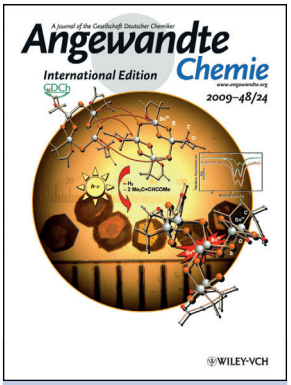
S. Dehnen

*The author presented on this page has recently published her **10th article** in Angewandte Chemie in the last 10 years:*
"Synthesis of Crystalline Chalcogenides in Ionic Liquids": S. Santner, J. Heine, S. Dehnen, *Angew. Chem. Int. Ed.* **2016**, *55*, 876; *Angew. Chem.* **2016**, *128*, 886.



The work of S. Dehnen has been featured on the inside cover of Angewandte Chemie:
"Thiostannate Tin–Tin Bond Formation in Solution: In Situ Generation of the Mixed-Valent, Functionalized Complex $[\{(RSn^{IV})_2(\mu\text{-}S)_2\}_3Sn^{III}{}_2S_6]$": Z. Hassanzadeh Fard, C. Müller, T. Harmening, R. Pöttgen, S. Dehnen, *Angew. Chem. Int. Ed.* **2009**, *48*, 4441; *Angew. Chem.* **2009**, *121*, 4507.

Stefanie Dehnen

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Position:	Professor of Inorganic Chemistry, University of Marburg
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Education:	1993 Diploma, University of Karlsruhe (KIT) 1996 PhD with Dieter Fenkse, KIT 1997 Postdoc with Reinhart Ahlrichs, KIT 2004 Habilitation, KIT
Awards:	**2004** Wöhler Young Scientists Award, Gesellschaft Deutscher Chemiker (GDCh; German Chemical Society); **2005** Heisenberg Fellowship from the Deutsche Forschungsgemeinschaft (DFG; German Research Foundation), State of Baden-Württemberg Teaching Award; **2016** Full member of the Akademie der Wissenschaften zu Göttingen (Göttingen Academy of Sciences and Humanities)
Current research interests:	Experimental and theoretical studies on synthesis, formation mechanisms, stability, and reactivity of binary and ternary chalcogenidometalate anions, organotetrel chalcogenide compounds, binary Zintl anions, and ternary intermetalloid clusters
Hobbies:	Playing violin (orchestra and string quartet), reading (good crime thrillers), and verbal acrobatics

In a spare hour, I compose or translate poems.

My favorite artist is Bodo Wartke, a fantastic piano cabaret artist.

If I could be a piece of lab equipment, I would be a silica glass ampoule: rather resilient and difficult to soften, but then rather flexible.

The most important thing I learned from my students is to *slightly* reduce my speaking rate—and how to draw a nice icosahedron on the blackboard.

My favorite painter is Wassily Kandinsky—he considered analysis and synthesis in arts, and he (also) was a synesthete.

My motto is not to take oneself too seriously, but to behave so that one might be important to others.

My first experiment was a cake dough designed by myself (from shampoo, coffee beans, yoghurt, and water), unfortunately unsuccessful.

My biggest inspiration is music by Johannes Brahms and Dmitri Shostakovitch or a brilliant wordplay.

I get advice from my children—the biological ones and the scientific ones.

I advise my students to be hardworking but not overambitious, and to treat each other with respect and without envy.

My favorite way to spend a holiday is to go camping at the seaside with my husband and our four children.

My 5 top papers:

1. "Understanding of multimetallic cluster growth": S. Mitzinger, L. Broeckaert, W. Massa, F. Weigend, S. Dehnen, *Nat. Commun.* **2016**, *7*, 10480. (Tracking the growth of purely inorganic clusters all along the formation pathway.)
2. "{μ-PbSe}: A Heavy CO Homologue as an Unexpected Ligand": G. Thiele, Y. Franzke, F. Weigend, S. Dehnen, *Angew. Chem. Int. Ed.* **2015**, *54*, 11283; *Angew. Chem.* **2015**, *127*, 11437. (Topped our aim to transfer the chemistry of binary aggregates of Group 14 and 16 elements from the lighter to the heavier congeners.)
3. "Formation of $(Bi_{11})^{3-}$, A Homoatomic, Polycyclic Bismuth Polyanion, by Pyridine-Assisted Decomposition of $(GaBi_3)^{2-}$": B. Weinert, A. R. Eulenstein, R. Ababei, S. Dehnen, *Angew. Chem. Int. Ed.* **2014**, *53*, 4704; *Angew. Chem.* **2014**, *126*, 4792. (We disproved the traditional hypotheses of the non-existence of polycyclic polybismuthide anions.)
4. "'Zeoball' $[Sn_{36}Ge_{24}Se_{132}]^{24-}$: A Molecular Anion with Zeolite-Related Composition and Spherical Shape": Y. Lin, W. Massa, S. Dehnen, *J. Am. Chem. Soc.* **2012**, *134*, 4497. (One of our most beautiful molecules, which furthermore turned out to be incredibly stable.)
5. "$[Pd_3Sn_8Bi_6]^{4-}$: A 14-vertex Sn/Bi Cluster embedding a Pd_3 Triangle": F. Lips, R. Clérac, S. Dehnen, *J. Am. Chem. Soc.* **2011**, *133*, 14168. (One of our first works on ternary intermetalloid clusters.)

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