

Book Chapters

2008

1. Lam, J. W. Y.; Xing, C.; Zhao, K.; Tang, B. Z. "Discotic Liquid Crystals: Synthesis and Mesomorphic Properties of Polyacetylenes Carrying Triphenylene Pendant Groups" In *Liquid Crystals XII*; Khoo, I., Ed.; Proceedings of SPIE, Volume 7050; SPIE–The International Society for Optical Engineering: Bellingham, WA, 2008, M500.
2. Chen, J.; Cao, Y.; Tang, B. Z. "Functional Silole-Containing Polymers" In *Macromolecules Containing Metal- and Metal-like Elements*; Abd-El-Aziz, A., Carraher, C., Pittman, C., Sheats, J., Zeldin, M., Eds.; Wiley: New York, 2008; Vol. x, Chapter x, pp xx–xx (*invited chapter*).
3. Häußler, M.; Tang, B. Z. "Hyperbranched π -Conjugated Polymers" In *Hyperbranched Polymers: Synthesis, Properties, and Applications*; Yan, D. Y., Gao, C., Frey, H., Eds.; Wiley: New York, 2008; Chapter 10, in press (*invited chapter*).
4. Tang, B. Z. "Biosensors Based on AIE Fluorophores" *Advances in Polymer Liquid Crystals and Supramolecular Ordered Structures*; Yang, B., Zhang, K., Eds.; Jilin University Press: Changchun, 2008, p 222.
5. Häußler, M.; Dong, H.; Tang, B. Z. "Hyperbranched Polymers Containing Transition Metals: Synthetic Pathways and Potential Applications" In *Inorganic and Organic Macromolecules: Design and Application*; Abd-El-Aziz, A., Pittman, C., Zeldin, M., Sheats, J., Carraher, C., Eds.; Springer: New York, 2008; Chapter 2, 21–35 (*invited chapter*).

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9. Qin, A.; Li, Z.; Lam, J. W. Y.; Tang, B. Z. "Linear and Nonlinear Optical Properties of Linear and Hyperbranched Conjugated Polymers" In *Linear and Nonlinear Optics of Organic Materials VI*; Norwood, R. A., Eich, M., Nunzi, J.-M. Ed.; Proceedings of SPIE, Volume 6331; SPIE–The International Society for Optical Engineering: Bellingham, WA, 2006, pp 633105-1–12 (*invited chapter*).
10. Lam, J. W. Y.; Häußler, M.; Dong, H.; Qin, A.; Tang, B. Z. "Synthesis of Hyperbranched Conjugative Polymers and Their Applications as Photoresist and Precursors for Magnetic Nanoceramics" In *Nanocrystalline Materials: Their Synthesis-Structure-Property*

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11. Häußler, M.; Lam, J. W. Y.; Dong, H.; Tong, H.; Tang, B. Z. “Hyperbranched Polyynes Containing Cobaltcarbonyls as Precursors to Nanostructured Magnetoceramics” In *Metal-Containing and Metallo-Supramolecular Polymers and Materials*; Newkome, G. R., Manners, I.; Schubert, U. S., Eds.; Oxford University Press: London, 2006; Chapter 18, pp 244–257 (*invited chapter*).

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13. Lam, J. W. Y.; Chen, J.; Tang, B. Z. “Silole-Containing Conjugated Polymers” In *Macromolecules Containing Metal- and Metal-like Elements*; Abd-El-Aziz, A., Carraher, C., Pittman, C., Sheats, J., Zeldin, M., Eds.; Wiley: New York, 2005; Vol. 4, Chapter 3, pp 37–49 (*invited chapter*).
14. Cheuk, K. K. L.;^a **Tang, B. Z.** “Synthesis and Tunable Chiroptical Properties of Amphiphilic Helical Polyacetylenes” In *Chromogenic Phenomena in Polymers: Tunable Optical Properties*; Jenekhe, S. A., Kiserow, D., Eds.; ACS Symposium Series 888; American Chemical Society: Washington, DC, 2005; Chapter 26, pp 340–358 (*invited chapter*).
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19. Cheuk, K. K. L.;^a Li, B.;^c Lam, J. W. Y.;^a Chen, J.;^b Bai, C.;^e **Tang, B. Z.** “Amphiphilic Conjugated Polymers with Tunable Chain Helicity and Organizational Morphology” In *Advanced Nanomaterials and Nanodevices*; Gao, H., Fuchs, H., Chen, D., Eds.; Institute of Physics Publishing Ltd: Philadelphia, PA, 2003; pp 87–107 (*invited paper*).
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