

Prof. Dr. Dr. Athanassios Giannis: PUBLICATIONS in peer-reviewed journals (Nov 2021)

161) F. Mousavizadeh, D. Pliatsika, T. Smeilus, D. Meyer, M. Kaiser, T. Efferth, A. Giannis, *Tetrahedron* **2021**, *98*, article 132410. **"Synthesis and biological evaluation of antimalarial and antileukemic activity of new C-10 modified artemisinin derivatives"**

160) C. Heim, D. Pliatsika, F. Mousavizadeh, K. Baer, B. Hernandez Alvarez, A. M. D. Hartmann, *J. Med. Chem.* **2019**, *62*(14), 6615-6629. **"De-Novo Design of Cereblon (CRBN) Effectors Guided by Natural Hydrolysis Products of Thalidomide Derivatives"**

159) T. Smeilus, F. Mousavizadeh, J. Krieger, Tu Xingzhao, M. Kaiser, A. Beilstein *J. Org. Chem.* **2019**, *15*, 567-570. **"Synthesis and biological investigation of (+)-3-hydroxymethyl artemisinin"**

158) F. Mousavizadeh, A. Giannis, *Synlett* **2019**, *30*(12), 1401-1418. **"On Artemisinin, Cyclophamine, D-Isocitric acid, Hyperforin, Epigenetics, Sialic Acid, and More"**

157) Spirova EN, Ivanov IA, Kasheverov IE, Kudryavtsev DS, Shelukhina IV, Garifulina AI, Son LV, Lummis SCR, Malca-Garcia GR, Bussmann RW, Hennig L, Giannis A, Tsetlin VI. **"Curare alkaloids from Matis Dart Poison: Comparison with d-tubocurarine in interactions with nicotinic, 5-HT3 serotonin and GABAA receptors."** *PLoS One.* 2019 Jan 4;14(1):e0210182. doi: 10.1371/journal.pone.0210182. eCollection 2019. PMID: 30608952

156) A. Roumana, A. Yektaoglu, D. Pliatsika, M. Bantzi, S. S. Nikolaropoulos, A. M. A. Fouteris, *Eur. J. Org. Chem.* **2018**, *30*, 4147-4160. **"New Spiro-Lactam C-nor--homo Steroids"**

155) J. Krieger, T. Smeilus, M. Kaiser, E-J. Seo, T. Efferth, A. Giannis, *Angew. Chem. International Edition* 2018, *57*(27), 8293-8296. **"The Antimalarial Activity of Artemisinin is not Stereospecific"**

154) F. Mousavizadeh, D. Meyer, A. Giannis, *Synthesis* **2018**, *50*, 1587-1600, **"Synthesis of C-Nor-D-homo-steroidal Alkaloids and Their Derivatives"**

153) A. Aurich, J. Hofmann, R. Oltrogge, M. Wecks, R. Glaeser, L. Bloemer, S. Mauersberger, R. A. Müller, D. Sicker, A. Giannis, *Org. Process Res. Dev.* **2017**, *21*, 866-870 **"Improved isolation of microbiologically produced (2R,3S)-isocitric acid by adsorption on activated carbon and recovery with methanol."**

152) K. Sofou, D. Isaakidis, A. Spyros, A. Büttner, A. Giannis, H. E. Katerinopoulos, *Beilstein J. Org. Chem.* **2017**, *13*, 952 - 959. **"Use of costic acid, a natural extract from *Dittrichia viscosa*, for the control of *Varroa destructor*, a parasite of the European honey bee."**

151) A. S. Letis, E.-J. Seo, S. S. Nikolaropoulos, T. Efferth, A. Giannis, M. A. Fouteris, *Bioorg. Med. Chem.* **2017**, *25*, 3357-3367, **"Synthesis and cytotoxic activity of new artemisinin hybrid molecules against human leukemia cells."**

150) J. Krieger, T. Smeilus, O. Schackow, A. Giannis, *Chem. Eur. J.* **2017**, *23*, 5000 - 5004. **"Lewis Acid Mediated Nazarov Cyclization as a Convergent and Enantioselective Entry to C-nor-D-homo-Steroids."**

149) D. Meyer, T. Smeilus, D. Pliatsika, F. Mousavizadeh, A. Giannis, *Bioorg. Med. Chem.* **2017**, *25*, 6098-6101 **"Synthesis of novel C-9 carbon substituted derivatives of artemisinin."**

148) A. Antoniou, M. Chatzopoulou, M. Bantzi, C. M. Athanassopoulos, A. Giannis, E. N. Pitsinos, *Chem. Med. Commun.* **2016**, *7*, 2328 - 2331. **"Identification of Gli-mediated transcription inhibitors through synthesis and evaluation of taepeenin D analogues."**

147) G. R. Malca Garcia, L. Hennig, I. V. Shelukhina, D. S. Kudryavtsev, R. W. Bussmann, V. I. Tsetlin, A. Giannis, *J. Nat. Prod.* **2015**, *78* (11), 2537-44. **"Curare Alkaloids: Constituents of a Matis Dart Poison."**

146) P. Heretsch, A. Giannis, *The Alkaloids* 2015, 74, 201-232. "The Veratrum and Solanum Alkaloids."

145) T. Smeilus, L. Hennig, L. Beyer, J. Sieler, A. Giannis, *Synlett* **2015**, *47*, 1887-1892.
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- 134) M. Thiele, S. Rabe, W. Hessenkemper, D. Roell, S. Bartsch, F. Kraft, T. E. Abraham, A. B. Houtsmuller, M. E. van Royen, A. Giannis, A. Baniahmad, *Curr. Med. Chem.* **2014**, *22*(9), 1156 - 1167
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