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Publications

PUBLICATIONS

- Design, Synthesis, and Polymerase-Catalyzed Incorporation of Click-Modified Boronic Acid-TTP Analogues CHEMISTRY-AN ASIAN JOURNAL
  2011; 6 (10): 2747-2752

- Synthetic Lectin Mimes Artificial Carbohydrate Receptors” in ”Carbohydrate Recognition: Biological Problems, Methods, and Applications WILEY-VCH; Ed.: Wang, B. and Boons, G-J.
  Yang X., Cheng Y., Wang, B.
  2011: 301-327

- Reversible Covalent Bond Toolbox” in ”Supramolecular Chemistry: from Molecules to Nanomaterials by WILEY-VCH; Ed.: Gale, P. and Steed, J.,
  Cheng Y., Peng, H., Wang, B.
  2011

- Carbohydrate Recognition by Boronolectins, Small Molecules, and Lectins MEDICINAL RESEARCH REVIEWS
  Jin, S., Cheng, Y., Reid, S., Li, M., Wang, B.
  2010; 30 (2): 171-257

- A Fluorescent Probe for Fast and Quantitative Detection of Hydrogen Sulfide in Blood ANGEWANDTE CHEMIE-INTERNATIONAL EDITION
  2011; 50 (41): 9672-9675

- Click Reactions and Boronic Acids: Applications, Issues, and Potential Solutions MOLECULES
  Dai, C., Cheng, Y., Cui, J., Wang, B.
  2010; 15 (8): 5768-5781

- Carbohydrate Recognition by Borolectins, Small Molecules, and Lectins MEDICINAL RESEARCH REVIEWS
  Jin, S., Cheng, Y., Reid, S., Li, M., Wang, B.
  2010; 30 (2): 171-257

- Synthesis and carbohydrate binding studies of fluorescent alpha-amidoboronic acids and the corresponding bishoronic acids BIOORGANIC & MEDICINAL CHEMISTRY
  Jin, S., Zhu, C., Cheng, Y., Li, M., Wang, B.
  2010; 18 (4): 1449-1455

- Boronic Acid-Based Chemosensors” in ”Artificial Receptors for Chemical Sensors by WILEY-VCH; Ed.: Mirsky, V.M. and Yatsimirsky, A.K.
  Yang X., Cheng Y., Jin S., Wang, B.
  2010: DOI: 10.1002/9783527

  Cheng, Y., Li, MY, Wang, SR, Peng, HJ, Reid, S, Ni, NT, Fang, H, Xu, WF, Wang, BH
  2010; 53 (1): 3-20
• A New Class of Fluorescent Boronic Acids That Have Extraordinarily High Affinities for Diols in Aqueous Solution at Physiological pH
  CHEMISTRY-A EUROPEAN JOURNAL
  Cheng, Y., Ni, N., Yang, W., Wang, B.
  2010; 16 (45): 13528-13538

• Synthesis and Evaluation of New Antagonists of Bacterial Quorum Sensing in Vibrio harveyi
  CHEMMEDCHEM
  Peng, H., Cheng, Y., Ni, N., Li, M., Choudhary, G., Chou, H. T., Lu, C., Tai, P. C., Wang, B.
  2009; 4 (9): 1457-1468

• Fluoride protects boronic acids in the copper(I)-mediated click reaction
  CHEMICAL COMMUNICATIONS
  Jin, S., Choudhary, G., Cheng, Y., Dai, C., Li, M., Wang, B.
  2009: 5251-5253

• [Synthesis and antitumor activity of arylsubstituted imidazolin-2-one derivatives].
  Yao xue xue bao = Acta pharmaceutica Sinica
  Cheng, Y., Hu, Y., He, Q.
  2005; 40 (8): 711-716

• Synthesis of Arylsubstituted Imidazolin-2-one Analogues
  Cheng Y., Hu Y.