalysis

