

NANO KOREA 2020

July 1~3, KINTEX, Korea

Yusuke Yamauchi

Professor, School of Chemical Engineering, The University of Queensland (UQ)
Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology (AIBN), The University of Queensland (UQ)

Associate Editor / J Mater Chem A, RSC
Associate Editor / Chem Eng J, Elsevier

Address: Building 75, Cnr College Rd & Cooper Rd, Brisbane City QLD 4072

E-mail: y.yamauchi@uq.edu.au

Nationality: Japan

Web: <https://scholar.google.co.in/citations?hl=en&user=568w7h8AAAAJ>

EDUCATION

Waseda University, Japan	Ph.D	Department of Nanoscience & Nanoengineering	2004-2007
Waseda University, Japan	MS	Department of Nanoscience & Nanoengineering	2003-2004
Waseda University, Japan	BS	Department of Applied Chemistry	1999-2003

PROFESSIONAL ACTIVITIES

- Group Leader, World Premier International Research Center-Materials Nanoarchitectonics (WPI-MANA), National Institute for Materials Science (NIMS), Japan, October 2007 – March 2016
- Professor, Australian Institute for Innovative Materials (AIIM), University of Wollongong, Australia, May 2016 – October 2017
- Professor, School of Chemical Engineering, The University of Queensland, Australia, October 2017 – Present
- Senior Group Leader, Australian Institute for Bioengineering and Nanotechnology (AIBN), The University of Queensland, Australia, October 2017 – Present

AWARD AND HONORS

- Visiting Professor, Waseda University, Japan, 2008 – Present
- Associate Editor, APL Materials (IF: 4.296), The American Institute of Physics (AIP), 2013 – 2017
- Honorary Group Leader, Mesoscale Materials Chemistry Group, MANA, World Premier International Research Center-Materials Nanoarchitectonics (WPI-MANA), National Institute for Materials Science (NIMS), Japan, 2016 – Present
- Honorary Professor, University of Wollongong, Australia, 2017 – Present
- Associate Editor, Journal of Materials Chemistry A (IF: 10.733), The Royal Society of Chemistry (RSC), 2017 – Present

NANO KOREA 2020

July 1~3, KINTEX, Korea

- Eminent Scholar, Kyung Hee University, Republic of Korea, 2017 – Present
- Highly Cited Researchers 2016 (Chemistry), Thomson Reuters
- Highly Cited Researchers 2017 (Chemistry), Thomson Reuters
- Highly Cited Researchers 2018 (Chemistry), Thomson Reuters
- Highly Cited Researchers 2019 (Chemistry), Thomson Reuters

MAIN SCIENTIFIC PUBLICATION

- Large-Scale Synthesis of MOF-Derived Superporous Carbon Aerogels with Extraordinary Adsorption Capacity for Organic Solvents, Chaohai Wang, Jeonghun Kim, Jing Tang, Jongbeom Na, Yong-Mook Kang, Minjun Kim, Hyunsoo Lim, Yoshio Bando, Jiansheng Li and Yusuke Yamauchi* *Angewandte Chemie*, **132**, 2082-2086 (2019).
- Rational Design and Construction of Nanoporous Iron-and Nitrogen-Doped Carbon Electrocatalysts for Oxygen Reduction Reaction, Haibo Tan, Jing Tang*, Jeonghun Kim, Yusuf Valentino Kaneti, Yong-Mook Kang, Yoshiyuki Sugahara and Yusuke Yamauchi* *Journal of Materials Chemistry A*, **7**, 1380-1393 (2019).
- Assembly of Hollow Carbon Nanospheres on Graphene Nanosheets and Creation of Iron-Nitrogen-Doped Porous Carbon for Oxygen Reduction, Haibo Tan, Jing Tang*, Joel Henzie, Yunqi Li, Xingtao Xu, Tao Chen, Zhongli Wang, Jiayu Wang, Yusuke Ide, Yoshio Bando and Yusuke Yamauchi* *ACS Nano*, **12**, 5674-5683 (2018).
- Confined Self-Assembly in Two-Dimensional Interlayer Space: Monolayered Mesoporous Carbon Nanosheets with In-Plane Orderly Arranged Mesopores and a Highly Graphitized Framework, Jie Wang, Yunling Xu, Bing Ding, Zhi Chang, Xiaogang Zhang*, Yusuke Yamauchi* and Kevin C. W. Wu* *Angewandte Chemie International Edition*, **57**, 2894-2898 (2018).
- Metal-Organic Framework-Derived One-Dimensional Porous or Hollow Carbon-Based Nanofibers for Energy Storage and Conversion, Chaohai Wang, Yusuf Valentino Kaneti,* Yoshio Bando, Jianjian Lin, Chao Liu, Jiansheng Li* and Yusuke Yamauchi* *Materials Horizons*, **5**, 394-407 (2018).
- Layer-by-Layer Motif Architecturing of Hierarchical Porous Carbons through Confined Self-Assembly of Soft-Template in Layered Materials, Jie Wang, Jing Tang, Bing Ding, Victor Malgras, Zhi Chang, Xiaodong Hao, Ya Wang, Hui Dou, Xiaogang Zhang, and Yusuke Yamauchi, *Nature Communications*, **8**, 15717 (2017).
- Carbon Materials: MOF Morphologies in Control, Jing Tang, and Yusuke Yamauchi, *Nature Chemistry*, **8**, 638-639 (2016).

RESEARCH INTERESTS

- Porous Nanomaterials
- Inorganic Synthetic Chemistry
- Mesoporous Metal
- Porous Carbon Materials
- Energy Storage and Environmental Application