

Zhe Li
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The research of the Zhe Li group is focused on the development of high-performance, high-stability and environmentally friendly solution-processed semiconductors and devices for photovoltaic applications and beyond. We have a particular interest in understanding the materials structure-function-stability-ecotoxicity relationships of solution processed organic, perovskite and quantum dot semiconductors and utilize such relationship to develop sustainable solar cells and other types of optoelectronic devices.

EDUCATION

Ph.D. Department of Physics (2012)
University of Cambridge

ACADEMIC EXPERIENCE

Fellow of Higher Education Academy (FHEA)
Member, American Chemical Society
Member, Institute of Physics
Member, European Materials Research Society

the School of Engineering and Materials Science, Queen Mary University of London
as a Senior Lecturer in Materials Science. (2019~)

Research associate/research fellow/junior group leader at Imperial College London
(2012-2015)

Research associate/research fellow/junior group leader at Swansea University (2015-
2017)

Lecturer of Energy Materials at School of Engineering, Cardiff University (2018-
2019)

PEER REVIEWED JOURNAL PUBLICATIONS

- Yiwen Wang, Joel Luke, Alberto Privitera, Nicolas Rolland, Chiara Labanti, Giacomo Londi, Vincent Lemaur, Daniel TW Toolan, Alexander J Sneyd, Soyeong Jeong, Deping Qian, Yoann Olivier, Lorenzo Sorace, Ji-Seon Kim, David Beljonne, Zhe Li*, Alexander J Gillett*." The critical role of the donor polymer in the

stability of high-performance non-fullerene acceptor organic solar cells” to appear in *Journal of Joule*. (Impact factor 39.8)

- Guixiang Li, Yong-Tao Liu, Feng Yang, Meng Li*, Zuhong Zhang, Jorge Pascual, Zhao-Kui Wang, Shi-Zhe Wei, Xin-Yuan Zhao, Hai-Rui Liu, Jin-Bo Zhao, Chieh-Ting Lin, Jun-Ming Li, Zhe Li, Antonio Abate*, Irene Cantone*," Biotoxicity of Halide Perovskites in Mice," to appear in *Journal of ADVANCED MATERIALS*. (Impact factor 29.4)

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