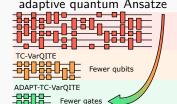
HPC+QC algorithms toolkit to study strongly correlated electron problems

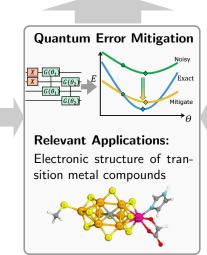
Simulation of bio-chemical transition metal compounds relevant for the green energy transition

WP1

Resource Reduction

- Accurate calculations for relevant problems on current and future NISQ devices
- Transcorrelation, active spaces, spin-symmetry and
- adaptive quantum Ansätze





WP2

Algorithms and Software for relevant insights:

- Electronic properties
- Excited states
- Quantum embedding
- Efficient QC+HPC implementation

