

Accepted Manuscript

In situ construction of N/Ti³⁺ codoped triphasic TiO₂ layer on TiO₂ nanotube arrays to improve photoelectrochemical performance

Xiaojing Lin, Mingxuan Sun, Yuan Yao, Xiaojiao Yuan



PII: S0013-4686(18)32086-3

DOI: [10.1016/j.electacta.2018.09.099](https://doi.org/10.1016/j.electacta.2018.09.099)

Reference: EA 32631

To appear in: *Electrochimica Acta*

Received Date: 3 July 2018

Revised Date: 14 September 2018

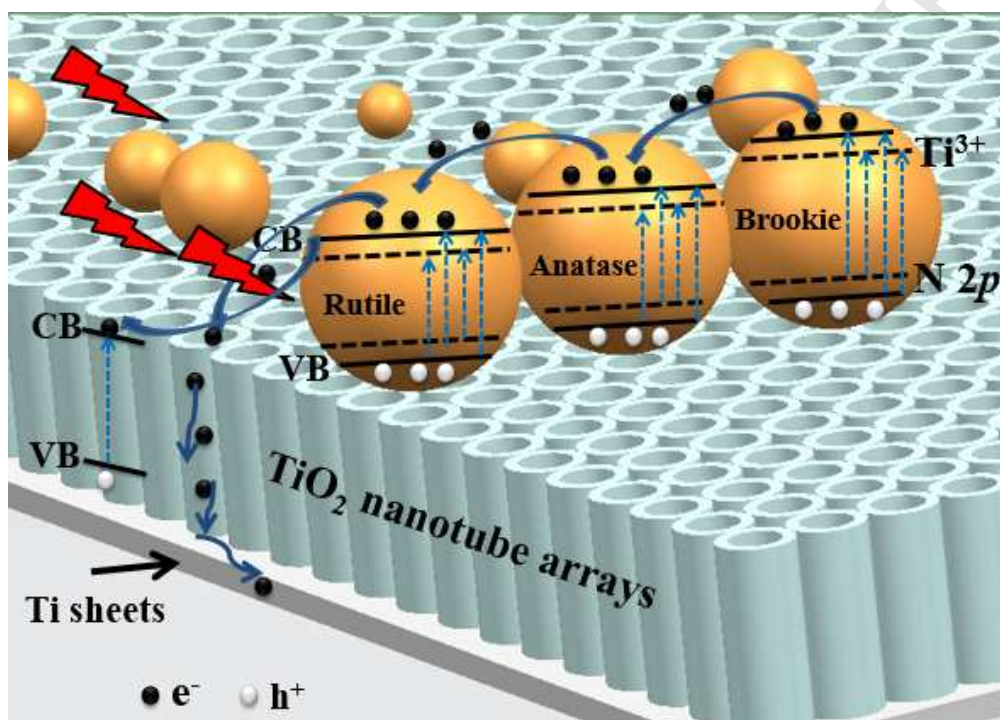
Accepted Date: 14 September 2018

Please cite this article as: X. Lin, M. Sun, Y. Yao, X. Yuan, In situ construction of N/Ti³⁺ codoped triphasic TiO₂ layer on TiO₂ nanotube arrays to improve photoelectrochemical performance, *Electrochimica Acta* (2018), doi: <https://doi.org/10.1016/j.electacta.2018.09.099>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Graphical Abstract

In situ construction of N/Ti³⁺ codoped triphasic TiO₂ layer on TiO₂ nanotube arrays to improve photoelectrochemical performance



In situ growth of N/Ti³⁺ codoped triphasic TiO₂ layer on TiO₂ nanotube arrays to construct homojunctions is achieved via hydrothermal reaction of TiN and TiO₂ nanotube arrays and better photo-electrochemical performance is demonstrated.

Download English Version:

<https://daneshyari.com/en/article/11024377>

Download Persian Version:

<https://daneshyari.com/article/11024377>

[Daneshyari.com](https://daneshyari.com)