

## Jung Ho KIM

**2023-2024** Materials Science Australia Leader (top100)  
**2011** and **2024** Highly Cited Researcher in Cross-Field

Position: Professor

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Place: Faculty of Engineering and Information Sciences, University of Wollongong, North Wollongong, NSW 2500, Australia

### Professional Qualifications:

1994-1998 B.S., Metallurgical and Materials Engineering, Sungkyunkwan University, South Korea

1998-2000 M.S., Advanced Materials Engineering, Sungkyunkwan University, South Korea

2000-2005 Ph.D., Advanced Materials Engineering, Sungkyunkwan University, South Korea

### Working History:

2019-present Coordinator of Energy Group

2015 Professor, University of Wollongong, Australia

2012-2015 Associate Professor, University of Wollongong, Australia

2012-2015 ARC Future Fellowship, University of Wollongong, Australia

2011 Senior Research Fellow

2008-2011 ARC Postdoctoral Fellowship (APD), University of Wollongong, Australia

2005-2008 Research Associate, University of Wollongong, Australia

### Professional activities:

Editor-in-Chief, Frontiers in Batteries and Electrochemistry

Associate Editor, Energy Materials (OAE)

Senior Advisory Board, Microstructures (OAE)

Guest Editor, RSC Advances (RSC)

Guest Editor, Carbon Energy (Wiley)

Guest Editor, EcoMat (Wiley)

Guest Editor, ChemNanoMat (Wiley)

Guest Editor, Applied Organometallic Chemistry (Wiley)

Associate Editor for Science Technology of Advanced Materials (STAM)

Editorial Board Member for Scientific Reports (NPG)

Editorial Board Member for General Chemistry

Editorial Board Member for Nanomaterials (MDPI)

Advisory Board in National Institute of Materials Science (NIMS), Japan

Guest Editor in APL Materials, American Institute Physics, US

Editorial Board (Advisory Board) in Arab Journal of Physical Chemistry, Saudi Arabia

### Google Scholar:

[https://scholar.google.com/citations?hl=en&user=LEq2zHQAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.com/citations?hl=en&user=LEq2zHQAAAAJ&view_op=list_works&sortby=pubdate)

Total citations > 23700, h-factor>76

## Representative Journal Publications in energy applications (\* corresponding authors)

Min-Sik Park\* and Jung Ho Kim\*, Salt-philic and solvent-phobic, **Nature Energy** 8 (2023) 558–559

(Impact factor: 67)

Jeonghun Kim, Jung Ho Kim\*, Katsuhiko Ariga\*, Redox-active polymers for energy storage nanoarchitectonics, **Joule** 1 (2017) 739-768

(Impact factor: 39.8)

Ziqi Sun, Ting Liao, Yuhai Dou, Soo Min Hwang, Min-Sik Park, Lei Jiang, Jung Ho Kim\*, Shi Xue Dou, Generalized self-assembly of scalable two-dimensional transition metal oxide nanosheets, **Nature Communications** 5 (2014), 3813

(Impact factor: 16.6)

Jae Yup Jung, Sang A Han, Hyun-seung Kim, Joo Hyeong Suh, Ji-Sang Yu, Woosuk Cho\*, Min-Sik Park\*, Jung Ho Kim\*, Dry-Electrode All-Solid-State-Batteries fortified with a Moisture Absorbent, **ACS Nano** 17 (2023) 15931-15941

(Impact factor: 17.1)

Jaewoo Lee, Seung Hyun Choi, Hamzeh Qutaish, Yuhwan Hyeon, Sang A Han, Yoon-Uk Heo, Dongmok Whang, Jong-Won Lee, Janghyuk Moon, Min-Sik Park\*, Jung Ho Kim\*, Shi Xue Dou, Structurally stabilized lithium-metal anode via surface chemistry engineering, **Energy Storage Materials** 37 (2021) 3150324

(Impact factor: 20.44)

Jonghyeok Yun, Beom-Kyeong Park, Eun-Seo Won, Seung Hyun Choi, Hyon Chol Kang, Jung Ho Kim\*, Min-Sik Park\*, Jong-Won Lee\*, Bottom-up lithium growth triggered by interfacial activity gradient on porous framework for lithium-metal anode, **ACS Energy Letters** 5 (2020) 3108-3114

(Impact factor: 22.0)

Rahul R Salunkhe, Yusuf Valentino Kaneti, Jeonghun Kim, Jung Ho Kim\*, Yusuke Yamauchi\*, Nanoarchitecture for metal-organic framework-derived nanoporous carbon toward supercapacitor applications, **Account of Chemical Research** 49 (2016) 2796-2806

(Impact factor: 18.3)

Sang A Han, Wanchul Seung, Jung Ho Kim\*, Sang-Woo Kim\*, Ultrathin noncontact-mode triboelectric nanogenerator triggered by giant dielectric material adaption, **ACS Energy Letters** 6 (2023) 1189-1197

(Impact factor: 22.0)

Jonghyeok Yun, Beom-Kyeong Park, Eun-Seo Won, Seung Hyun Choi, Hyon Chol Kang, Jung Ho Kim\*, Min-Sik Park\*, Jong-Won Lee\*, Bottom-up lithium growth triggered by interfacial activity gradient on porous framework for lithium-metal anode, **ACS Energy Letters** 5 (2020) 3108-3114

(Impact factor: 22.0)

Joo Hyeong Suh, Sang A Han, Soo Young Yang, Jun Won Lee, Yusuke Shimada, Sang-Min Lee, Jong-Won Lee\*, Min-Sik Park\*, Jung Ho Kim\*, Toward fast-charging and dendritic-free Li growth on natural graphite through intercalation/conversion on MoS<sub>2</sub> nanosheets, **Advanced Materials**, 37 (3005) 2414117

(Impact factor: 29.4)

Ziqi Sun, Jung Ho Kim\*, Yue Zhao, Fargol Bijarbooneh, Victor Malgras, Youngmin Lee, Yong-Mook Kang, Shi Xue Dou, Rational design of 3D dendritic TiO<sub>2</sub> nanostructures with favorable architectures, **Journal of the American Chemical Society** 133 (2011) 19314-19317 (Impact factor: 15.0)