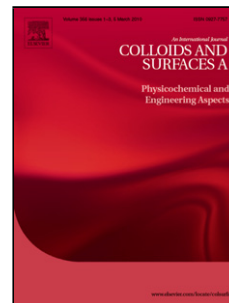


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Weathering barrier enhancement of printed circuit board by fluorinated silica based superhydrophobic coating

Shan Wan¹, Yun Cong², Dan Jiang¹, Ze-Hua Dong^{1*}

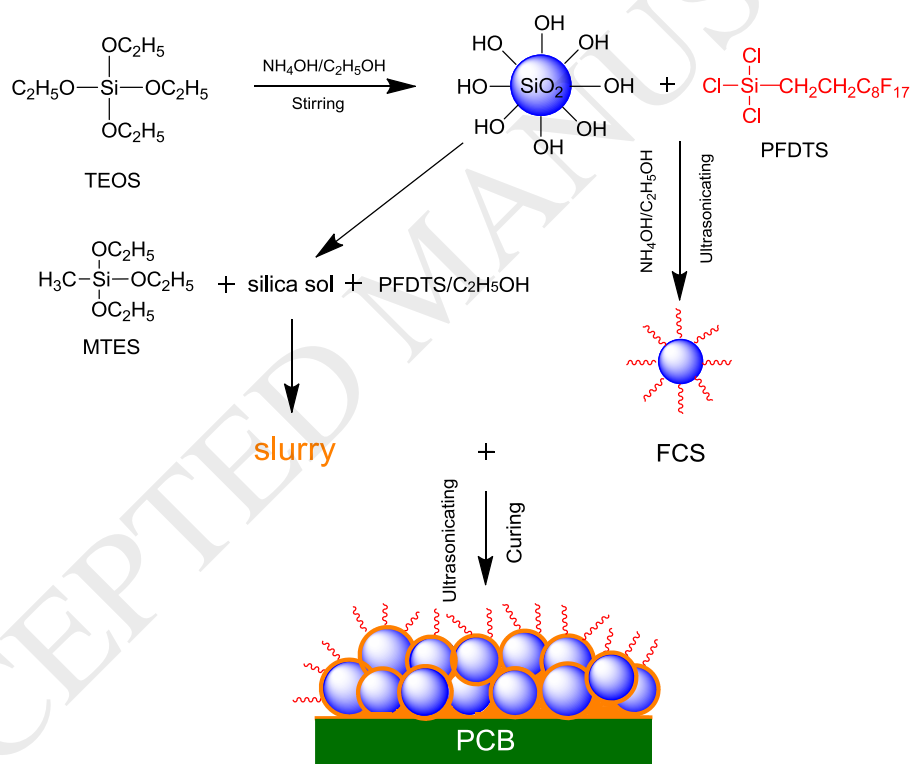
1. Hubei Key Laboratory of Material Chemistry and Service Failure, School of Chemistry and Chemical Engineering, Huazhong University of Science and Technology, Wuhan, China, 430074,

2. Zhoushan branch, State Grid Corporation of China, Zhejiang, China, 310007

* Corresponding author. Tel.: +86-27-87543432, E-mail address:

zehua.dong@gmail.com (Z. H. Dong).

Graphical Abstract



A feasible sol-gel method was developed to fabricate fluoro-functionalized colloidal silica-based superhydrophobic coating on PCB. The coating exhibits not only good waterproof, self-cleaning and anticorrosion capability, but also promising weathering resistance even in harsh environment, such as under UV irradiation or in strong acid or

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