Burkhard König

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Curriculum Vitae

Personal data

Date of Birth	23/6/1963
Nationality	German

Education

University education in Chemistry

6/96	*venia legendi*, Habilitation (organic chemistry), Technical University of Braunschweig, Germany
9/91	Ph.D. (Dr. rer. nat) (summa cum laude), University of Hamburg, Germany
9/88	M.S. (Hauptdiplom) (magna cum laude, 1.0), University of Hamburg, Germany
11/85	B.S. (Vordiplom) (magna cum laude, 1.3), University of Hamburg, Germany

Experience

10/99 - present	Full professor at the Department of Chemisty, University of Regensburg, Germany. Research areas: Physical-organic chemistry; supramolecular chemistry, photocatalysis, catalytic conversion of renewable resources.
6/93 – 9/99	Research group leader at the Department of Chemistry, Technical University of Braunschweig, Germany.
1/92 - 5/93	Postdoctoral fellow with Prof. Dr. B. M. Trost at Stanford University, U.S.A.
10/91 - 1/92	Visiting research fellow with Prof. Dr. M. A. Bennett at the Research School of Chemistry, Australian National University, Canberra, Australia
3/88 - 9/91	Graduate research with Prof. Dr. A. de Meijere at the University of Hamburg

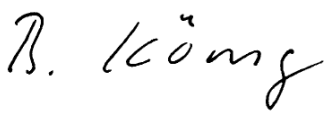
Awards and activities

Elected member, German Academy of Sciences, Leopoldina, Halle (2025)
Elected member, Bavarian Academy of Sciences, Munich (2025)
Honda- Fujishima Lectureship Award, Japanese Photochemistry Association (2023)
Invitation fellowship award of the `Japan Society for the Promotion of Science´ (2023)
Highly cited researcher, Clarivate (2021, 2022, 2023)
Honorary member of the Daylight Academy (2021)
Chemistry Europe Fellow (2019)

Editor of the Science of Synthese reference volume on photocatalysis
Reinhard-Koselleck grant of the German Science Foundation (2017)
Member of the Senate Grants Committee of the German Science Foundation (DFG) for coordinated research centers (CRC, SFB) (2017 – 2023)
European Research Council adv grant 2016
Editorial board member of “Chemistry – A European Journal” and “European Journal of Organic Chemistry (Chair) (since 2014)
UN-Decade Award on Sustainability 2011/2012
Dean of the faculty of chemistry and pharmacy 2011 - 2015
Literature award of the Fonds of the German Chemical Industry 2007
Chairman of the Liebig Vereinigung (National organic division; 2008 – 2012)
Member of the executive board of the German Chemical Society (2004 - 2007)
Chairman of the „Arbeitsgemeinschaft Deutscher Universitätsprofessoren Chemie (ADUC)“ (2005-2007)
Member of the International Advisory Board of the Institute for Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prag (since 2004)
Member of the International Advisory Board of the “European Journal of Organic Chemistry” (since 2004)
Invitation fellowship award of the `Japan Society for the Promotion of Science´ (1996)
Award of the Dr. Otto Röhm Gedächnisstiftung (1995)
Fellowship of the Deutsche Forschungsgemeinschaft (Habilitationsstipendium)
Fellowship of the Fonds der Chemischen Industrie (Liebig-Stipendium)
Postdoctoral fellow of the Alexander von Humboldt foundation (Feodor-Lynen fellow)
Graduate fellow of the Studienstiftung des Deutschen Volkes

Publication record Scientific papers and reviews: ~ 640 / H-index 86 (Clarivate), 97 (Google Scholar)
books, book reviews, science-related articles: ~ 60

Regensburg 3/2025



For additional information, please visit: **http://www-oc.chemie.uni-regensburg.de/koenig/index.html**

Ten self-selected publications

1. Y. Tian, W. Silva, R. M. Gschwind, B. König, ´Accelerated photochemical reactions at oil-water interface exploiting melting point depression´ *Science* **2024**, *383*, 750-756.
2. I. Ghosh, N. Shlapakov, T. A. Karl, J. Düker, M. Nikitin, J. V. Burykina, V. P. Ananikov, B. König, ´General cross-coupling reactions with adaptive dynamic homogeneous catalysis´ *Nature* **2023,** *619*, 87-93.
3. Y.- M. Tian, E. Hofmann, W. Meneszes-da-Silva, X. Pu, D. Touraud, R. M. Gschwind, W. Kunz, B. König, ´Enforced Electronic-Donor-Acceptor Complex Formation in Water for Photochemical Cross-Coupling´ *Angew. Chem. Int. Ed.* **2023** e202218775.
4. M. Schmalzbauer, T. D. Svejstrup, F. Fricke, P. Brandt, M. J. Johansson, G. Bergonzini, B. König 'Redox-neutral Photocatalytic C-H Carboxylation of Arenes and Styrenes with CO_2' *Chem* **2020**, *6*, 2658-2672.
5. A. Graml, T. Nevesely, R. J. Kutta, R. Cibulka, B. König 'Deazaflavin reductive photocatalysis involves excited semiquinone radicals' *Nat Commun*. **2020**, *11***,** Artikel-Nr. 3174; doi.org/10.1038/s41467-020-16909-y.
6. S. Wang, B.-Y. Cheng, M. Sršen, B. König 'Umpolung Difunctionalization of Carbonyls via Visible-Light Photoredox Catalytic Radical-Carbanion Relay' *J. Am. Chem. Soc*. **2020**, *142*, 7524−7531.
7. I. Ghosh, J. Khamrai, A. Savateev, N. Shlapakov, M. Antonietti, B. König 'Organic semiconductor photocatalyst can bifunctionalize arenes and heteroarenes' *Science* **2019***, 365*, 360-366.
8. Q.-Y. Meng, T. E. Schirmer, A. L. Berger, K. Donabauer, B. König 'Photocarboxylation of Benzylic C-H bonds' *J. Am. Chem. Soc.* **2019**, *141*, 11393 – 11397.
9. I. Ghosh, B. König 'Chromoselective Photocatalysis: Controlled Bond Activation through Light-Color Regulation of Redox Potentials' *Angew. Chem. Int. Ed*. **2016,** *55*, 7676 –7679.
10. I. Ghosh, T. Ghosh, J. I. Bardagi, B. König 'Reduction of aryl halides by consecutive visible light-induced electron transfer processes' *Science* **2014**, *346*, 725-728.