

Haonan Yu 于昊男

1999/01/16 | yhn90116[at]gmail.com | hnyu.org

Introduction

I am a PhD student at the Center of Clean and Low-carbon Energy, part of the School of Energy Science and Engineering at Central South University, China, where I work on Matter Modeling and Machine Learning for Catalysis. I'm luckily advised by Prof. Zhiqiang Sun and Dr. Hanzi Liu.

I have an MS in Computer Science (AI focus) from University of Wollongong and a BS in Computer Science from Heilongjiang University.

Education and Experiences

Central South University	2024/09 – 2028/07*
Ph.D. in Engineering Thermophysics	Changsha, Hunan, China

Central South University	2024/02 – 2024/07
Research Assistant at School of Energy Science and Engineering	Changsha, Hunan, China

University of Wollongong	2021/09 – 2023/07
M.Eng. in Computer Science	CCNU Campus [about] , Wuhan, Hubei, China
· Modern Crypto, Percept & Planning, Big Data Analytics, WebDev	

Heilongjiang University	2016/09 – 2020/07
B.Eng. in Computer Science	Harbin, Heilongjiang, China
· DS, OS, Networking, ML	

Publications

Energies	JCR Q3
-----------------	--------

X Liu, **H Yu**, H Liu, Z Sun

Multi-Factor Carbon Emissions Prediction in Coal-Fired Power Plants: A Machine Learning Approach for Carbon Footprint Management 2025

Case Studies in Thermal Engineering	JCR Q1
--	--------

X Liu, **H Yu**, H Liu, Z Sun

Life cycle carbon footprint analysis of deep load regulation in Coal-fired power plants based on machine learning: A case study of a 1000 MW unit in hunan province [\[link\]](#) 2025

Before September 2024, Haonan worked as an independent author.

Sage Open	JCR Q2
A Reconstruction Algorithm for Compression Perception Based on Local Learning Dictionary and SIU	2024

CSIEDE 2022	Proceedings
A Multi-Focus Image Fusion Method Based on Brushlet and CNN [link]	2022

END OF FILE