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Akiko Tsurumaki was born in Osaka, Japan, on 10th December 1987. She received Ph.D. in Engineering (2015) under the supervision of Prof. Hiroyuki Ohno in the Department of Biotechnology, Tokyo University of Agriculture and Technology. She had worked as a research fellow (DC2) of Japan Society for the Promotion of Science (JSPS) during her Ph.D. course, and currently she is working as a postdoctoral researcher at the Department of Chemistry, Sapienza University of Rome. Her research is centered on functionalization of battery electrolytes by using ionic liquids. She has published 18 papers (5 papers in 2019) in high-impact scientific journals and contributed 84 presentations in national and international conferences.

Selected publications:

- 1) A novel Li⁺-conducting polymer membrane gelled by fluorine-free electrolyte solutions for Li-ion batteries, M.A. Navarra, A. Tsurumaki, F.M. Vitucci, A. Paolone, O. Palumbo, S. Panero, *Batteries & Supercaps*, in press.
- 2) Bis(oxalato)borate and difluoro(oxalato)borate-based ionic liquids as electrolyte additives to improve the capacity retention in high voltage lithium batteries, A. Tsurumaki, M. Branchi, A. Rigano, R. Poiana, S. Panero, M.A. Navarra, *Electrochim. Acta* **2019**, 315, 17-23.
- 3) Dissolution of oligo(tetrafluoroethylene) and preparation of poly(tetrafluoroethylene)-based composites by using fluorinated ionic liquids, A. Tsurumaki and H. Ohno, *Chem. Commun.* **2018**, 54, 409-412.