

## JIANG JULONG

Institute for Chemical Reaction Design and Discovery  
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### Date of Birth

29/09/1988 (DD/MM/YYYY)

### Education

2003-2006 Hefei No.1 Senior High School

2006-2010 B.Sc. Chemistry, University of Science and Technology of China

2010-2014 Ph.D. Chemistry, The University of Sheffield (Advisor: Prof. Anthony JHM Meijer and Prof. Joseph PA Harrity)

### Working Experience

03/2014~02/2015 Postdoctoral Research Fellow at Fukui Institute of Fundamental Chemistry, Kyoto University (Advisor: Prof. Keiji Morokuma)

03/2016~02/2018 Postdoctoral Research Fellow at Department of Chemistry, University of Science and Technology of China (Advisor: Prof. Yao Fu)

03/2018~03/2018 Postdoctoral Research Fellow at Fukui Institute of Fundamental Chemistry, Kyoto University

04/2018~03/2020 Postdoctoral Research Fellow at Institute for Research Initiative, Nara Institute of Science and Technology (Advisor: Prof. Miho Hatanaka)

04/2020~09/2024 Specially Appointed Assistant Professor at Faculty of Science, Hokkaido University (Advisor: Prof. Satoshi Maeda)

10/2024~ Current Position

### Research Fields

Theoretical Chemistry, Computational Organic Chemistry, Homogeneous Catalysis, Mechanochemistry, Force-Responsive Materials

### Research Keywords

Rationalization of Catalytic Reactions

Computer-Aided Design of Catalysts via AFIR Calculations

Mechanistic Study on Mechanochemical Reactions

Development of New Mechanophores and Force-Responsive Materials

### Ongoing Projects

Participating Member of

JST-CREST Ito Solid-state Organic Synthesis with Redox Mechanochemistry

JST-ERATO Maeda Artificial Intelligence in Chemical Reaction Design and Discovery Project