



## Roman Fanta

Postdoctoral Scholar, Photon Science, SLAC

### Bio

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#### STANFORD ADVISORS

- Michal Bajdich, Postdoctoral Research Mentor
- Thomas Jaramillo, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Why Nondynamic Correlation Matters for pi-pi Stacking? Lessons from the Benzene Dimer.** *The journal of physical chemistry letters*  
Fanta, R., Jurecka, P., Dubecky, M.  
2025: 10982-10988
- **Spin State Modulation in M-N-C Single-Atom Catalysts for Oxygen Electrocatalysis** *ACS CATALYSIS*  
Jung, H., Fanta, R., Hossain, M., Bajdich, M.  
2025
- **Resolution of Selectivity Steps of CO Reduction Reaction on Copper by Quantum Monte Carlo.** *The journal of physical chemistry letters*  
Fanta, R., Bajdich, M.  
2025: 1494-1500