

Burkhard König

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Curriculum Vitae

Personal data

Date of Birth 23/6/1963
Nationality German
marital status married, one child



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 Chemistry, 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

Editor of the Science of Synthese reference volume on photocatalysis
Reinhard-Koselleck grant of the DFG (2017)
ERC 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 Gedächtnisstiftung (1995)
Fellowship of the Deutsche Forschungsgemeinschaft
(Habilitationstipendium)
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

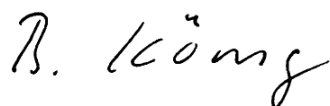
Publication record

Scientific papers and reviews: ~ 420 / H-index 60

books, book reviews, science related articles: ~ 60

Regensburg

1/2020




For additional information, please see:

<http://www-oc.chemie.uni-regensburg.de/koenig/index.html>

Ten self selected publications

Complete list of publications (> 450, H-index 60, Zitationen 14.173):

<http://www-oc.chemie.uni-regensburg.de/koenig/publications.php>

 <https://orcid.org/0000-0002-6131-4850>; Web of Science ResearcherID: A-1362-2009

<https://scholar.google.de/citations?user=IEKVTKAAAAAJ&hl=de>

1. 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.
2. 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.
3. Q.-Y. Meng, S. Wang, G. S. Huff, B. König 'Ligand-Controlled Regioselective Hydrocarboxylation of Styrenes with CO₂ by Combining Visible Light and Nickel Catalysis' *J. Am. Chem. Soc.* **2018**, 140, 3198 - 3201.
4. K. Chen, N. Berg, R. Gschwind, B. König 'Selective Single C(sp³)-F Bond Cleavage in Trifluoromethylarenes: Merging Visible-Light Catalysis with Lewis Acid Activation' *J. Am. Chem. Soc.* **2017**, 139, 18444–18447.
5. I. Ghosh, B. König 'Chromoselective Photocatalysis: Controlled Bond Activation through Light-Color Regulation of Redox Potentials' *Angew. Chem. Int. Ed.* **2016**, 55, 7676 – 7679.
6. T. Ghosh, T. Slanina, B. König 'Visible light photocatalytic reduction of aldehydes by Rh(III)-H: a detailed mechanistic study' *Chem. Sci.* **2015**, 6, 2027–2034.
7. 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. (Times Cited: 296)
8. D. P. Hari, B. König 'The Photocatalyzed Meerwein Arylation: Classic Reaction of Aryl Diazonium Salts in a New Light' *Angew. Chem. Int. Ed.* **2013**, 52, 4734 – 4743. (Times cited: 477)
9. S. Banerjee, B. König 'Molecular Imprinting of Luminescent Vesicles' *J. Am. Chem. Soc.* **2013**, 135, 2967 – 2970.
10. M. Cherevatskaya, M. Neumann, S. Földner, C. Harlander, S. Kümmel, S. Dankesreiter, A. Pfitzner, K. Zeitler, B. König 'Visible light Promoted Stereoselective Alkylation by Combining Heterogeneous Photocatalysis with Organocatalysis' *Angew. Chem. Int. Ed.* **2012**, 51, 4062 – 4066.