

CELEST Member Short Profile



Alexander Kuehne

Alexander JC Kuehne is a full professor for macromolecular and organic chemistry at Ulm University. His research interests evolve around molecular and colloidal materials for energy storage, photonics, and biomedical applications.

Alexander JC Kuehne studied Chemistry at the University of Cologne and University of Strathclyde, Glasgow UK, where he obtained his PhD under the supervision of Richard Pethrick. He was a Postdoctoral Fellow in the Optoelectronic Group of Klaus Meerholz in Cologne and the Soft Matter Group of Dave Weitz at Harvard University. Between 2012 and 2018 he was a research group leader at DWI – Leibniz Institute for Interactive Materials.



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Research areas		
Macromolecular Chemistry, carbon-based electrodes, polymer electrolytes		
Lab equipment (at Uni Ulm)		
Synthesis equipment, film processing: spin-coater, vacuum evaporation system (organics and metals), plasma sputter coater, GPC, HPLC, rheometer, DSC, TGA, UV-vis-, PL-, IR-spectroscopy, photoacoustic imaging, confocal microscope, cyclovoltammetry, impedance spectroscopy, electroluminescence analysis, transient electro- and photoluminescence, dektak, AFM, STM, mini-extruder, classical and rotational electrospinning, tube furnaces.		
Alexander Kuehne @ OC III	Link OC III	Link lab equipment
https://www.kuehnelab.com/	https://www.uni-ulm.de/nawi/institut-fuer-organische-chemie-iii/	