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### ACCEPTED MANUSCRIPT

## Nanomaterials based Advanced Oxidation Processes for Waste Water Treatment: A review

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#### **Research Highlights**

- Nanomaterials based single advanced oxidation processes for wastewater treatment.
- Nanomaterials based hybrid advanced oxidation processes for wastewater treatment.
- Current status of work on hybrid nanomaterials as heterogeneous photocatalysts.
- Process Intensification of nanostructured materials in waste water oxidation.
- Mechanistic aspects of various advanced oxidation processes.

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