

**A total conformational analysis of diastereomeric esters and calculation of their conformational shielding models**  
**Tamp, Sven; Danilas, Kady; Kreen, Malle; Vares, Lauri; Kiirend, Ene; Vija, Sirje; Pehk, Tõnis; Parve, Omar; Metsala, Andrus**  
Journal of molecular structure : THEOCHEM 2008 / 1/3, p. 84-91 : ill  
[https://www.researchgate.net/publication/244272489\\_A\\_total\\_conformational\\_analysis\\_of\\_diastereomeric\\_esters\\_and\\_calculation\\_of\\_their\\_conformational\\_shielding\\_models](https://www.researchgate.net/publication/244272489_A_total_conformational_analysis_of_diastereomeric_esters_and_calculation_of_their_conformational_shielding_models)

**An assessment of alternative low level calculation methods for the initial selection of conformers of diastereomeric esters**  
**Metsala, Andrus; Tamp, Sven; Danilas, Kady; Lille, Ülo; Villo, Ly; Vija, Sirje; Pehk, Tõnis; Parve, Omar** Journal of theoretical chemistry 2014 / p. 1-10 : ill

**An NMR and MD modeling insight into nucleation of 1,2-alkanediols : selective crystallization of lipase-catalytically resolved enantiomers from the reaction mixtures**  
**Parve, Omar; Reile, Indrek; Parve, Jaan; Kasvandik, Sergio; Kudrjašova, Marina; Tamp, Sven; Metsala, Andrus; Villo, Ly; Pehk, Tõnis; Jarvet, Jüri; Vares, Lauri** Journal of organic chemistry 2013 / p. 12795-12801 : ill <https://doi.org/10.1021/jo402189e> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#) [Journal metrics at WOS](#)

**An NMR spectroscopic investigation of functional group selectivity of lipase-catalysed reactions of 11-acetyl prostaglandins E1 and E2**  
**Villo, Ly; Tamp, Sven; Vallikivi, Imre; Järving, Ivar; Pehk, Tõnis; Parve, Omar** Proceedings of the 9th International Symposium on Biocatalysis and Biotransformations - (Biotrans 2009) Held in Bern, Switzerland 5-9 July 2009 2010 / p. 66

**Assignment of configuration of chiral cyclic compounds by modelled spin-spin couplings and vibrational circular dichroism spectra**  
**Aav, Riina; Suun, Silver; Tamp, Sven; Ausmees, Kerti; Kriis, Kadri; Metsala, Andrus; Peterson, Anna; Öeren, Mario** 2nd Polish-Taiwanese Conference : From Molecular Modeling to Nano- and Biotechnology : 26-28 August 2015, Opole, Poland 2015 / [1] p. : ill

**Asymmetric synthesis of the 2,2,3-trisubstituted cyclopentanone, D-ring fragment of 9,11-secosterols**  
**Kõllo, Marek; Aav, Riina; Tamp, Sven; Jarvet, Jüri; Lopp, Margus** Tetrahedron 2014 / p. 6723-6727 : ill  
<https://doi.org/10.1016/j.tet.2014.07.079> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Asymmetric synthesis of the D-ring fragment of 9,11-secosterols and its configuration assignment**  
**Kõllo, Marek; Aav, Riina; Tamp, Sven; Jarvet, Jüri; Lopp, Margus** TÜ ja TTÜ doktorikool "Funktsionaalsed materjalid ja tehnoloogiad" : 04.-05. märts 2014, Tartu 2014 / [1] p. : ill

**Bitsüklo[3.3.0]oktaanide suhtelise konfiguratsiooni määramine 1H-13C spinn-spinn sidestuskonstantide abil**  
**Suun, S.; Pehk, Tõnis; Kaljuste, K.; Tamp, Sven; Jarvet, Jüri; Aav, Riina** XXXII Eesti Keemiapäevad : teaduskonverentsi teesid 2011 / lk. 96 : ill

**A chemoenzymatic synthesis of a deoxy sugar ester of N-Boc-protected L-tyrosine**  
**Villo, Ly; Kreen, Malle; Kudrjašova, Marina; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar** Practical methods for biocatalysis and biotransformations. 2 2012 / p. 335-339  
<https://www.sciencedirect.com/science/article/pii/S1381117710002511>

**A chemoenzymatic synthesis of deoxy sugar esters involving stereoselective acetylation of hemiacetals catalyzed by CALB**  
**Villo, Ly; Kreen, Malle; Metsala, Andrus; Tamp, Sven; Lille, Ülo; Pehk, Tõnis; Parve, Omar; Kudrjašova, Marina** Journal of molecular catalysis B : enzymatic 2011 / p. 44-51 <https://www.sciencedirect.com/science/article/abs/pii/S1381117710002511>

**Computational study of cesium cation interactions with neutral and anionic compounds related to soil organic matter**  
**Burk, Peeter; Tammiku-Taul, Jaana; Tamp, Sven; Sikk, Lauri; Sillar, Kaido; Mayeux, Charly; Gal, Jean-Francois; Maria, Pierre-Charles** Journal of physical chemistry A 2009 / 40, p. 10734-10744 : ill

**DFT study of the cesium cation containing complexes relevant to the cesium cation binding by the humic acids = DFT arvutus Cs katiooni interaktsioonidest humiinühenditega orgaaniliste mudelühendite baasil**  
**Tamp, Sven** 2007 [https://www.ester.ee/record=b2269605\\*est](https://www.ester.ee/record=b2269605*est)

**Extending traditional area of lipases' application for prostanoid and hemiacetal chemistry**  
**Parve, Omar; Metsala, Andrus; Tamp, Sven; Villo, Ly** BIT's 1st Annual World Congress of Catalytic Asymmetric Synthesis : Beijing, China, 19.-21.05.2010 2010

**O-alkylation of hydroxycarboxylic acids with (-)-menthyl bromoacetate affords bridged diastereomeric esters**  
**Veskilt, Eva; Tamp, Sven; Parve, Jaan; Vares, Lauri; Pehk, Tõnis; Villo, Ly; Parve, Omar** BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 194

**Prediction and assignment of coupling constants of diastereomeric cyclopentane derivatives**

**Aav, Riina; Pehk, Tõnis; Tamp, Sven; Tamm, Toomas; Kudrjašova, Marina; Parve, Omar; Lopp, Margus** Program and abstracts : BOS 2010 International Conference on Organic Synthesis : Riga, Latvia, June 27-30, 2010 2010 / p. 47

**Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC**

**Doyle, Eva; Parve, Jaan; Kudrjašova, Marina; Tamp, Sven; Müürisepp, Aleksander-Mati; Villo, Ly; Vares, Lauri; Pehk, Tõnis; Parve, Omar** Chirality 2013 / p. 793-798 : ill <https://doi.org/10.1002/chir.22217> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A synthesis of deoxy sugar esters. Stereoselective acetylation of hemiacetals by CALB**

**Villo, Ly; Metsala, Andrus; Tamp, Sven; Pehk, Tõnis; Parve, Omar** Biotrans 2011 : Itaalia, Giardini Naxos, 02.-05.10.2011 2011

**Theoretical prediction and assignment of vicinal  $^1\text{H}$ - $^1\text{H}$  coupling constants of diastereomeric 3-alkoxy-6,7-epoxy-2-oxabicyclo[3.3.0]octanes**

**Aav, Riina; Pehk, Tõnis; Tamp, Sven; Tamm, Toomas; Kudrjašova, Marina; Parve, Omar; Lopp, Margus** Magnetic resonance in chemistry 2011 / p. 76-82 : ill <https://analyticalsciencejournals.onlinelibrary.wiley.com/doi/full/10.1002/mrc.2712>

**Thermomyces lanuginosus lipase with closed lid catalyzes elimination of acetic acid from 11-acetyl-prostaglandin E2**

**Villo, Ly; Metsala, Andrus; Tamp, Sven; Parve, Jaan; Vallikivi, Imre; Järving, Ivar; Nigulas, Samel; Lille, Ülo; Pehk, Tõnis; Parve, Omar** ChemCatChem 2014 / p. 1998-2010 : ill <https://doi.org/10.1002/cctc.201400019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)