

**Analysis of GaAsBi growth regimes in high resolution with respect to As/Ga ratio using stationary MBE growth. /**

Puustinen, J.; Hilska, J.; Guina, M.

In: *Journal of Crystal Growth*, Vol. 511, 01.04.2019, p. 33-41.

Research output: Contribution to journal › Article › Scientific › peer-review

**A supramolecular approach to photoresponsive thermo/solvoplastic block copolymer elastomers. /** Wang, Xin; Vapaavuori, Jaana; Zhao, Yue; Bazuin, C. Geraldine.

In: *Macromolecules*, Vol. 47, No. 20, 28.10.2014, p. 7099-7108.

Research output: Contribution to journal › Article › Scientific › peer-review

**Benchmarking DFT methods with small basis sets for the calculation of halogen-bond strengths. /** Siiskonen, Antti; Priimägi, Arri.

In: *Journal of Molecular Modeling*, Vol. 23, No. 2, 50, 01.02.2017.

Research output: Contribution to journal › Article › Scientific › peer-review

**Effect of surfactant type and sonication energy on the electrical conductivity properties of nanocellulose-CNT nanocomposite films. /** Siljander, Sanna; Keinänen, Pasi; Rätty, Anna; Ramakrishnan, Karthik Ram; Tuukkanen, Sampo; Kunnari, Vesa; Harlin, Ali; Vuorinen, Jyrki; Kanerva, Mikko.

In: *International Journal of Molecular Sciences*, Vol. 19, No. 6, 1819, 20.06.2018.

Research output: Contribution to journal › Article › Scientific › peer-review

**Electronic and structural properties of Si<sub>10</sub> cluster. /** Rantala, Tapio T.; Jelski, Daniel A.; George, Thomas F.

In: *Journal of Cluster Science*, Vol. 1, No. 2, 06.1990, p. 189-200.

Research output: Contribution to journal › Article › Scientific › peer-review

**Epitaxial phases of high Bi content GaSbBi alloys. /** Hilska, Joonas; Koivusalo, Eero; Puustinen, Janne; Suomalainen, Soile; Guina, Mircea.

In: *Journal of Crystal Growth*, Vol. 516, 15.06.2019, p. 67-71.

Research output: Contribution to journal › Article › Scientific › peer-review

**Gloriosa superba Mediated Synthesis of Platinum and Palladium Nanoparticles for Induction of Apoptosis in Breast Cancer. /** Rokade, Shalaka S.; Joshi, Komal A.; Mahajan, Ketakee; Patil, Saniya; Tomar, Geetanjali; Dubal, Dnyanesh S.; Parihar, Vijay Singh; Kitture, Rohini; Bellare, Jayesh R.; Ghosh, Sougata.

In: *Bioinorganic Chemistry and Applications*, Vol. 2018, 4924186, 2018.

Research output: Contribution to journal › Article › Scientific › peer-review

**In Situ Photocontrol of Block Copolymer Morphology during Dip-Coating of Thin Films. /** Vapaavuori, Jaana; Grosrenaud, Josué; Pellerin, Christian; Bazuin, C. Geraldine.

In: *ACS Macro Letters*, Vol. 4, No. 10, 20.10.2015, p. 1158-1162.

Research output: Contribution to journal › Article › Scientific › peer-review

**Location of the Azobenzene moieties within the cross-linked liquid-crystalline polymers can dictate the direction of photoinduced bending. /** Priimägi, Arri; Shimamura, Aki; Kondo, Mizuho; Hiraoka, Tomohiro; Kubo, Shoichi; Mamiya, Jun Ichi; Kinoshita, Motoi; Ikeda, Tomiki; Shishido, Atsushi.

In: *ACS Macro Letters*, Vol. 1, No. 1, 2012, p. 96-99.

Research output: Contribution to journal › Article › Scientific › peer-review

**Photo-antimicrobial efficacy of zinc complexes of porphyrin and phthalocyanine activated by inexpensive consumer LED lamp. /** George, Lijo; Hiltunen, Arto; Santala, Ville; Efimov, Alexander.

In: *Journal of Inorganic Biochemistry*, Vol. 183, 01.06.2018, p. 94-100.

Research output: Contribution to journal › Article › Scientific › peer-review

**Photomechanical Energy Transfer to Photopassive Polymers through Hydrogen and Halogen Bonds. /** Vapaavuori, Jaana; Heikkinen, Ismo T S; Dichiarante, Valentina; Resnati, Giuseppe; Metrangolo, Pierangelo; Sabat, Ribal Georges; Bazuin, C. Geraldine; Priimägi, Arri; Pellerin, Christian.

In: *Macromolecules*, Vol. 48, No. 20, 27.10.2015, p. 7535-7542.

Research output: Contribution to journal › Article › Scientific › peer-review

**Polymer looping is controlled by macromolecular crowding, spatial confinement, and chain stiffness.** / Shin, Jaeoh; Cherstvy, Andrey G.; Metzler, Ralf.

In: ACS Macro Letters, Vol. 4, No. 2, 17.02.2015, p. 202-206.

Research output: Contribution to journal › Article › Scientific › peer-review

**Reversible photodoping of TiO<sub>2</sub> nanoparticles.** / Joost, Urmas; Sutka, Andris; Oja, Marek; Smits, Krisjanis; Doebelin, Nicola; Loot, Ardi; Järvekülg, Martin; Hirsimäki, Mika; Valden, Mika; Nommiste, Ergo.

In: Chemistry of Materials, Vol. 30, No. 24, 26.12.2018, p. 8968-8974.

Research output: Contribution to journal › Article › Scientific › peer-review

**Selenate removal in biofilm systems : Effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community.** / Tan, Lea Chua; Espinosa-Ortiz, Erika J.; Nancharaiah, Yarlagadda V.; van Hullebusch, Eric D.; Gerlach, Robin; Lens, Piet Nl.

In: Journal of Chemical Technology and Biotechnology, Vol. 93, No. 8, 08.2018, p. 2380-2389.

Research output: Contribution to journal › Article › Scientific › peer-review

**Stable carbon isotopic composition of peat columns, subsoil and vegetation on natural and forestry-drained boreal peatlands.** / Nykänen, Hannu; Mpamah, Promise A.; Rissanen, Antti J.

In: Isotopes in Environmental and Health Studies, Vol. 54, No. 6, 2018.

Research output: Contribution to journal › Article › Scientific › peer-review

**Structurally Controlled Dynamics in Azobenzene-Based Supramolecular Self-Assemblies in Solid State.** / Poutanen, Mikko; Ikkala, Olli; Priimägi, Arri.

In: Macromolecules, Vol. 49, No. 11, 14.06.2016, p. 4095-4101.

Research output: Contribution to journal › Article › Scientific › peer-review

**Synthesis, characterization and solid-state photoluminescence studies of six alkoxy phenylene ethynylene dinuclear palladium(II) rods.** / Figueira, João; Czardybon, Wojciech; Mesquita, José Carlos; Rodrigues, João; Lahoz, Fernando; Russo, Luca; Valkonen, Arto; Rissanen, Kari.

In: DALTON TRANSACTIONS, Vol. 44, No. 9, 07.03.2015, p. 4003-4015.

Research output: Contribution to journal › Article › Scientific › peer-review

**Synthesis, crystal structure, physico-chemical characterization and dielectric properties of a new hybrid material, 1-Ethylpiperazine-1,4-dium tetrachlorocadmate.** / Dhieb, A. C.; Valkonen, A.; Rzaigui, M.; Smirani, W.

In: Journal of Molecular Structure, Vol. 1102, 15.12.2015, p. 50-56.

Research output: Contribution to journal › Article › Scientific › peer-review

**Thermal Isomerization of Hydroxyazobenzenes as a Platform for Vapor Sensing.** / Poutanen, Mikko; Ahmed, Zafar; Rautkari, Lauri; Ikkala, Olli; Priimägi, Arri.

In: ACS Macro Letters, Vol. 7, No. 3, 20.03.2018, p. 381-386.

Research output: Contribution to journal › Article › Scientific › peer-review

**Unintentional boron contamination of MBE-grown GaInP/AlGaInP quantum wells.** / Tukiainen, Antti; Likonen, Jari; Toikkanen, Lauri; Leinonen, Tomi.

In: Journal of Crystal Growth, Vol. 425, 01.09.2015, p. 60-63.

Research output: Contribution to journal › Article › Scientific › peer-review

**Zinc coordination spheres in protein structures.** / Laitaoja, Mikko; Valjakka, Jarkko; Jänis, Janne.

In: Inorganic Chemistry, Vol. 52, No. 19, 07.10.2013, p. 10983-10991.

Research output: Contribution to journal › Article › Scientific › peer-review