

Tan Yee Seng

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Education:

Ph.D Chemistry, University of Malaya, Malaysia

BSc.(Hons) Chemistry, University Tunku Abdul Rahman, Malaysia

Brief Employment History:

University Tunku Abdul Rahman : Laboratory Assistant

University of Malaya: Research Assistant

Research Interests:

Crystal Engineering, Supramolecular Chemistry, Polymorphism, Coordination Chemistry, Co-Crystal, Solid State Chemistry, X-ray Crystallography

Selected Publications:

1. Tan, Y. S., Abdul Halim, S. T., Molloy, K. C., Sudlow, A. L., Otero-de-la-Roza A., Tiekink, E. R. T., CrystEngComm, Persistence of C–H··· π (chelate ring) interactions in the crystal structures of Pd(S₂COR)₂. The utility of Pd(S₂COR)₂ as precursors for palladium sulphide materials, Royal Society of Chemistry, 18, 1105-1117, 2016 DOI: 10.1039/C5CE02126J. (Inside Front cover)
2. Tan., Y. S., Abdul Halim., S. T., Tiekink, E. R. T., Zeitschrift für Kristallographi – Crystalline Materials, Exploring The Crystallization Landscape of Cadmium Bis(N-Hydroxyethyl, N-Isopropylidithiocarbamate), Cd[S₂CN(iPr)CH₂CH₂OH]₂, De Gruyter, 231, 113-126, 2016 DOI: 10.1515/zkri-2015-1889
3. Suresh, T., Vijayakumar, V., Jyothish, L., Sarveswari, S., Jotani, M. M., Otero-de-la-Roza, A., Tan, Y. S., Tiekink, E. R. T., Zeitschrift für Kristallographi – Crystalline Materials, Hydrogen Bonding in 2,6-bis(4-

- fluorophenyl)-3,5-dimethylpiperidin-4-one Methanol Solvate, De Gruyter, 231, 365-374, 2016 DOI: 10.1515/zkri-2015-1915.
4. Jotani, M. M., Tan, Y. S., Tiekink, E. R. T., Zeitschrift für Kristallographi – Crystalline Materials, Bis[bis(*N*-2-hydroxyethyl,*N*-isopropyl-dithiocarbamato)mercury(II)]₂: crystal structure and Hirshfeld surface analysis, De Gruyter, 231, 403-413, 2016 DOI: 10.1515/zkri-2016-1943. (Front Cover)
 5. Tan, Y. S., Ooi, K. K., Ang, K. P., Akim, A. Md., Cheah, Y.- K., Abdul Halim, S. N., Seng, H.- L., Tiekink, E. R. T., Journal of Inorganic Biochemistry, Molecular Mechanisms of Apoptosis And Cell Selectivity of Zinc Dithiocarbamates Functionalized with Hydroxyethyl Substituents, Elsevier, 150, 48-62, 2015 DOI: 10.1016/j.jinorgbio.2015.06.009.
 6. Tan., Y. S., Azizuddin, A. D., Câmpian, M. V., Haiduc, I., Tiekink, E. R. T., Zeitschrift für Kristallographi – Crystalline Materials, Serendipitous Compositional And Structural Diversity In Urotropine Adducts of binary Cadmium Xanthates, De Gruyter, 231, 155-165, 2016 DOI: 10.1515/zkri-2015-1899.
 7. Tan, Y. S., Sudlow, A. L. Molloy, K. C., Morishima, Y., Fujisawa, K., Jackson, W. J., Henderson, W. Abdul Halim, S. N., Ng, S. W., & Tiekink, E. R. T., Crystal Growth and Design, Supramolecular Isomerism In A Cadmium Bis(*N*-Hydroxyethyl, *N*-Isopropyl)dithiocarbamate) Compound: Physiochemical Characterization of Ball ($n = 2$) And Chain ($n = \infty$) Forms of $\{Cd[S_2CN(iPr)CH_2CH_2OH]_2\text{-solvent}\}_n$, American Chemical Society, 13 (7), 3046-3056, 2013 DOI: 10.1021/cd400453x.
 8. Tan, Y. S., The Significance of C-H $\cdots\pi$ (metalloaromatic) Interactions in Stabilising Crystal Structures, 42nd International Conference on Coordination Chemistry, Brest, France, July, 2016
 9. Tan, Y. S., Single Crystal to Single Crystal Transformation of Bis(*N*-Hydroxyethyl-*N*-IsopropylDithiocarbamato)Cadmium(II) Supramolecular Isomers, 7th Hope Meeting with Nobel Laureates, Tokyo, Japan, March, 2015
 10. Tan, Y. S., Morishima, Y., Fujisawa, K., Abdul Halim, S. N., Ng, S. W., Tiekink, E. R. T., Supramolecular Isomer Transformation of Bis(*N*-Hydroxyethyl-*N*-Isopropyl-Dithiocarbamato)Cadmium(II), 4th Asian Conference on Coordination Chemistry, Jeju, South Korea, November, 2013