

Benchmarking computational methods and influence of guest conformation on chirogenesis in zinc porphyrin complexes

Osadchuk, Irina; Borovkov, Victor; Aav, Riina; Clot, Eric Physical chemistry chemical physics 2020 / p. 11025–11037
<https://doi.org/10.1039/D0CP00965B> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Chirality induction and self-assembly of metallo-porphyrins by chiral cyclohexanohemicucurbiturils

Aav, Riina Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts 2022 / p. 9
http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf

Controlling chirogenic effects in porphyrin based supramolecular systems: theoretical analysis versus experimental observations

Osadchuk, Irina; Luts, Hanna-Eliisa; Zahharova, Aleksandra; Tamm, Toomas; Borovkov, Victor ChemPhysChem 2024 / art. e202400104 <https://doi.org/10.1002/cphc.202400104>

ECD spectra of porphyrin complexes using TD-DFT

Osadchuk, Irina EUCMOS2023 : Abstract book 2023 / p. 42
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Host-guest complexes of 2-aminocyclohexyl thioureas and zinc porphyrins: chiroptic properties and binding mechanism

Konrad, Nele; Meniailava, Darya; Osadchuk, Irina; Aav, Riina; Borovkov, Victor; Kananovich, Dzmitry GSFMT Scientific Conference 2020 : Tallinn, February 4-5, 2020 : abstracts 2020 / p. 44 <http://fntdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf>

Importance of molecular symmetry for enantiomeric excess recognition by NMR

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Induced circular dichroism in zinc porphyrin complexes

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Mechanochemical synthesis of new mono-functionalized cyclohexanohemicucurbit[8]uril

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Porphyrin-based (chir)optical sensing of amino-functionalized thiourea organocatalysts

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Supramolecular chirogenesis in porphyrin chemistry : Recent developments and further prospects

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Supramolecular chirogenesis in zinc porphyrins by enantiopure hemicucurbit[n]urils (n = 6, 8)

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Supramolecular chirogenesis in zinc porphyrins: complexation with enantiopure thiourea derivatives, binding studies and chirality transfer mechanism

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Synthesis of oxacalix[4]arene derivatives

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Tsinkporfüriinide ja Takemoto katalüsaatori võõrustaja-külaline supramolekulaarse kompleksi uurimine spektroskoopiliselt ja arvutuslikult

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Unusual defect-related room-temperature emission from WS₂ monolayers synthesized through a potassium-based precursor

