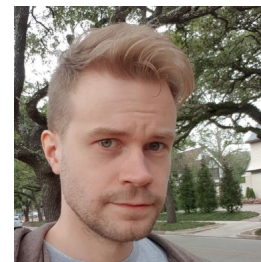


Juha Siitonen  
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Department of Chemistry and Materials Science  
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## Artistic and research interests

Experimental and theoretical organic synthesis. Emphasis on total synthesis of natural products and physical organic chemistry.

Chemistry education and didactics. Emphasis on reaction mechanistic and physical-organic thinking.

## Qualifications

PhD, Synthetic Studies on 1-Azabicyclo[5.3.0]decane Alkaloids, University of Jyväskylä  
Award Date: 4 Oct 2018

1 Jan 2020 → 31 Dec 2021 Lecturer in Chemistry, Rice University, USA

1 Jan 2019 → 31 Dec 2020 Wiess Teaching Postdoctoral Fellow, Rice University, USA

## Employment

### Assistant Professor

Assistant Professor  
Department of Chemistry and Materials Science  
Aalto University  
1 Jan 2022 → present

### Assistant Professor

Assistant Professor  
ETOS group  
Aalto University  
1 Feb 2022 → present

## Research outputs

### Challenges in aptamer-based sensor development using carbon nanotube networks

Ferrer Pascual, L., Gustafsson, E., Siitonen, J., Durairaj, V. & Laurila, T., Dec 2024, In: Sensors & diagnostics. 3, 12, p. 1935-1946 12 p.

### Catalyst-free transfer hydrogenation of activated alkenes exploiting isopropanol as the sole and traceless reductant

Das, T. K., Rodriguez Treviño, A. M., Pandiri, S., Irvankoski, S., Siitonen, J. H., Rodriguez, S. M., Yousufuddin, M. & Kürti, L., 21 Jan 2023, In: Green Chemistry. 25, 2, p. 746-754

### Aza-Quasi-Favorskii Reaction: Construction of Highly Substituted Aziridines through a Concerted Multibond Rearrangement Process

Kattamuri, P. V., Zhao, J., Das, T. K., Siitonen, J. H., Morgan, N., Ess, D. H. & Kürti, L., 22 Jun 2022, In: Journal of the American Chemical Society. 144, 24, p. 10943-10949 7 p.

## Activities

### Young Academy Finland (External organisation)

Siitonen, J. (Member)  
26 Sept 2022

**Total Synthesis of Racemic Polycyclic Alkaloids Isatindigotindoline C and Setigerumine I**

Siitonen, J. (Speaker)

2 Sept 2022

**Unconventional Organocatalysts in Synthesis**

Siitonen, J. (Speaker)

8 Apr 2022

**Awards**

**Teaching Act 2022**

Siitonen, J. (Recipient), 15 Dec 2022