

List of Publications

210. W. Fröhner, K. R. Reddy, H.-J. Knölker, *Arkivoc* **2012**, (iii), in print: Transition Metals in Organic Synthesis, Part 98. Transition Metal Mediated Total Synthesis of the Potent Neuronal Cell Protecting Alkaloid (\pm)-Lavanduquinocin.
209. T. Gensch, M. Rönnefahrt, R. Czerwonka, A. Jäger, O. Kataeva, I. Bauer, H.-J. Knölker, *Chem. Eur. J.* **2012**, *18*, 770–776: Transition Metals in Organic Synthesis, Part 99. Snapshot of the Palladium(II)-Catalyzed Oxidative Biaryl Bond Formation by X-Ray Analysis of the Intermediate Diarylpalladium(II) Complex.
208. I. Bauer, H.-J. Knölker, *Top. Curr. Chem.* **2012**, *309*, 203–253: Synthesis of Pyrrole and Carbazole Alkaloids.
207. U. Pässler, H.-J. Knölker in *The Alkaloids*; H.-J. Knölker, Ed.; Academic Press, London, **2011**; Vol. 70, chap. 2, pp. 79–151: The Pyrrolo[2,1-*a*]isoquinoline Alkaloids.
206. R. Martin, A. Jäger, H.-J. Knölker, *Synlett* **2011**, 2795–2798: Transition Metals in Organic Synthesis, Part 97. Silver-Catalyzed Synthesis of Hexahalogenated 2,2'-Bipyrroles.
205. C. Thomas, O. Kataeva, H.-J. Knölker, *Synlett* **2011**, 2663–2666: Transition Metals in Organic Synthesis, Part 96. First Total Synthesis of Streptoverticillin: Unambiguous Confirmation of the Absolute Configuration.
204. U. Pässler, M. Gruner, S. Penkov, T. V. Kurzchalia, H.-J. Knölker, *Synlett* **2011**, 2482–2486: Synthesis of Ten Members of the Maradolipid Family: Novel Diacyltrehalose Glycolipids from *Caenorhabditis elegans*.
203. M. Fuchsenberger, R. Forke, H.-J. Knölker, *Synlett* **2011**, 2056–2058: Transition Metals in Organic Synthesis, Part 95. First Total Synthesis of the 1,7-Dioxygenated Carbazole Alkaloids Clausine Q and Clausine R.
202. K. Chinthalapudi, M. H. Taft, R. Martin, S. M. Heissler, M. Preller, F. K. Hartmann, H. Brandstaetter, J. Kendrick-Jones, G. Tsiavaliaris, H. O. Gutzeit, R. Fedorov, F. Buss, H.-J. Knölker, L. M. Coluccio, D. J. Manstein, *J. Biol. Chem.* **2011**, *286*, 29700–29708: Mechanism and Specificity of Pentachloropseudilin-Mediated Inhibition of Myosin Motor Activity.
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200. G. Rouillé, M. Steglich, C. Jäger, F. Huisken, T. Henning, G. Theumer, I. Bauer, H.-J. Knölker, *ChemPhysChem* **2011**, *12*, 2131–2137: Spectroscopy of Dibenzorubicene: Experimental Data for a Search in Interstellar Spectra.
199. K. K. Gruner, H.-J. Knölker in *Heterocycles in Natural Product Synthesis*; K. C. Majumdar, S. K. Chattopadhyay, Eds.; Wiley-VCH, Weinheim, **2011**; chap. 10, pp. 341–376: Carbazoles and Acridines.

198. M. Preller, K. Chinthalapudi, R. Martin, H.-J. Knölker, D. J. Manstein, *J. Med. Chem.* **2011**, *54*, 3675–3685: Inhibition of Myosin ATPase Activity by Halogenated Pseudilins: A Structure–Activity Study.
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196. H. Schieb, S. Weidlich, G. Schlechtingen, P. Linning, G. Jennings, M. Gruner, J. Wiltfang, H.-W. Klafki, H.-J. Knölker, *Chem. Eur. J.* **2010**, *16*, 14412–14423: Structural Design, Solid Phase Synthesis and Activity of Membrane-Anchored β -Secretase Inhibitors on A β Generation from Wild-Type and Swedish-Mutant APP.
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192. A. W. Schmidt, H.-J. Knölker, *Synlett* **2010**, 2207–2239 (*Account*): Cycloadditions of Allylsilanes, Part 22. Stereoselective Synthesis of Cyclopentanes and Cyclobutanes by Lewis Acid Promoted [3+2] and [2+2] Cycloadditions of Allylsilanes.
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190. R. Martin, S. Agarwal, A. Jäger, M. Böhl, S. Richter, G. Tsiavaliaris, R. Fedorov, D. J. Manstein, H. O. Gutzeit, H.-J. Knölker in *The Chemistry and Biological Activity of Synthetic and Natural Compounds – Modern Aspects of Chemistry of Heterocycles*; V. G. Kartsev, Ed.; ICSPF Press, Moscow, **2010**; pp. 110–117: Specific Inhibitors of Myosin ATPase via Silver-Catalyzed Synthesis of Pyrroles.
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179. J. T. Hannich, E. V. Entchev, F. Mende, H. Boytchev, R. Martin, V. Zagoriy, G. Theumer, I. Riezmann, H. Riezmann, H.-J. Knölker, T. V. Kurzchalia, *Dev. Cell* **2009**, *16*, 833–843: Methylation of the Sterol Nucleus by STRM-1 Regulates Dauer Larva Formation in *Caenorhabditis elegans*.
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