

Curriculum Vitae

Personal information **Edyta Burda-Daghish**

Work experience

1. BfArM
 - >04/2019
 - Scientific employee
 - Activities: Database manager, Substance expert
2. Institute of Pharmacy, Leipzig University
 - 05/2014-03/2019
 - Scientific employee
3. Institute of Pharmacy, Leipzig University
 - 07/2010-04/2014
 - Postdoc
4. Institute of Molecular Enzyme Technology, University Düsseldorf
 - 02/2010-06/2010
 - Postdoc

Education and training

1. Friedrich-Alexander University Erlangen-Nürnberg
 - 01/2007-01/2010
 - PhD
2. Cracow University of Technology
 - 10/2001-10/2006
 - Studies of chemical technology
3. University of Applied Sciences
 - 09/2005-10/2006
 - Master of Sciences

Additional information

Publications

14. T. Boettke, S. Ernicke, R. Serfling, Ch. Ihling, E. Burda, V. V. Gurevich, A. Sinz, I. Coin "Exploring GPCR-arrestin interfaces with genetically encoded crosslinkers" EMBO Reports, 20020, 21(11), 50437
13. E. Burda, J. Rademann „Catalytic activation of pre-substrates with N-, O-, and S-nucleophiles via dynamic fragment assembly on protein templates" Nature Comm. 2014, 5, 5170.
12. H. Gröger, W. Hummel, E. Burda, T. Reß, T. Winkler, C. Giese, X. Kostrov „Produktion of chiral nitroalkanes by enoate reductase catalyzed enantioselective reduction of nitroalkenes" Ger. Offen. 2014, DE 102012022670 A1 20140522
11. E. Burda, T. Reß, T. Winkler, C. Giese, X. Kostrov, T. Huber, W. Hummel, H. Gröger „Highly Enantioselective Reduction of α -Methylated Nitroalkenes" Angew. Chem. 2013, 125, 9493-9496; Angew. Chem. Int. Ed. 2013, 52, 9323-9326.
10. S. Staudt, E. Burda, C. Giese, C. A. Müller, J. Marienhagen, U. Schwaneberg, W. Hummel, K. Drauz, H. Gröger „Direct oxidation of Cycloalkanes to Cycloalkanones with Oxygen in Water" Angew. Chem. 2013, 125, 1-6, Angew. Chem. Int. Ed. 2013, 52, 2359-2363.
9. S. Borchert, E. Burda, J. Schatz, W. Hummel, H. Gröger „Combination of a Suzuki cross-coupling reaction using a water-soluble palladium catalyst with an asymmetric enzymatic reduction towards a one pot process in aqueous medium at room temperature" J. Mol. Cat. B: Enzymatic 2012, 84, 89-93.
8. J. Munkert, P. Bauer, E. Burda, F. Müller-Uri, W. Kreis „Progesterone 5 β -reductase of *Erysimum crepidifolium*: cDNA cloning" Phytochemistry 2011, 72, 1710-1717.
7. P. Bauer, J. Munkert, M. Brydziun, E. Burda, F. Müller-Uri, H. Gröger, Y. A. Muller, W. Kreis „Highly conserved progesterone 5 β -reductase genes (P5 β R) from 5 β -cardenolide-free and 5 β -cardenolide- producing angiosperms" Phytochemistry 2010, 71, 1495-1505.
6. H. Gröger, E. Burda, U. Schwaneberg, J. Marienhagen, K. Drauz „Method for the Enzymatic Reaction of Alkanes" PCT Int. Appl. 2010, WO 2010070086.
5. E. Burda, W. Bauer, W. Hummel, H. Gröger „Enantio- and Diastereoselective Chemoenzymatic Synthesis of C2-Symmetric Biphenyl-Containing Diols", ChemCatChem 2010, 62-67.
4. E. Burda, M. Krauß, G. Fischer, W. Hummel, F. Müller-Uri, W. Kreis, H. Gröger „Recombinant Steroid Reductase as Biocatalysts for the Reduction of Activated C=C-Double Bond in Acyclic and Monocyclic Molecules" Adv. Synth. Catal. 2009, 351, 2787-2790.
3. K. Baer, M. Krauß, E. Burda, W. Hummel, A. Berkessel, H. Gröger „Sequentielle und modulare Synthese von chiralen 1,3-Diolen mit zwei Stereozentren: Zugang zu allen vier Stereoisomeren durch Kombination von Organo- und Biokatalyse" Angew. Chem. 2009, 121, 9519-9522, Angew. Chem. Int. Ed. 2009, 48, 9355-9358.
2. E. Burda, W. Hummel, H. Gröger „Modulare chemo-enzymatische Eintopfsynthesen im wässrigen Medium:

Kombination einer Palladium-katalysierten Kreuzkupplung mit einer asymmetrischen Biotransformation" Angew. Chem. 2008, 120, 9693-9696; Angew. Chem. Int. Ed. 2008, 47, 9551-9554.

1. H. Gröger, E. Burda in: Phosphorus Ligands in Asymmetric Catalysis (Hrsg.: A. Börner) 2008, 3, 1175 1197, Wiley-VCH, Weinheim.

Projects

Memberships

HMA SVG

GIDWG

Other Relevant Information