Technische Universität Berlin

Research Assistant – 0.67 working time - salary grade E13 TV-L Berliner Hochschulen

There is the possibility of pursuing a doctorate.

Faculty II - Mathematics and Natural Sciences, Institute of Chemistry - Technical Chemistry / Electrocatalysis - Materials
Reference number: II-414/25 (starting at the earliest possible / limited until 31/12/2027 / closing date for applications 10/10/25)

Your responsibility:

- Participation in the ASTERISK research project, a project co-funded by the European Union and the Clean Hydrogen Partnership, in the field of electrocatalytic seawater splitting using an anion exchange membrane (focus: electrolyser single cell testing, impact of seawater electrolyte including cation effects and membrane electrode assembly development)
- Independent and scientific work in the field of electrochemistry, electrolyte effects, gas diffusion electrodes preparation

Your profile:

- Successfully completed scientific university degree (Master, Diploma or equivalent) in chemical engineering, chemistry, physics or similar
- Knowledge in the field of electrochemical water splitting and materials science and chemical analytics, especially of the effect of cations and effect of electrolyte on electrode stability
- Experience with electrochemical cell measurements with gas diffusion electrodes
- Knowledge of electrochemical characterization methods (e.g. LSV, CV, impedance spectroscopy)
- Detailed knowledge about the following software: OriginLab
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills
- Very good ability to work in a team ist desirable
- Interest in alternative electrochemical processes, which may occur due to impurities in electrolyte (i.e. cations reduction and cation interaction with other chemical species) is desired
- Knowledge about the following methods is an advantage: electrolyser single cell testing, RDE, XRD, ICP-OES/MS, SEM, TEM, EIS

What we offer:

- A varying job within an international university
- Cooperation with other research facilities and industry
- A modern workspace in Berlin
- International renowned and motivated team
- A nice working atmosphere

How to apply:

Please send your application, **quoting the reference number**, with the usual documents (cover letter, CV, copies of important certificates such as Master's/Diploma) by email to Prof. Dr. Peter Strasser at **pstrasser@tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at:
https://www.jobs.tu-berlin.de

Zertifikat seit 2008
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