

Decoration of TiO₂/g-C₃N₄ Z-scheme by Carbon Dots as a Novel Photocatalyst with Improved Visible-Light Photocatalytic Performance for the Degradation of Enrofloxacin

Yuehan Su,^a Ping Chen,^a Fengliang Wang,^a Qianxin Zhang,^a Tiansheng Chen,^a Yingfei Wang,^a
Kun Yao,^a Wenying Lv,^a and Guoguang Liu^{*a}

School of Environmental Science and Engineering, Institute of Environmental Health and
Pollution Control, Guangdong University of Technology, Guangzhou, 510006, China

Corresponding Author:

* Corresponding Author: Guoguang Liu

E-mail: liugg615@163.com

Telephone: +86-20-39322547

Fax: +86-20-39322548

Calculation of energy band

Table S1 Energy band structure parameters of g-C₃N₄ and TiO₂

catalyst	X(eV)	E _c (eV)	E _g (eV)	E _{VB} (eV)	E _{CB} (eV)
TiO ₂	5.81	4.50	3.22	+2.92	-0.3
g-C ₃ N ₄	4.72		2.58	+1.51	-1.07