

**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](#)

**Asymmetric synthesis of the 2,2,3-trisubstituted cyclopentanone, D-ring fragment of 9,11-secoosterols**

**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](#)

**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

**13C- and 15N-labeling of amyloid-β and inhibitory peptides to study their interaction via nanoscale infrared spectroscopy**

Paul, Suman; Jenišťová, Adéla; Vosough, Faraz; **Berntsson, Elina**; Mörmann, Cecilia; Jarvet, Jüri; Gräslund, Astrid; Wärmländer, Sebastian K.T.S.; Barth, Andreas Communications Chemistry 2023 / art. 163 <https://doi.org/10.1038/s42004-023-00955-w> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Characterization of the antioxidative activity of novel nontoxic neuropeptides by using capillary electrophoresis**

**Vaher, Merike**; Viirlaid, Säde; Ehrlich, Kersti; Mahlapuu, Riina; Jarvet, Jüri; Soomets, Urel; **Kaljurand, Mihkel** Electrophoresis 2006 / 13, p. 2582-2589 : ill

**Characterization of Uranyl (UO<sub>2</sub><sup>2+</sup>) ion binding to Amyloid Beta (Aβ) peptides : effects on Aβ structure and aggregation**

**Berntsson, Elina**; Vosough, Faraz; **Noormägi, Andra**; Padari, Kärt; Asplund, Fanny; Gielnik, Maciej; Paul, Suman; Jarvet, Jüri; **Tõugu, Vello**; **Palumaa, Peep** ACS chemical neuroscience 2023 / p. 2618-2633 : ill <https://doi.org/10.1021/acscchemneuro.3c00130> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Lithium ions display weak interaction with amyloid-beta (Aβ) peptides and have minor effects on their aggregation**

**Berntsson, Elina**; Paul, Suman; Vosough, Faraz; Sholts, Sabrina B.; Jarvet, Jüri; Roos, Per M.; Barth, Andreas; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Acta biochimica Polonica 2021 / p. 169-179 [https://doi.org/10.18388/abp.2020\\_5493](https://doi.org/10.18388/abp.2020_5493) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Maximum entropy reconstruction of joint [phi], [psi]-distribution with a coil-library prior : the backbone conformation of the peptide hormone motilin in aqueous solution from [phi] and [psi]-dependent J-couplings**

Massad, Tariq; Jarvet, Jüri; Tanner, Risto; **Tomson, Katrin**; **Smirnova, Julia**; **Palumaa, Peep**; Sugai, Mariko; Kohno, Toshiyuki; **Vanatalu, Kalju**; Damberg, Peter Journal of biomolecular NMR 2007 / 2, p. 107-123 [https://www.researchgate.net/publication/6369716\\_Maximum\\_entropy\\_reconstruction\\_of\\_joint\\_phi-psi-distribution\\_with\\_a\\_coil-library\\_prior\\_The\\_backbone\\_conformation\\_of\\_the\\_peptide\\_hormone\\_motilin\\_in\\_aqueous\\_solution\\_from\\_phi\\_and\\_psi-dependent\\_J-couplings](https://www.researchgate.net/publication/6369716_Maximum_entropy_reconstruction_of_joint_phi-psi-distribution_with_a_coil-library_prior_The_backbone_conformation_of_the_peptide_hormone_motilin_in_aqueous_solution_from_phi_and_psi-dependent_J-couplings)

**Mercury ion binding to apolipoprotein E variants ApoE2, ApoE3, and ApoE4 : similar binding affinities but different structure induction effects**

**Berntsson, Elina**; **Sardis, Merlin**; **Noormägi, Andra**; Jarvet, Jüri; Roos, Per M.; **Tõugu, Vello**; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. ACS omega 2022 / p. 28924-28931 <https://doi.org/10.1021/acsomega.2c02254> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Residue-specific binding of Ni(II) ions influences the structure and aggregation of amyloid beta (Aβ) peptides**

**Berntsson, Elina**; Vosough, Faraz; Svantesson, Teodor; Pansieri, Jonathan; Iashchishyn, Igor A.; Ostojić, Lucija; Dong, Xiaolin; Paul, Suman; Jarvet, Jüri; Roos, Per M.; Gräslund, Astrid; Wärmländer, Sebastian K.T.S. Scientific Reports 2023 / art. 3341 <https://doi.org/10.1038/s41598-023-29901-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Shortfall of B3LYP in reproducing NMR JCH couplings in some isomeric epoxy structures with strong stereoelectronic effects : a benchmark study on DFT functionals**

**Adamson, Jasper**; Nazarski, Ryszard B.; Jarvet, Jüri; Pehk, Tõnis; Aav, Riina ChemPhysChem 2018 / p. 631-642 : ill <https://doi.org/10.1002/cphc.201701125> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**The repressor domain of Gli3, a transcription factor of Hedgehog signaling pathway, is intrinsically disordered**

**Tsanev, Robert**; Tanner, Risto; Jarvet, Jüri; **Osterlund, Torben**; **Vanatalu, Kalju**; **Kogerman, Priit** VIII European Symposium of the Protein Society : Zurich, June 14-18, 2009 2009 / ? p

**The transcriptional repressor domain of Gli3 is intrinsically disordered**

**Tsanev, Robert**; **Vanatalu, Kalju**; Jarvet, Jüri; Tanner, Risto; Laur, Kristi; **Tiigimägi, Piret**; Kragelund, Birthe B.; Østerlund, Torben; **Kogerman, Priit** PLoS ONE 2013 / art. e76972 <https://doi.org/10.1371/journal.pone.0076972> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)