

**Gwangju Institute of Science and Technology**

**Official Press Release (https://www.gist.ac.kr/)**

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**GIST Professor Chang Hyuck Choi selected as a Young Investigator of the Year by the American Chemical Society**

□ GIST (Gwangju Institute of Science and Technology, President Kiseon Kim) School of Materials Science and Engineering Professor Chang Hyuck Choi was selected as a Young Investigator of the Year by the most prestigious journal in the field of chemistry.

∘ Professor Chang Hyuck Choi was selected as a 'JACS Young Investigators 2020,' which was carefully selected from outstanding young researchers among papers published in the Journal of the American Chemical Society in 2019.

□ The related paper is the result of collaboration with the research team of Professor Sang-Il Choi of Kyungpook National University and Professor Hyung-Kyu Lim of Kangwon National University, and it contains details of the electrochemical hydrogen production reaction on the platinum catalyst. Although the hydrogen production reaction (which is a key to realizing the hydrogen economy) is the simplest electrochemical reaction, controlling it remains a major challenge.

∘ Professor Chang Hyuck Choi's research team succeeded in accurately predicting this experimentally and theoretically by introducing a work function model. The American Journal of Chemistry evaluated this study as "very important experimental result for understanding hydrogen production reaction."



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