

## Curriculum Vitae



**Full Name:** Yue WANG

**Contact Phone:** +81(0)80-3234-5657 18310681761 ( 国内 )

**E-mail Address:** [yue.wang@cat.hokudai.ac.jp](mailto:yue.wang@cat.hokudai.ac.jp)

## Educations

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Apr. 2013	PhD in Civil, Polymer Chemistry and Physics at the Graduate School of
Mar. 2016	Chemical Sciences and Engineering, Hokkaido University, JP

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Apr. 2011	MSc in Civil, Chemical Sciences and Engineering at the Graduate School of
Mar. 2013	Chemical Sciences and Engineering, Hokkaido University, JP

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## 教育背景

2016年3月 北海道大学 综合化学院 分子化学课程 博士(理学)导师: Tamaki Nakano

2013年3月 北海道大学 综合化学院 生物化学课程 硕士 导师: Tamaki Nakano

## Work Experiences

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Nov. 2016	Assistant Professor at Institute for Catalysis, Hokkaido University, JP
Present	

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Apr. 2016	Full-time Post-doctoral Research Fellow at Institute for Catalysis, Hokkaido
Oct. 2016	University, JP

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## 研究经历

2016年11月至今 北海道大学 催化剂研究所 高分子机能科学研究部门 中野研究室 助

理教授 (对光学活性高分子配体的合成以及催化应用的研究)

2016年4月-2016年10月 北海道大学 催化剂研究所 高分子机能科学研究部门 中野研

究室 博士后研究员 (运用圆偏振光诱导主链共轭的光学活性高分子的合成以及表征)

## Publications

1. Molecular chirality induction to an achiral  $\pi$ -conjugated polymer by circularly polarized light  
Yue Wang, Takeshi Sakamoto, and Tamaki Nakano  
*Chem. Commun.* **2012**, 48 (13), 1871-1873.
2. Photo-induced helix-helix transition of a polystyrene derivative  
Yue Wang, Takeshi Sakamoto, Yasuhito Koyama, Yuma Takanashi, Jiayi Cui, Xinhua Wan, and Tamaki Nakano  
*Polym. Chem.* **2014**, 5 (3), 718-721.
3. Predicting the Switchable Screw Sense in Fluorene-Based Polymers  
Adriana Pietropaolo, Yue Wang, and Tamaki Nakano  
*Angew. Chem. Int. Ed.* **2015**, 127 (9), 2726-2730.
4. Chirality Induction Using Circularly Polarized Light to a Branched Oligofluorene Derivative through Interactions with Achiral Molecules  
Yue Wang, Alexander L. Kanibolotsky, Peter J. Skabara, and Tamaki Nakano  
*Chem. Commun.* **2016**, 52, 1919-1922.
5. 光がつくる物質のキラリティー (円偏光によるらせん高分子合成)

中野 環、 王 玥、 吉満 隼人

化学 2015, Vol. 70, No. 8, 66-67. (総説・解説)

6. Photo Racemization and Polymerization of (*R*)-1,1'-Bi(2-naphthol)  
Zhaoming Zhang, Yue Wang, and Tamaki Nakano  
*Molecules* **2016**, 21(11), 1541.
7.  $\pi$ -Stacked poly(vinyl ketone)s with accumulated push-pull triphenylamine moieties in the side chain.  
Heng Wang Yue Wang, Xichong Ye, Haruka Hayama, Hiroyoshi Sugino, Hideyuki Nakano,



and Tamaki Nakano

*Polym. Chem.* **2017**, *8*, 708-714.

8. Isolation and phototransformation of enantiomerically pure iridium(III) bis[(4,6-difluorophenyl)pyridinato-N,C<sup>2</sup>]picolinate

Yue Wang, Takunori Harada, Yoshihito Shiota, Kazunari Yoshizawa, Heng Wang, Sheng Wang, Xichong Ye, Masamichi Ogasawara and Tamaki Nakano

*RSC Adv.* **2017**, *7*, 29550-29553.

9. Photo-induced  $\beta$ -Elimination of 9-Fluorenylmethanol Leading to Dibenzofulvene

Hassan Nageh, Liming Zhao, Akira Nakayama, Jun-ya Hasegawa, Yue Wang and Tamaki Nakano.

*Chem. Commun.* **2017**, *53*, 8431-8434.