



Martin Stoehr

Postdoctoral Scholar, Chemistry

Bio

STANFORD ADVISORS

- Todd Martinez, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Coulomb interactions between dipolar quantum fluctuations in van der Waals bound molecules and materials** *NATURE COMMUNICATIONS*
Stoehr, M., Sadhukhan, M., Al-Hamdani, Y. S., Hermann, J., Tkatchenko, A.
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- **Accurate Many-Body Repulsive Potentials for Density-Functional Tight Binding from Deep Tensor Neural Networks** *JOURNAL OF PHYSICAL CHEMISTRY LETTERS*
Stoehr, M., Sandonas, L., Tkatchenko, A.
2020; 11 (16): 6835-6843
- **Quantum mechanics of proteins in explicit water: The role of plasmon-like solute-solvent interactions** *SCIENCE ADVANCES*
Stoehr, M., Tkatchenko, A.
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- **Theory and practice of modeling van der Waals interactions in electronic-structure calculations** *CHEMICAL SOCIETY REVIEWS*
Stoehr, M., Van Voorhis, T., Tkatchenko, A.
2019; 48 (15): 4118-4154
- **Quantum-Mechanical Relation between Atomic Dipole Polarizability and the van der Waals Radius** *PHYSICAL REVIEW LETTERS*
Fedorov, D., Sadhukhan, M., Stoehr, M., Tkatchenko, A.
2018; 121 (18): 183401
- **Communication: Charge-population based dispersion interactions for molecules and materials** *JOURNAL OF CHEMICAL PHYSICS*
Stoehr, M., Michelitsch, G. S., Tully, J. C., Reuter, K., Maurer, R. J.
2016; 144 (15): 151101
- **Dynamics of Spatially Confined Bisphenol A Trimers in a Unimolecular Network on Ag(111)** *NANO LETTERS*
Lloyd, J. A., Papageorgiou, A. C., Fischer, S., Oh, S., Saglam, O., Diller, K., Duncan, D. A., Allegretti, F., Klappenberger, F., Stoehr, M., Maurer, R. J., Reuter, K., Reichert, et al
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