

## عنوان مقاله:

Nano-Photo catalysts and their application in water and wastewater treatment

## محل انتشار:

اولین همایش ملی تکنولوژی های نوین در شیمی و پتروشیمی (سال: 1393)

تعداد صفحات اصل مقاله: 9

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## خلاصه مقاله:

Providing clean and affordable water to meet human needs is a grand challenge of the 21st century. Worldwide, water supply struggles to keep up with the fast growing demand, which is exacerbated by population growth, global climate change, and water quality deterioration. The need for technological innovation to enable integrated water management cannot be overstated. Nanotechnology holds great potential in advancing water and wastewater treatment to improve treatment efficiency as well as to augment water supply through safe use of unconventional water sources. Photo catalysis has shown great potential as a low-cost, environmental friendly and sustainable water treatment technology. in that review paper The antimicrobial mechanisms of these Nano materials, their merits, limitations, and applicability for water treatment, and the critical research needs are thoroughly discussed

## کلمات کلیدی:

Nanotechnology, wastewater treatment, Photo catalysis, Nano materials

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/244266>

