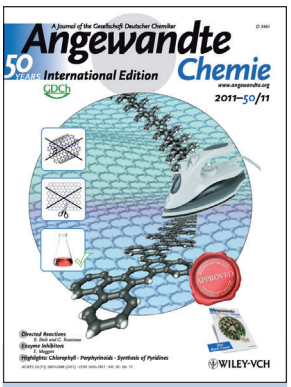
X. Feng

*The author presented on this page has recently published his **10th article** since 2000 in Angewandte Chemie*: "Graphene-Based Carbon Nitride Nanosheets as Efficient Metal-Free Electrocatalysts for Oxygen Reduction Reactions": S. Yang, X. Feng, X. Wang, K. Müllen, *Angew. Chem.* **2011**, *123*, 5451 – 5455; *Angew. Chem. Int. Ed.* **2011**, *50*, 5339 – 5343.



The work of X. Feng has been featured on the cover of Angewandte Chemie: "Graphene Nanoribbons by Chemists: Nanometer-Sized, Soluble, and Defect-Free": L. Dössel, L. Gherghel, X. Feng, K. Müllen, *Angew. Chem.* **2011**, *123*, 2588 – 2591; *Angew. Chem. Int. Ed.* **2011**, *50*, 2540 – 2543.

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Current research interests:	Design and synthesis of novel π-conjugated oligomers and polymers for supramolecular chemistry and electronic applications; fabrication of two-dimensional nanomaterials; controlling the synthesis of graphene and carbon materials with unique nanoarchitectures for applications in electronics and energy-related fields
Hobbies:	Basketball, watching soccer games

Young people should study chemistry because … they can learn how to cook.

My favorite time of day is … reading literature.

I am waiting for the day when someone will discover … the synthesis of cubic graphite.

My biggest inspiration is … to get to know the questions of tomorrow's examination from a dream.

I admire … those who always send e-mails after midnight.

My favorite way to spend a holiday is … playing Chinese cards with friends after having nice food.

If I could be a piece of lab equipment, I would be … the chromatography column because I get to see the new compounds first.

The most important thing I learned from my students is … that carbon materials can be also dealt with as organic molecules.

My motto is … that tomorrow is still far away.

My 5 top papers:

1. "Towards high charge-carrier mobilities by rational design of the shape and periphery of discotics": X. Feng, V. Marcon, W. Pisula, M. R. Hansen, J. Kirkpatrick, F. Grozema, D. Andrienko, K. Kremer, K. Müllen, *Nature. Mater.* **2009**, *8*, 421 – 426. (This work describes how to control the helical stacking of discotic liquid crystals that paves the way to high mobilities for one-dimensional charge-transport systems.)
2. "Composites of Graphene with Large Aromatic Molecules": Q. Su, S. Pang, V. Alijani, C. Li, X. Feng, K. Müllen, *Adv. Mater.* **2009**, *21*, 3191 – 3195. (This paper demonstrates that large aromatic molecules can efficiently repair the defects within solution-processed graphene films that lead to highly conductive transparent electrode materials for organic electronics.)
3. "Nitrogen-Doped Ordered Mesoporous Graphitic Arrays with High Electrocatalytic Activity for Oxygen Reduction": R. Liu, D. Wu, X. Feng, K. Müllen, *Angew. Chem.* **2010**, *122*, 2619 – 2623; *Angew. Chem. Int. Ed.* **2010**, *49*, 2565 – 2569. (This communication discloses that nitrogen-doped carbon materials can serve as efficient metal-free catalysts in fuel cells and that they can replace Pt.)
4. "Graphene-Based Nanosheets with a Sandwich Structure": S. Yang, X. Feng, L. Wang, K. Tang, J. Maier, K. Müllen, *Angew. Chem.* **2010**, *122*, 4905 – 4909; *Angew. Chem. Int. Ed.* **2010**, *49*, 4795 – 4799. (This paper for the first time shows that graphene can be a template for the production of other two-dimensional nanomaterials.)
5. "Two-Dimensional Nanostructures from Positively Charged Polycyclic Aromatic Hydrocarbons": D. Wu, R. Liu, W. Pisula, X. Feng, K. Müllen, *Angew. Chem.* **2011**, *123*, 2843 – 2846; *Angew. Chem. Int. Ed.* **2011**, *50*, 2791 – 2794. (Controllable self-assembly of amphiphilic aromatic molecules into two-dimensional nanostructures.)

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