

CURRICULUM VITAE of JIEUN YANG

ORCID: [0000-0001-7053-388X](https://orcid.org/0000-0001-7053-388X)

Google scholar profile: <https://scholar.google.com/citations?user=Zrzt9FcAAAAJ&hl=en>

EDUCATION

2009–2015 **PhD in Energy Engineering**

Department of Energy Engineering, UNIST, South Korea

(Advisor: Prof. Hyeon Suk Shin)

2004–2009 **Bachelor's degree in Chemistry**

Department of Chemistry, Kyung Hee University, South Korea

CURRENT POSITION

2021–present **Assistant Professor**, Department of Chemistry, Kyung Hee University, South Korea

RESEARCH EXPERIENCE

2019–2021 **Newton international fellow**, Royal Society,

(hosted by University of Cambridge, UK)

2018–2019 **Postdoctoral Researcher**, University of Cambridge,

Dept. of Materials Science and Metallurgy

(Supervisor: Prof. Manish Chhowalla)

2016–2018 **Postdoctoral Researcher**, Rutgers University, USA, Dept. of Materials

Science Engineering (Supervisor: Prof. Manish Chhowalla)

2015–2016 **Rutgers Energy Institute Research Fellow**, USA

(Supervisor: Prof. Manish Chhowalla)

AWARDS AND HONORS

- Newton International Fellowship, Royal Society, UK, 2019-2021
- MRS postdoctoral Award, 2017 MRS Fall meeting, USA, the award citation: *For creative research in chemically exfoliated 2D materials and tireless dedication to mentoring women in science and engineering*
- Rutgers Energy Institute Postdoctoral Fellowship, 2015-2016

OUTREACH, MENTORING HIGHLIGHTS

At Rutgers University in the USA : Actively engaged in organizing and participating in Rutgers Research in Science & Engineering (RiSE) summer internship program. RiSE is annual Rutgers summer program, 50 outstanding undergraduates from underrepresented and disadvantaged backgrounds from across the nation participate in interdisciplinary research for ten weeks with a carefully matched faculty mentor.

PUBLIC ENGAGEMENT

Symposium organizer: Actively invited researchers who work on 2D TMDs around the world. The conference was held at Churchill college in Cambridge, UK. It covered latest developments in synthesis of 2D TMDs and their implementation in electronics, photonic, catalysis as well as energy conversion and storage. (6 plenary speakers, 300 participants) <https://www.2dtmds2023.com/>

PUBLICATIONS (Total = 31, Citations = 6061, H-Index = 24, google scholar)

5 representative publications

1. Zhuagnan Li, Ismail Sami, **Jieun Yang***, Juntao Li, Ramachandran Vasant Kumar, Manish Chhowalla*, "Lithiated metallic molybdenum disulfide nanosheets for high-performance lithium-sulfur batteries" **Nature Energy**, **2023** , 8, 84 (Impact factor: 67.439)
2. **J. Yang**, A. R. Mohamed, Y. Wang, R. Fullon, X. Song, F. Zhao, I. Bozkurt, M. Augustin, E. J. G. Santos, H. S. Shin, D. Voiry, H. Y. Jeong, M. Chhowalla, "Ultrahigh current density niobium disulfide catalysts for hydrogen evolution" **Nature Materials**, **2019**, 18, 1309. (Impact factor:38.887)
3. **J. Yang**, S. Manichev, M. Lagos, Y. Wang, R. Fullon, P. Batson, L. Feldman, T. Gustafsson, M. Chhowalla, "Single atomic vacancy catalysis" **ACS Nano**, **2019**, 13, 9958. (Impact factor:13.903)
4. L. Dong, **J. Yang**, M. Chhowalla, K. P. Loh, "Synthesis and reduction of large sized graphene oxide sheets." **Chemical Society Reviews**, **2017**, 46, 7306. (Impact factor:40.443)
5. D. Voiry*, **J. Yang***, J. Kupferberg, R. Fullon, C. Lee, H. Y. Jeong, H. S. Shin, and M. Chhowalla, "High-quality graphene via microwave reduction of solution-exfoliated graphene oxide", **Science** **2016**, 353, 1413(*equal contribution)