

## Book Chapter:

Pradip K. Bhowmik, Anthony Chang, Jongin Kim, Erenz J. Dizon, Ronald Carlo G. Principe and Haesook Han. Thermotropic Liquid-Crystalline Properties of Viologens Containing 4-n-alkylbenzenesulfonates. In *Ionic Liquid Crystals*; G. Saielli, Ed.; MDPI: Switzerland, 2019; pp12-24. Reprinted from: *Crystals* **2019**, *9*, 77, doi:10.3390/cryst9020077.

## Refereed Publications:

Walter F. Paxton, Preston A. Humphries, Dallin D.V. Scott, Haesook Han and Pradip K. Bhowmik. Electrocatalytic Oxidation of Carbohydrates via Surface-Immobilized Viologen. *J. Electrochem. Soc.* **2021**, *168*, 104516.

Pradip K. Bhowmik, Jung J. Koh, David King, Haesook Han, Benoît Heinrich, Bertrand Donnio, Daniel Zaton and Alfonso Martinez-Felipe. Dicationic stilbazolium salts: structural, thermal, optical, and ionic conduction properties. *J. Mol. Liq.* **2021**, *341*, 117311.

Pradip K. Bhowmik, Tae. S. Jo, Jung. J. Koh, Jongwon Park, Bidyut. Biswas, Ronald C. G. Principe, Haesook. Han, Andrés F. Wacha and Matti Knaapila. Poly(pyridinium salt)s Containing 2,7-Diamino- 9,9'-dioctylfluorene Moieties with Various Organic Counterions Exhibiting Both Lyotropic Liquid-Crystalline and Light-Emitting Properties. *Molecules* **2021**, *26*, 1560.

Pradip K. Bhowmik, Omar Noori, Si L. Chen, Haesook Han, Michael R. Fisch, Christina M. Robb, Aaron Variyam and Alfonso Martinez-Felipe. Ionic liquid crystals: synthesis and characterization via NMR, DSC, POM, X-ray diffraction and ionic conductivity of asymmetric viologen bistriflimide salts. *J. Mol. Liq.* **2021**, *328*, 115370.

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Pradip K. Bhowmik, Anthony Chang, Jongin Kim, Erenz J. Dizon, Ronald C. Principe, and Haesook Han. Thermotropic liquid-crystalline properties of viologen containing 4-n-alkylbenzenesulfonates (Invited Article in Special Issue in Ionic Liquid Crystals). *Crystals* **2019**, *9*, 77.

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## Patents

P. K. Bhowmik, B. L. Spangelo, V. Vo, H. Han and O. Tanthmanatham. Pt(IV) Complexes Containing 4,4'-Disubstituted-2,2'-bipyridyl and Their Use in Cancer Therapy. U.S. Patent 10, 316, 050 B2, 2019.

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