

Accepted Manuscript

Title: Ti^{3+} self-doped mesoporous black $\text{TiO}_2/\text{SiO}_2/\text{g-C}_3\text{N}_4$ sheets heterojunctions as remarkable visible-lightdriven photocatalysts

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PII: S0926-3373(17)31218-3
DOI: <https://doi.org/10.1016/j.apcatb.2017.12.069>
Reference: APCATB 16304

To appear in: *Applied Catalysis B: Environmental*

Received date: 11-9-2017
Revised date: 21-12-2017
Accepted date: 28-12-2017

Please cite this article as: Mengqiao Hu, Zipeng Xing, Yan Cao, Zhenzi Li, Xu Yan, Ziyuan Xiu, Tianyu Zhao, Shilin Yang, Wei Zhou, Ti^{3+} self-doped mesoporous black $\text{TiO}_2/\text{SiO}_2/\text{g-C}_3\text{N}_4$ sheets heterojunctions as remarkable visible-lightdriven photocatalysts, *Applied Catalysis B, Environmental* <https://doi.org/10.1016/j.apcatb.2017.12.069>

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Ti³⁺ self-doped mesoporous black TiO₂/SiO₂/g-C₃N₄ sheets heterojunctions as remarkable visible-light-driven photocatalysts

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