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# Magnetron-sputtered Fluorocarbon Polymeric Film on Magnesium for Corrosion Protection

Hao Wu <sup>1,2</sup>, Abdul Mateen Qasim <sup>1</sup>, Shu Xiao <sup>2</sup>, Qian Huang <sup>2</sup>, Fan Zhang <sup>1</sup>,

Zhongzhen Wu <sup>2</sup>, Ricky K.Y. Fu <sup>1</sup>, Guosong Wu <sup>1,3,\*</sup>, Paul K. Chu <sup>1,\*</sup>

<sup>1</sup> *Department of Physics and Department of Materials Science and Engineering, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong, China*

<sup>2</sup> *School of Advanced Materials, Shenzhen Graduate School, Peking University, Shenzhen 518055, China*

<sup>3</sup> *College of Mechanics and Materials, Hohai University, Nanjing 211100, China*

## Abstract

Magnesium and magnesium alloys are widely used in the electronics, automobile and aerospace industry but the poor corrosion resistance has hindered some applications. In this work, a transparent fluorocarbon polymeric thin film is deposited on magnesium by magnetron sputtering and the corrosion resistance is

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\* Corresponding authors: *E-mail:* [paul.chu@cityu.edu.hk](mailto:paul.chu@cityu.edu.hk) (P. K. Chu); *E-mail:* [wuguosong@hhu.edu.cn](mailto:wuguosong@hhu.edu.cn) (G. S. Wu)

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