ROYAL SOCIETY
OF **CHEMISTRY**

# Advance your career in science

with professional recognition that showcases your **experience, expertise and dedication**

**Stand out from the crowd**
Prove your commitment to attaining excellence in your field

**Gain the recognition you deserve**
Achieve a professional qualification that inspires confidence and trust

**Unlock your career potential**
Apply for our professional registers (RSci, RSciTech) or chartered status (CChem, CSci, CEnv)

# Apply now

rsc.li/professional-development

**Showcasing research from Kangyong Ma's laboratory, College of Physics and Electronic Information Engineering, Zhejiang Normal University, Zhejiang, China.**

AI agents in chemical research: GVIM – an intelligent research assistant system

GVIM is a multi-agent-based chemical research system that operates through the collaborative work of professional role agents such as laboratory directors and senior chemists. This research also fine-tunes large language models using over 1.7 million collected chemistry domain instruction data points, enabling the system to provide professional chemistry model selection. GVIM can flexibly utilize different large language models, and combined with retrieval-augmented generation and chemical structure visualization capabilities, it provides new development ideas for chemical research.

ROYAL SOCIETY
OF **CHEMISTRY**

rsc.li/digitaldiscovery