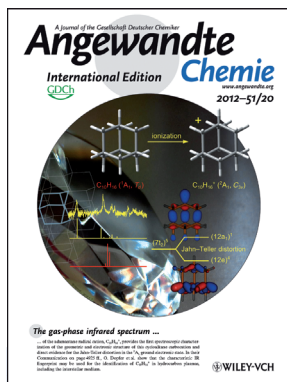




O. Dopfer

The author presented on this page has published more than **10 articles** since 2002 in *Angewandte Chemie*, most recently:

"IR Spectrum and Structure of Protonated Disilane: Probing the Si–H–Si Proton Bridge": M. Savoca, J. Langer, O. Dopfer, *Angew. Chem. Int. Ed.* **2013**, 52, 1568–1571; *Angew. Chem.* **2013**, 125, 1608–1611.



The work of O. Dopfer has been featured on the inside cover of *Angewandte Chemie*:

"Infrared Spectrum and Structure of the Adamantane Cation: Direct Evidence for Jahn–Teller Distortion": A. Patzer, M. Schütz, T. Möller, O. Dopfer, *Angew. Chem. Int. Ed.* **2012**, 51, 4925–4929; *Angew. Chem.* **2012**, 124, 5009–5013.

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Current research interests:	Intermolecular forces and solvation, biophysics, molecular recognition, chirality, astrochemistry, planetary atmospheres, plasma chemistry, metal-organic catalysis, nanomaterials, carbon and silicon nanostructures
Hobbies:	Music, tennis, downhill skiing, reading, traveling

If I could be anyone for a day, I would be ... an astronaut.

My favorite book is ... *1984* by George Orwell.

My favorite music band is ... Lynyrd Skynyrd.

The biggest challenge facing scientists is ... to ensure the survival of mankind.

Science is fun because ... it is driven by curiosity.

Looking back over my career, I ... feel satisfied.

Last time I went to the pub ... I had a couple of beers with colleagues resulting in fruitful ideas (as usual).

My favorite drink is ... Pilsner Urquell.

The most important future applications of my research are ... not yet known.

In a spare hour I ... read a nonscientific book or play with my daughters.

My biggest inspiration is ... jogging in the nearby forest.

My favorite way to spend a holiday is ... at the beach or in the mountains.

My motto is ... "take it easy but take it!"

My 5 top papers:

1. "High-Resolution Spectroscopy of Cluster Ions": E. J. Bieske, O. Dopfer, *Chem. Rev.* **2000**, 100, 3963–3998. (A complete review of spectroscopic studies of ionic clusters at the level of rotational resolution, demonstrating the potential of this approach.)
2. "Protonated Benzene: Infrared Spectrum and Structure of $C_6H_7^+$ ": N. Solcà, O. Dopfer, *Angew. Chem. Int. Ed.* **2002**, 41, 3628–3631; *Angew. Chem.* **2002**, 114, 3781–3784. (Spectroscopic proof that protonated benzene and related Wheland intermediates in aromatic substitution are indeed σ complexes.)
3. "Infrared Spectra of Isolated Protonated Polycyclic Aromatic Hydrocarbon Molecules": H. Knorke, J. Langer, J. Oomens, O. Dopfer, *Astrophys. J. Lett.* **2009**, 706, L66–L70. (Spectroscopic studies of protonated polycyclic arenes, demonstrating that such ions may be present in the interstellar medium.)
4. "Watching Water Migration around a Peptide Bond": K. Tanabe, M. Miyazaki, M. Schmies, A. Patzer, M. Schütz, H. Sekiya, M. Sakai, O. Dopfer, M. Fujii, *Angew. Chem. Int. Ed.* **2012**, 51, 6604–6607; *Angew. Chem.* **2012**, 124, 6708–6711. (Benchmark data for calibrating molecular dynamics simulations, which in turn can reliably predict dynamics in protein hydration.)
5. "IR Spectrum and Structure of Protonated Disilane: Probing the Si–H–Si Proton Bridge": M. Savoca, J. Langer, O. Dopfer, *Angew. Chem. Int. Ed.* **2013**, 52, 1568–1571; *Angew. Chem.* **2013**, 125, 1608–1611. (Spectroscopic detection and characterization of an Si–H–Si three-center two-electron bond in an isolated silicon hydride molecule.)

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