

CV of Dr. Tatsuya Shoji

1 Personal information

Position: Lecturer (tenure position)
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2 Academic background

2014 – Today Lecturer, Graduate School of Science, Osaka City University, Japan
2013 – 2014 Postdoctoral fellow, Osaka City University
2011 – 2013 Postdoctoral fellow, Hokkaido University, Japan
2010 – 2011 Research Fellowship for Young Scientists, Japan Society for the Promotion of Science
2008 – 2010 Research Assistant, Hokkaido University

In 2011, Ph.D in Chemistry was received from Hokkaido University.

3 Research Interests

His research focuses on optical trappings of soft nanomaterials by means of fluorescence/Raman microspectroscopy. In particular, plasmon-based optical trapping (POT) was mainly investigated toward molecular manipulation. Applying POT for analytical chemistry, he recently developed a molecular extraction method based on POT of thermoresponsive polymer chains. Raman microspectroscopy was his powerful tool to analyze the synthesized polymer chains.

Keywords: Plasmonics, Photon force (Optical trapping), Microspectroscopy, Polymer science, Nanoscience, Photochemistry, Analytical Chemistry

4 Recent publications

see <http://tshoji.com/>