Accepted Manuscript

Title: On the effect of Fe concentration on Mg dissolution and activation studied using atomic emission spectroelectrochemistry and scanning electrochemical microscopy

Author: S. Thomas O. Gharbi S.H. Salleh P. Volovitch K.

Ogle N. Birbilis

PII: S0013-4686(16)31242-7

DOI: http://dx.doi.org/doi:10.1016/j.electacta.2016.05.164

Reference: EA 27388

To appear in: Electrochimica Acta

Received date: 30-1-2016 Revised date: 23-5-2016 Accepted date: 24-5-2016

Please cite this article as: S.Thomas, O.Gharbi, S.H.Salleh, P.Volovitch, K.Ogle, N.Birbilis, On the effect of Fe concentration on Mg dissolution and activation studied using atomic emission spectroelectrochemistry and scanning electrochemical microscopy, Electrochimica Acta http://dx.doi.org/10.1016/j.electacta.2016.05.164

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.



ACCEPTED MANUSCRIPT

On the effect of Fe concentration on Mg dissolution and activation studied using atomic emission spectroelectrochemistry and scanning electrochemical microscopy

S. Thomas^a, O. Gharbi^b, S.H. Salleh^{a,c,d}, P. Volovitch^b, K. Ogle^b and N. Birbilis^{a,*}

^aDepartment of Materials Science and Engineering, Monash University, Clayton 3800, Victoria, Australia ^bChimie ParisTech, Ecole Nationale Supérieure de Chimie de Paris, 11 Rue Pierre et Marie Curie, Paris 75005, France

^cCentre of Excellence Geopolymer and Green Technology, School of Materials Engineering, Universiti Malaysia Perlis, 02600 Arau, Perlis, Malaysia,

^dCSIRO Manufacturing Flagship, Clayton 3169, Victoria, Australia.

*Corresponding author: nick.birbilis@monash.edu

Tel: +61 39905 4941

Download English Version:

https://daneshyari.com/en/article/6606693

Download Persian Version:

https://daneshyari.com/article/6606693

<u>Daneshyari.com</u>