Design of Novel 3D Flower-like Neodymium Molybdate; An Efficient and Challenging Catalyst for Sensing and Destroying Pulmonary Toxicity Antibiotic Drug Nitrofurantoin

J. Vinoth Kumar, R. Karthik, Shen-Ming Chen, Kuang-Hsiang Chen, Subramanian Sakthinathan, V. Muthuraj, Te-Wei Chiu

PII: S1385-8947(18)30541-2
DOI: https://doi.org/10.1016/j.cej.2018.03.183
Reference: CEJ 18790

To appear in: *Chemical Engineering Journal*

Received Date: 27 November 2017
Revised Date: 1 March 2018
Accepted Date: 30 March 2018

Please cite this article as: J. Vinoth Kumar, R. Karthik, S-M. Chen, K-H. Chen, S. Sakthinathan, V. Muthuraj, T-W. Chiu, Design of Novel 3D Flower-like Neodymium Molybdate; An Efficient and Challenging Catalyst for Sensing and Destroying Pulmonary Toxicity Antibiotic Drug Nitrofurantoin, *Chemical Engineering Journal* (2018), doi: https://doi.org/10.1016/j.cej.2018.03.183

Design of Novel 3D Flower-like Neodymium Molybdate; An Efficient and Challenging Catalyst for Sensing and Destroying Pulmonary Toxicity Antibiotic Drug Nitrofurantoin

J. Vinoth Kumar,[a] R. Karthik,[b] Shen-Ming Chen,[b]* Kuang-Hsiang Chen,[b] Subramanian Sakthinathan,[c] V. Muthuraj,[a] and Te-Wei Chiu[c]

[a]Department of Chemistry, VHNSN College, Virudhunagar 626001, Tamilnadu, India.

[b]Electroanalysis and Bioelectrochemistry Lab, Department of Chemical Engineering and Biotechnology, National Taipei University of Technology, No. 1, Section 3, Chung-Hsiao East Road, Taipei 106, Taiwan, ROC.

[c]Department of Materials and Mineral Resources Engineering, National Taipei University of Technology, No. 1, Section 3, Chung-Hsiao East Road, Taipei 106, Taiwan, ROC.

Corresponding Author

*E-mail: smchen78@ms15.hinet.net. Phone: +886-2270-17147. Fax: +886-2270-25238.