

### **An efficient method for long term configurational stabilization of chiral tricyclic dipeptide via heterocomplexation approach**

Hu, Xiaoyun; Yin, Zhongyou; Guo, Jianxin; **Borovkov, Victor**; Shan, Zixing ChemistrySelect 2019 / p. 3210-3213  
<https://doi.org/10.1002/slct.201900099>

### **Binding between cyclohexanohemicucurbit[n]urils and polar organic guests**

**Ustrnul, Lukas**; Burankova, Tatsiana; Öeren, Mario; **Juhhimenko, Kristina**; Ilmarinen, Jenni; Siilak, Kristjan; Mishra, Kamini **Atindrakumar**; **Aav, Riina** Frontiers in chemistry 2021 / art. 701028 <https://doi.org/10.3389/fchem.2021.701028> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Porphyrin-based hybrid nanohelices : cooperative effect between molecular and supramolecular chirality on amplified optical activity**

Anfar, Zakaria; Kuppan, Balamurugan; Scalabre, Antoine; Nag, Rahul; Pouget, Emilie; Nlate, Sylvain; Magna, Gabriele; Di Filippo, Ilaria; Monti, Donato; Naitana, Mario L.; Stefanelli, Manuela; **Nikonovich, Tatsiana**; **Borovkov, Victor**; **Aav, Riina**; Paolesse, Roberto; Oda, Reiko The journal of physical chemistry B 2024 / p. 1550-1556 <https://doi.org/10.1021/acs.jpcc.3c07153> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Porphyrinoid based supramolecular probes for chirality sensing**

**Borovkov, Victor**; Gathergood, Nicholas Symmetry : culture and science 2017 / p. 175-178 : ill <http://journal-scs.symmetry.hu/content-pages/volume-28-number-2-pages-161-240-2017/>

### **Self-assembly of chiral cyclohexanohemicucurbit[n]urils with bis(Zn porphyrin): size, shape, and time-dependent binding**

**Šakarašvili, Marko**; **Ustrnul, Lukas**; Suut, Elina; Nallaparaju, Jagadeesh Varma; Mishra, Kamini **Atindrakumar**; Konrad, Nele; Adamson, Jasper; **Borovkov, Victor**; **Aav, Riina** Molecules 2022 / art. 937, 13 p. : ill <https://doi.org/10.3390/molecules27030937> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Supramolecular Chirogenesis in bis-porphyrin: crystallographic structure and CD spectra for a complex with a chiral guanidine derivative**

**Osadchuk, Irina**; **Konrad, Nele**; Truong, Khai-Nghi; Rissanen, Kari; Clot, Eric; **Aav, Riina**; **Kananovich, Dzmitry**; **Borovkov, Victor** Symmetry 2021 / 14 p. : ill <https://doi.org/10.3390/sym13020275> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**Osadchuk, Irina**; **Konrad, Nele**; Truong, Khai-Nghi; **Aav, Riina**; **Kananovich, Dzmitry**; **Borovkov, Victor** Chiral Auxiliaries and Chirogenesis II 2021 / p. 83-96 <https://doi.org/10.3390/sym13020275> <https://doi.org/10.3390/books978-3-0365-1155-9>

### **Supramolecular chirogenesis in chemical and related sciences : editorial**

Sun, Yue; **Aav, Riina**; **Borovkov, Victor** Frontiers in chemistry 2021 / art. 679332 <https://doi.org/10.3389/fchem.2021.679332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Suprastars of chemistry : editorial**

Xiao, Tangxin; James, Tony D.; **Borovkov, Victor**; Castellano, Ronald K.; Deng, Chao Frontiers in Chemistry 2022 / art. 932508 <https://doi.org/10.3389/fchem.2022.932508> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Theoretical rationalization of chirality sensors on the basis of mono- and bis-porphyrins : abstract**

**Osadchuk, Irina** Proceedings of the CSAC2021 : 1st International Electronic Conference on Chemical Sensors and Analytical Chemistry, 1–15 July 2021, MDPI: Basel, Switzerland : online 2021 / 1 p <https://doi.org/10.3390/CSAC2021-10550>

### **Thiourea organocatalysts as emerging chiral pollutants : en route to porphyrin-based (chir)optical sensing**

**Konrad, Nele**; Horetski, Matvey; Sihtmäe, Mariliis; **Osadchuk, Irina**; Senge, Mathias O.; **Borovkov, Victor**; **Aav, Riina**; **Kananovich, Dzmitry** Chemosensors 2021 / art. 278 <https://doi.org/10.3390/chemosensors9100278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)