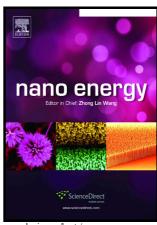
Author's Accepted Manuscript

Bifunctional sulfur-doped cobalt phosphide outperforms all-noble-metal electrocatalyst electrocatalysts in alkaline electrolyzer for overall water splitting

Mohsin Ali Raza Anjum, Mahmut Sait Okyay, Minkyung Kim, Min Hee Lee, Noejung Park, Jae Sung Lee



www.elsevier.com/locate/nanoenergy

PII: S2211-2855(18)30626-8

https://doi.org/10.1016/j.nanoen.2018.08.064 DOI:

NANOEN2994 Reference:

To appear in: Nano Energy

Received date: 29 April 2018 Revised date: 15 August 2018 Accepted date: 27 August 2018

Cite this article as: Mohsin Ali Raza Anjum, Mahmut Sait Okyay, Minkyung Kim, Min Hee Lee, Noejung Park and Jae Sung Lee, Bifunctional sulfur-doped cobalt phosphide electrocatalyst outperforms all-noble-metal electrocatalysts in alkaline electrolyzer splitting, Nano for overall water Energy, https://doi.org/10.1016/j.nanoen.2018.08.064

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 galley proof before it is published in its final citable 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.

ACCEPTED MANUSCRIPT

Bifunctional sulfur-doped cobalt phosphide electrocatalyst outperforms all-noble-metal electrocatalysts in alkaline electrolyzer for overall water splitting

Mohsin Ali Raza Anjum^{a,b}, Mahmut Sait Okyay^c, Minkyung Kim^a, Min Hee Lee^a, Noejung Park^{d*} , Jae Sung Lee^a*

^aDepartment of Energy Engineering, School of Energy and Chemical Engineering, Ulsan National Institute of Science and Technology (UNIST), 50 UNIST-gil, Ulsan 44919, South Korea.

^bChemistry Division, Directorate of Science, Pakistan Institute of Nuclear Science and Technology (PINSTECH), P.O. Nilore, Islamabad 45650, Pakistan

^cPhysics, Ulsan National Institute of Science and Technology (UNIST), 50 UNIST-gil, Ulsan 44919, South Korea

dInterdisciplinary School of Green Energy, Ulsan National Institute of Science and Technology (UNIST), 50 UNIST-gil, Ulsan 44919, South Korea

jlee1234@unist.ac.kr (J. S. Lee)

noejung@unist.ac.kr (N. Park).

*Corresponding Author

Download English Version:

https://daneshyari.com/en/article/10135869

Download Persian Version:

https://daneshyari.com/article/10135869

<u>Daneshyari.com</u>