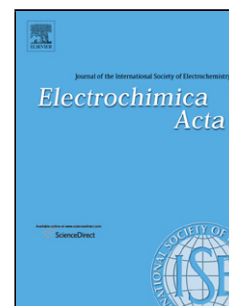


Accepted Manuscript

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PII: S0013-4686(17)31106-4
DOI: <http://dx.doi.org/doi:10.1016/j.electacta.2017.05.110>
Reference: EA 29545

To appear in: *Electrochimica Acta*

Received date: 10-3-2017
Revised date: 16-5-2017
Accepted date: 17-5-2017

Please cite this article as: Xiongwei Zhong, Jun Tang, Lujie Cao, Weiguang Kong, Zheng Sun, Hua Cheng, Zhouguang Lu, Hui Pan, Baomin Xu, Cross-linking of polymer and ionic liquid as high-performance gel electrolyte for flexible solid-state supercapacitors, *Electrochimica Acta* <http://dx.doi.org/10.1016/j.electacta.2017.05.110>

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Cross-linking of polymer and ionic liquid as high-performance gel electrolyte for flexible solid-state supercapacitors

Xiongwei Zhong^{a,b}, Jun Tang^a, Lujie Cao^{a,b}, Weiguang Kong^a, Zheng Sun^a, Hua Cheng^a, Zhouguang Lu^a, Hui Pan^{*b}, Baomin Xu^{*a}

^aDepartment of Materials Science and Engineering, Southern University of Science and Technology of China, Shenzhen, Guangdong Province 518055, China

^bInstitute of Applied Physics and Materials Engineering, University of Macau, Macao

* Corresponding authors. Tel.: +86 755 88018980;

E-mail address: xubm@sustc.edu.cn (Baomin Xu); huipan@umac.mo (Hui Pan)

Highlights

- A facile method to prepare gel polymer electrolyte with high conductivity by ultraviolet triggering and cross-linking between ionic liquid and poly (ethylene oxide) is proposed.
- A flexible symmetric capacitor based on the prepared GPE shows ultra-flexibility.
- The capacitor with high voltage can power up a 3.0V LED even bended to a angle of 180°.

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