A universality of ethane-bridged bis-porphyrin structural motif for effective supramolecular chirogenesis, sensor development, and light harvesting systems
Borovkov, Victor The UGC-SAP Sponsored International Conference on New Horizons in Synthetic and Materials Chemistry (ICSMC-2015) : Mumbai, India, November 26-28, 2015 : abstract book 2015 / p. 8

Aerobic cascade oxidation of substituted cyclopentane-1, 2-diones using metalloporphyrin catalysts [Online resource]
Oja, Karolin; **Borovkov, Victor**; **Kananovich, Dzmitry**; **Järving, Ivar**; **Lopp, Margus** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

Aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts
Maljutenko, Karolin; **Borovkov, Victor**; **Kananovich, Dzmitry**; **Järving, Ivar**; **Lopp, Margus** Tetrahedron 2018 / p. 661−664 : ill https://doi.org/10.1016/j.tet.2017.12.009 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Aerobic oxidations in asymmetric synthesis : catalytic strategies and recent developments
Kananovich, Dzmitry; **Elek, Gabor Zoltan**; **Lopp, Margus**; **Borovkov, Victor** Frontiers in chemistry 2021 / art. 614944 https://doi.org/10.3389/fchem.2021.614944 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

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

Application of ethane-bridged bis-porphyrin structural motif for effective supramolecular chirogenesis, sensor development, and light harvesting systems
Borovkov, Victor; **Gathergood, Nicholas** 229th ECS Meeting : May 29 - June 2, 2016, San Diego, CA : abstract book 2016 / art. 836

Application of octaethylporphyrin structural motif for supramolecular chirogenesis
Borovkov, Victor; **Gathergood, Nicholas** Eighth [i.e. Ninth] International Conference on Porphyrins and Phthalocyanines (ICPP-9) : July 3-8, 2016, Nanjing, China 2016 / p. 33 http://www.icpp-spp.org/icpp9/BOOKofABSTRACTS.pdf

Application of octaethylporphyrin structural motif for supramolecular chirogenesis
Borovkov, Victor 227th ECS Meeting : May 24-28, 2015, Chicago, Illinois, USA : [abstracts] 2015 / p. 946 https://ecs.confex.com/ecs/227/webprogram/Paper49194.html

Asymmetric Biginelli-like reaction catalyzed by chiral TADDOL-derived phosphoric acid bearing two hydroxyl groups
Guo, Jianxin; Zhang, Rui; Yin, Zhongyou; Hu, Xiaoyun; **Borovkov, Victor** The 23rd International Electronic Conference on Synthetic Organic Chemistry15 nov 2019 - 15 dec 2019 2019 / 8 p. : ill https://doi.org/10.3390/ecsoc-23-06647

Asymmetric synthesis of 2-amino-8-oxo-9,10-epoxydeacnoic acid via cyclopropane cleavage strategy [Online resource]
Elek, Gabor Zoltan; **Koppel, Kaur**; **Borovkov, Victor**; **Lopp, Margus**; **Kananovich, Dzmitry** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märtsil 2018, Tallinn : teesid] GSFMT Scientific Conference 2018 : Tallinn, March 7-8, 2018 : abstracts 2018 / 1 p http://fmtdk.ut.ee/teesid-2018/

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

Benzyne-mediated nonconcerted pathway toward synthesis of sterically crowded [5]- and [7]oxahelicenoids, stereochemical and theoretical studies, and optical resolution of helicenoids
Gawade, Prashant M.; Khose, Vaibhav N.; Badani, Purav M.; **Kaabel, Sandra**; **Borovkov, Victor** Journal of organic chemistry 2019 / p. 860-868 : ill https://doi.org/10.1021/acs.joc.8b02507 Journal metrics at Scopous Article at Scopus Journal metrics at WOS Article at WOS

Book review of "Lanthanide metal-organic frameworks"
Borovkov, Victor Frontiers in chemistry 2015 / p. 1-2 : ill http://dx.doi.org/10.3389/fchem.2015.00050

Chiral Auxiliaries and Chirogenesis
2021 https://doi.org/10.3390/books978-3-0365-1017-0

Chiral Auxiliaries and Chirogenesis II
2021 https://doi.org/10.3390/books978-3-0365-1155-9

Chiral auxiliaries and chirogenesis ii
Symmetry 2021 / art. 1157 https://doi.org/10.3390/sym13071157 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chiral heterocycle-based receptors for enantioselective recognition
Khose, Vaibhav N.; John, Marina E.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Chiral Auxiliaries and Chirogenesis 2021 / p. 27-101 https://doi.org/10.3390/books978-3-0365-1017-0 https://doi.org/10.3390/sym10020034

Chiral heterocycle-based receptors for enantioselective recognition
Khose, Vaibhav N.; John, Marina E.; Pandey, Anita D.; **Borovkov, Victor**; Karnik, Anil V. Symmetry 2018 / 75 p : ill https://doi.org/10.3390/sym10020034 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Chiral recognition by supramolecular porphyrin-hemicucurbit[8]uril-functionalized gravimetric sensors
Magna, Gabriele; **Šakarašvili, Marko**; Stefanelli, Manuela; Giancane, Gabriele; Bettini, Simona; Valli, Ludovico; **Ustrnul, Lukas**; **Borovkov, Victor**; **Aav, Riina**; Monti, Donato; Di Natale, Corrado; Paolesse, Roberto ACS applied materials and interfaces 2023 / p. 30674−30683 https://doi.org/10.1021/acsami.3c05177

Chirogenesis in Chemical Science
2023 https://doi.org/10.1142/12915

Chirogenesis in supramolecular systems
Ustrnul, Lukas; **Borovkov, Victor**; **Aav, Riina** Chirogenesis in Chemical Science 2023 / p. 69-123 https://doi.org/10.1142/9789811259227_0002

Chirogenesis in supramolecular systems
Kanagaraj, Kuppusamy; Yang, Cheng; **Borovkov, Victor** Fundamentals of supramolecular chirality 2021 / p. 85-147 https://doi.org/10.1142/9781800610255_0004

Chirogenesis in supramolecular systems on the basis of porphyrinoids
Borovkov, Victor Proceedings : 2018, Symmetry 2017 ; vol. 2 2018 / p. 83 https://doi.org/10.3390/proceedings2010083

Chirogenesis in Zinc porphyrins : theoretical evaluation of electronic transitions, controlling structural factors and axial ligation
Osadchuk, Irina; **Aav, Riina**; **Borovkov, Victor**; Clot, Eric ChemPhysChem 2021 / p. 1817−1833 : ill https://doi.org/10.1002/cphc.202100345 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Conformational switching of ethano-bridged Cu,H_2-bis-porphyrin induced by aromatic amines
Bettini, Simona; Maglie, Emanuela; Pagano, Rosanna; **Borovkov, Victor** Beilstein journal of nanotechnology 2015 / p. 2154-2160 : ill http://dx.doi.org/10.3762/bjnano.6.221

Direct asymmetric three-component Mannich reaction catalyzed by chiral counteranion-assisted silver
Yin, Zhongyou; Guo, Jianxin; Zhang, Rui; **Borovkov, Victor** The journal of organic chemistry 2020 / p. 10369−10377 : ill https://doi.org/10.1021/acs.joc.0c00031

Directional Approach to Enantiomerically Enriched Functionalized [7]Oxa-helicenoids and Groove-Based Selective Cyanide Sensing
Khose, Vaibhav N.; Hasan, Mohammed; Khot, Sushil C.; Mobin, Shaikh M.; **Borovkov, Victor**; Karnik, Anil V. Journal of organic chemistry 2019 / p. 1847−1860 : ill https://doi.org/10.1021/acs.joc.9b02100

Editorial : Stimuli-responsive emissive organic and metal-organic compounds
Chen, Zhao; Deng, Dian-Dian; **Aav, Riina**; **Borovkov, Victor**; Sun, Yue Frontiers in chemistry 2022 / art. 946617 https://doi.org/10.3389/fchem.2022.946617 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Efficient synthesis of novel quinolinone derivatives via catalyst-free multicomponent reaction
Du, Rui; Han, Liangliang; Zhou, Zhongqiang; **Borovkov, Victor** Letters in organic chemistry 2020 / p. 403−407 http://doi.org/10.2174/1570178616666190828092728

Enantio-differentiating hydrogenation of alkyl 3-oxobutanoates over tartaric acid-modified Ni catalyst: Enthalpy-entropy compensation effect as a tool for elucidating mechanistic features
Osawa, Tsutomu; Wakasugi, Masahiro; Kizawa, Tomoko; **Borovkov, Victor**; Inoue, Yoshihisa Molecular catalysis 2018 / p. 131-136 : ill https://doi.org/10.1016/j.mcat.2018.02.023 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Enantioselective one-pot synthesis of α,β-epoxy ketones via aerobic oxidation of cyclopropanols
Elek, Gabor Zoltan; **Borovkov, Victor**; **Lopp, Margus**; **Kananovich, Dzmitry** Organic letters 2017 / p. 3544-3547 : ill http://dx.doi.org/10.1021/acs.orglett.7b01519

Enantioselective synthesis of epoxyketones via aerobic oxidation of cyclopropanols
Elek, Gabor Zoltan; **Borovkov, Victor**; **Lopp, Margus**; **Kananovich, Dzmitry** Open Readings 2017 : 60th International Conference for Students of Physics and Natural Sciences, March 14-17, 2017, Vilnius, Lithuania : programme and abstracts 2017 / p. 140 : ill http://www.openreadings.eu/wp-content/uploads/2017/03/OR2017_abstracts_book.pdf

Enhanced sensing properties of cobalt bis-porphyrin derivative thin films by a magneto-plasmonic-opto-chemical sensor
Colombelli, A.; Manera, Maria Grazia; **Borovkov, Victor**; Giancane, Gabriele Sensors and actuators B : chemical 2017 / p. 1039-1048 : ill https://doi.org/10.1016/j.snb.2017.01.192

Ethane-bridged bisporphyrin conformational changes as an effective analytical tool for nonenzymatic detection of urea in the physiological range
Buccolieri, Alessandro; **Hasan, Mohammed**; Bettini, Simona; **Borovkov, Victor** Analytical chemistry 2018 / p. 6952-6958 : ill https://doi.org/10.1021/acs.analchem.8b01230 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Ethane-bridged bis-porphyrin structural motif for effective supramolecular chirogenesis, sensor development, and light harvesting
Borovkov, Victor The International Conference on Polymers and Advanced Materials (POLYMAT-2015) : Huatulco, Mexico, October 18-22, 2015 : abstracts book 2015 / p. 9-10

Facile and environmentally benign aerobic cascade oxidation of substituted cyclopentane-1,2-diones using metalloporphyrin catalysts [Online resource]
Maljutenko, Karolin; **Borovkov, Victor**; **Kananovich, Dzmitry**; **Lopp, Margus** Tartu Ülikooli ASTRA projekt PER ASPERA : Funktsionaalsed materjalid ja tehnoloogiad : [7-8 märts 2017, Tartu : teesid] 2017 / [1] p. : ill http://fmtdk.ut.ee/teesid/

Helicene-based chiral auxiliaries and chirogenesis
Hasan, Mohammed; **Borovkov, Victor** Symmetry 2018 / 48 p. : ill https://doi.org/10.3390/sym10010010 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Helicene-Based Chiral Auxiliaries and Chirogenesis
Hasan, Mohammed; **Borovkov, Victor** Chiral Auxiliaries and Chirogenesis 2021 / p. 103-150 https://doi.org/10.3390/books978-3-0365-1017-0 https://doi.org/10.3390/sym10010010

Hemicucurbituril complexes with Porphyrins - chirality induction and sensing
Ustrnul, Lukas; **Šakarašvili, Marko**; **Konrad, Nele**; **Borovkov, Victor**; **Aav, Riina** Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts 2022 / p. 318 http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf

Heterocomponent ternary supramolecular complexes of porphyrins : a review
Prigorchenko, Elena; **Ustrnul, Lukas**; **Borovkov, Victor**; **Aav, Riina** Porphyrin Science by Women. Volume 3: Materials, Sensors, Energy and Catalysis 2021 / p. 816-833 https://doi.org/10.1142/9789811223556_0071

Heterocomponent ternary supramolecular complexes of porphyrins: a review
Prigorchenko, Elena; **Ustrnul, Lukas**; **Borovkov, Victor**; **Aav, Riina** Journal of porphyrins and phthalocyanines 2019 / p. 1308-1325 : ill https://doi.org/10.1142/S108842461930026X Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Highly chemo- and regioselective synthesis and subsequent directional catalyst-free transformation of enantiopure bioxirane derivatives
Hu, Xiaoyun; Li, Kang; Guo, Jianxin; Wang, Cui; Ma, Ling; **Borovkov, Victor** Tetrahedron 2022 / art. 132763 https://doi.org/10.1016/j.tet.2022.132763 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Highly chemoselective solvent-free synthesis of 1,3,5-triaryl-1,5- diketones: crystallographic investigation and intramolecular weak bifurcated H bonds involving aliphatic C-H group
Yin, Zhongyou; Xiong, Changkun; Guo, Jianxin; **Borovkov, Victor** Synlett 2019 / p. 2143−2147 https://doi.org/10.1055/s-0039-1690224

Highly sensitive conformational switching of ethane-bridged mono-zinc bis-porphyrin as an application tool for rapid monitoring of aqueous ammonia and acetone
Buccolieri, Alessandro; Manno, D.; Serrano, Aida; Santino, A.; **Hasan, Mohammed**; **Borovkov, Victor**; Giancane, Gabriele Sensors and actuators B : chemical 2018 / p. 685-691 : ill https://doi.org/10.1016/j.snb.2017.11.021 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Host-guest complexes of 2-aminocyclohexyl thioureas andzinc 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://fmtdk.ut.ee/wp-content/uploads/2020/01/GSFMT2020.pdf

Importance of molecular symmetry for enantiomeric excess recognition by NMR
Norvaiša, Karolis; O'Brien, John E.; **Osadchuk, Irina**; Twamley, Brendan; **Borovkov, Victor**; Senge, Mathias O. Chemical

communications 2022 / p. 5423-5426 https://doi.org/10.1039/D2CC01319C Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

An insight on type I collagen from horse tendon for the manufacture of implantable devices
Salvatore, Luca; Gallo, Nunzia; Aiello, Antonella; Lunetti, Paola; Hasan, Mohammed; **Borovkov, Victor** International journal of biological macromolecules 2020 / p. 291-306 https://doi.org/10.1016/j.ijbiomac.2020.03.082

Magnetoplasmonic waves/HOMO-LUMO free π-electron transitions coupling in organic macrocycles and their effect in sensing applications
Manera, Maria Grazia; Giancane, Gabriele; **Borovkov, Victor** Chemosensors 2021 / art. 272
https://doi.org/10.3390/chemosensors9100272 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Medium viscosity effect on fluorescent properties of Sn(IV)-tetra(4-sulfonatophenyl)porphyrin complexes in buffer solutions
Mamardashvili, Galina; Maltceva, Olga; Lazovskiy, Dmitriy; Khodov, Ilja; **Borovkov, Victor** Journal of molecular liquids 2019 / p. 1047-1053 : ill https://doi.org/10.1016/j.molliq.2018.12.118

Mixed oxime-functionalized IL/16-s-16 Gemini surfactants system: physicochemical study and structural transitions in the presence of promethazine as a potential chiral pollutant
Pandya, Subhashree Jayesh; **Kapitanov, Illia**; **Borovkov, Victor**; Ghosh, Kallol K.; **Karpichev, Yevgen** Chemosensors 2022 / art. 46 https://doi.org/10.3390/chemosensors10020046 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Porphyrin-based (chir)optical sensing of amino-functionalized thiourea organocatalysts
Konrad, Nele; Horetski, Matvey; Sihtmäe, Mariliis; Osadchuk, Irina; Truong, Khai-Nghi; **Borovkov, Victor**; **Aav, Riina**; **Kananovich, Dzmitry** Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts 2022 / p. 393
http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf

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.jpcb.3c07153

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/

Preface
Borovkov, Victor; **Aav, Riina** Chirogenesis in Chemical Science 2023 / p. vii-xi https://doi.org/10.1142/9789811259227_fmatter

Preface to ”Chiral Auxiliaries and Chirogenesis”
Borovkov, Victor Chiral Auxiliaries and Chirogenesis 2021 / p. ix-xi https://doi.org/10.3390/books978-3-0365-1017-0

Preface to "Chiral Auxiliaries and Chirogenesis II"
Borovkov, Victor Chiral Auxiliaries and Chirogenesis II 2021 / p. IX-XI https://doi.org/10.3390/books978-3-0365-1155-9 Symmetry Special Issue: Chiral Auxiliaries and Chirogenesis II

A quinoline-appended cyclodextrin derivative as a highly selective receptor and colorimetric probe for nucleotides
Kanagaraj, K.; Xiao, C.; Rao, M.; Fan, C.; **Borovkov, Victor**; Cheng, G.; Zhou, D.; Zhong, Z.; Su, D.; Yu, X.; Yao, J.; Hao, T.; Wu, W.; Chruma, J.J.; Yang, C. iScience 2020 / art. 100927, 67 p. : ill https://doi.org/10.1016/j.isci.2020.100927

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

Spectroscopic study of (all-R,R)-cyclohexanohemicucurbit[8]uril and its host-guest supramolecular hexafluorophosphate complexes
Konrad, Nele; **Kananovich, Dzmitry**; **Aav, Riina**; **Borovkov, Victor** Proceedings : Symmetry 2017 ; vol. 2 2018 / p. 64
http://dx.doi.org/10.3390/proceedings2010064

Stereoselective Biginelli-like reaction catalyzed by a chiral phosphoric acid bearing two hydroxy groups
Hu, Xiaoyun; Guo, Jianxin; Wang, Cui; Zhang, Rui; **Borovkov, Victor** Beilstein journal of organic chemistry 2020 / p. 1875−1880
https://doi.org/10.3762/bjoc.16.155 Journal metrics at WOS Article at Scopus Journal metrics at WOS Article at WOS

Stereospecific synthesis of cyclic sulfite esters with sulfur-centered chirality via diastereoselective strategy and

intramolecular H-Bonding assistance
Hu, Xiaoyun; Yin, Zhongyou; Guo, Jianxin; Adamson, Jasper; Fujiki, Michiya; **Borovkov, Victor** Journal of Organic Chemistry 2021 / p. 379 - 387 https://doi.org/10.1021/acs.joc.0c02147 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Sui Generis helicene-based supramolecular chirogenic system : enantioselective sensing, solvent control, and application in chiral group transfer reaction
Hasan, Mohammed; Khose, Vaibhav N.; Mori, Takuzo; **Borovkov, Victor**; Karnik, Anil V. ACS omega 2017 / p. 592-598 : ill http://dx.doi.org/10.1021/acsomega.6b00522

Supramolecular chirogenesis in a sterically hindered Porphyrin : a critical theoretical analysis
Osadchuk, Irina; **Luts, Hanna-Eliisa**; Norvaiša, Karolis; **Borovkov, Victor**; Senge, Mathias O. Chemistry : a European journal 2023 https://doi.org/10.1002/chem.202301408

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

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; **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

Supramolecular chirogenesis in porphyrin chemistry : Recent developments and further prospects
Borovkov, Victor Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts 2022 / p. 30 http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf

Supramolecular chirogenesis in zinc porphyrins by enantiopure hemicucurbit[n]urils (n = 6, 8)
Ustrnul, Lukas; **Kaabel, Sandra**; Burankova, Tatsiana; **Martõnova, Jevgenia**; **Konrad, Nele**; **Borovkov, Victor**; **Aav, Riina** Chemical communications 2019 / p. 14434-14437 : ill https://doi.org/10.1039/c9cc07150d Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Supramolecular chirogenesis in zinc porphyrins by interaction with enantiopure hemicucurbiturils
Ustrnul, Lukas; **Kaabel, Sandra**; Burankova, Tatsiana; **Konrad, Nele**; **Borovkov, Victor**; **Aav, Riina** 14th International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC2019), June 2-6 2019, Lecce, Italy : book of abstracts 2019 / p. 489 https://sti.chem.polimi.it/ismsc2019/

Supramolecular chirogenesis in zinc porphyrins: complexation with enantiopure thiourea derivatives, binding studies and chirality transfer mechanism
Konrad, Nele; Meniailava, Darya; **Osadchuk, Irina**; Adamson, Jasper; **Hasan, Mohammed**; Clot, Eric; **Aav, Riina**; **Borovkov, Victor**; **Kananovich, Dzmitry** Journal of porphyrins and phthalocyanines 2020 https://doi.org/10.1142/S108842461950192X Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Suprastars of Chemistry
2022 https://doi.org/10.3389/978-2-88976-456-3

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

Symmetry : culture and science. Vol. 28, No. 2, Symmetry and asymmetry phenomena in chemical, green, and related sciences : a thematic issue
2017 http://journal-scs.symmetry.hu/content-pages/volume-28-number-2-pages-161-240-2017/

Symmetry and asymmetry phenomena in chemical, green, and related sciences
Borovkov, Victor; **Gathergood, Nicholas** Symmetry : culture and science 2017 / p. 165-166 http://journal-scs.symmetry.hu/content-pages/volume-28-number-2-pages-161-240-2017/

The intriguing story of bis-porphyrins in chemical sensors
Bettini, Simona; **Borovkov, Victor**; Giancane, Gabriele; Grover, Nikita; Mattern, Cornelia; Ottolini, Michela; Pagano, Rosanna; Senge, Mathias O.; Valli, Ludovico Twelfth International Conference on Porphyrins and Phthalocyanines : ICPP-12 : book of abstracts

2022 / p. 235 http://www.icpp-spp.org/img_icpp12/ICPP-12%20BOA.pdf

The role of the central metal ion of ethane-bridged bis-porphyrins in histidine sensing
Bettini, Simona; Pagano, Rosanna; **Borovkov, Victor**; Giancane, Gabriele; Valli, Ludovico Journal of colloid and interface science 2019 / p. 762-770 : ill https://doi.org/10.1016/j.jcis.2018.08.116

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