

Refereed Publications

R. Jose, T. J. Patel, T. A. Cather, D. J. Willhelm, J. Grebowicz, H. Han, P. K. Bhowmik, L. Sharpnack, D. M. Agra-Kooijman, and S. Kumar. Thermotropic mesomorphism in catanionic surfactants synthesized from quaternary ammonium surfactants and sodium dodecylbenzenesulfonate: Effect of chain length and symmetry. *Colloids and Surfaces A: Physiochem. Eng. Aspects* **2014**, 461, 40-49.

P. K. Bhowmik, A. K. Nedeltchev, H. Han, T. S. Jo, J. J. Koh, L. Senthilkumar, and P. Umadevi. Photoactive amorphous molecular materials based on bisquinoline diamines and their synthesis by Friedländer condensation reaction. *J. Photochem. Photobiol. A: Chemistry* **2014**, 283, 45-55.

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V. Vo, O. Tanthmanatham, H. Han, P. K. Bhowmik, and B. L. Spangelo. Synthesis of [PtCl₂(4,4'-dialkoxy-2,2'-bipyridine)] complexes and their in vitro anticancer properties. *Metallomics* **2013**, 5, 973-987.

T. S. Jo, J. J. Koh, H. Han, and P. K. Bhowmik. Solution, thermal and optical properties of bis(pyridinium salt)s as ionic liquids. *Mater. Chem. Phys.* **2013**, 139, 901-910.

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T. S. Jo, A. K. Nedeltchev, B. Biswas, H. Han, and P. K. Bhowmik. Synthesis and characterization of poly(pyridinium salt)s derived from various aromatic diamines. *Polymer* **2012**, 53, 1063-1071.

A. K. Nedeltchev, H. Han, and P. K. Bhowmik. Design and synthesis of photoactive ionic amorphous molecular materials. *J. Mater. Chem.* **2011**, 21, 12717-12724.

T. S. Jo, H. Han, L. Ma, and P. K. Bhowmik. Dispersion of single-walled carbon nanotubes with poly(pyridinium salt)s. *Polymer Chemistry* **2011**, 2, 1953-1955 (Communication).

Alexi K. Nedeltchev, Haesook Han, Pradip K. Bhowmik, and Longzhou Ma. Solution, Thermal and Optical Properties of New Poly(pyridinium salt)s Derived From Conjugated Quinoline Diamines. *J. Polym. Sci. Part A: Polym. Chem.* **2011**, 49, 1907-1918 (Rapid Communications).

Patent

B. L. Spangelo, V. Vo, P. K. Bhowmik, O. Tanthmanatham and H. Han. Synthetic Procedure and Cancer Treatment with Cisplatin Derivatives. US Patent 8,703,756 B2, 2014.

Articles in Conference Proceedings

M. M. Alam, U. Sampathkumaran, K. Goswami, and P. K. Bhowmik. Durable and Nonflammable Crew Clothing Utilizing Phosphorous-based Fire-Retardant Materials. ICES-2014-043, 2327-2341, 44th International Conference on Environmental Systems, 13-17 July 2014, Tucson, Arizona.

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T. S. Jo, J. Koh, H. Han, P. K. Bhowmik, and L. Ma. Dispersions of Single-Walled Carbon Nanotubes with Rigid-Rod Poly(pyridinium salt)s. Polym. Prepr. (Am. Chem. Soc. Div. Polym. Chem.) **2011**, 52(2), 250-251.

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