

# Release: SOS 4.39, December 2025



## Hypervalent Halogens in Organic Synthesis

This release includes a further five chapters from the series **Hypervalent Halogens in Organic Synthesis**, edited by **Prof. Jérôme Waser** (EPFL, Lausanne, Switzerland), thus completing the Volume. The full list of chapters for this volume is shown here.

- **Electrochemical Synthesis of Hypervalent Iodine Compounds**  
*Tomas Bystron and Martin Jirasko*
- **Synthesis and Applications of Aryl- $\lambda^3$ -bromanes and Aryl- $\lambda^3$ -chloranes**  
*Igors Sokolovs and Edgars Suna*
- **Synthesis and Applications of Water-Soluble Hypervalent Iodine Reagents**  
*Chi Zhang and Ya-Nan Duan*
- **Synthesis and Applications of Benziodazole-Based Hypervalent Iodine Reagents**  
*Dan Xiao and Yunfei Du*
- **Synthesis and Applications of Alkynylbenziodoxol(on)es**  
*Stefano Nicolai and Jérôme Waser*
- **Synthesis and Applications of Vinyl- and Arylbenziodoxol(on)es**  
*Naohiko Yoshikai*
- **C–N Bond Forming Reactions with Hypervalent Iodine Reagents**  
*Kensuke Kiyokawa*
- **Aromatic Halogenation and Nitration with Hypervalent Iodine Reagents**  
*César R. Solorio-Alvarado*
- **Reactions with Fluorinated Cyclic Hypervalent Iodine Reagents**  
*Jan Balzer, Markus Tost, and Tanja Gulder*
- **Hypervalent Iodine Reagents in Gold Catalysis**  
*Nitin T. Patil, Prafulla Bera, and Bidisha Paroi*
- **Hypervalent Iodine Reagents in Photochemistry**  
*Xiaojuan Dong, Hanzhang Qin, and Yiyun Chen*
- **Hypervalent Iodine in Asymmetric Synthesis**  
*José C. Cunha, Beatriz Dedeiras, Ana Cláudia R. Negrão, and Maria Manuel B. Marques*
- **Recent Advances in Hypervalent Halogen Catalysis**  
*Hirotaaka Sasa, Yasuyuki Kita, and Toshifumi Dohi*

## Dearomatizations

This release includes four new "early view" articles from the upcoming volume **Dearomatizations**, edited by **Prof. David Sarlah** (Rice University, Texas, USA).

- **Birch and Benkeser Reduction of Aromatic Hydrocarbons**  
*M. S. Fogel, Z. S. Shellnutt, and K. Koide*
- **Chemoselective Hydrogenation of Arenes**  
*A. Shehzad, H. D. Vu, K. Devi, B. R. G. Bissinger, and M. P. Wiesenfeldt*
- **Oxidative Dearomatizations of Phenols Involving Heteronucleophiles**  
*E. Angelini and D. Sarlah*
- **Photosensitized Dearomatization of (Hetero)Arenes**  
*H. Cui, B. An, and X. Zhang*

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