
Dr.AMAL ALFAWAZ

Assistance professor
Organometallic chemistry
2015

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Skills

- Advanced chemical research
- Multi-step synthesis
- using XRD instrument
- Practiced in Infrared and NMR
- Fluent in [English]
- Experience in the safety of chemical plants

Accomplishments

Contributing author to the following articles:

1. Perfluoroaryl boryl complexes: synthesis, spectroscopic and structural characterisation of a complex containing the bis(pentafluorophenyl)boryl ligand.

S.Aldridge, A.Alfawaz, A.A.Dickinson, D.J.Willock, M.E.Light and M.B.Hursthouse, Chem. Communication., 2001, 1846-1847

2- Migratory insertion of $[B(C_6F_5)_2]$ into C-H bonds: CO promoted transfer of the boryl fragment.

S. Aldridge, D.L. Kays (née Coombs), A. Al-Fawaz, P.N. Horton, M.B Hursthouse, R.W. Harrington and W. Clegg. Chem. Commun., 2006, 2578-2580.

3- Reactivity of the bis(pentafluorophenyl)boranes $ClB(C_6F_5)_2$ and $[HB(C_6F_5)_2]_n$ towards late transition metal reagents.

A. Al-Fawaz, S. Aldridge, D.L. Coombs, A.A. Dickinson, D.J. Willock, L. Ooi, M.E. Light, S.J. Coles, and M.B. Hursthouse. Dalton Trans., 2004, 4030-4037.

4- Kinetic Analysis for Non-isothermal Decomposition of Unirradiated and -irradiated Indium Acetylacetonate R.M. Mahfouz, S.H.A. Al-Ahmari, A.M. Al-Fawaz, Z. A. AlOthman, I. Kh. Warad and M. R. H Siddiqui. Material Research. 2011, 7-10

5- Thermal kinetic parameters and evolved gas analysis (TG-FTIR-MS) for thiourea-formaldehyde based polymer metal complexes Saad M. Alshehri, Amal Al-Fawaz, and Tansir Ahamad. Journal of analytical and applied pyrolysis 101 (2013) 215-221.

*Poster presentation Inorganic Chemistry Conference Bath University UK 2002.

Professional Experience

- Maintained a teaching load of undergraduate and graduate courses each semester.
- Supervisor of masters' students
- Supervisor of the XRD instruments
- Maintained regularly-scheduled office hours to advise and assist students.
- Reviewed admissions folders for students admitted to the Master's degree program.
- Tested samples for various chemical analysis.
- Conducted both qualitative and quantitative analysis.

Education and Training

Ph.D.: chemistry
Wales University

2004
Cardiff, Wales, UK

*Master degree in organometallic chemistry, Cleveland University, OH, USA, 1999
(Synthetic and Structural Studies of Indium Trichloride Complexes).

* Bachelor degree in chemistry and education, collage of education and science, Girls
Collage of science and education.

* 40 hours training course on XRD instruments in Bruker AXS GmbH (Karlsruhe-
Germany)

Affiliations

*Visiting Lecturer in Bath University from 9th June 2014 to 9th September 2014.

*Participate in arbitration national Olympiad scientific creativity 2013 and 2014.

* attend the following conference:

- 48th General Assembly and 45th World Chemistry Congress (IUPAC-2015) hosted by the Korean Chemical Society to be held in Busan, Korea on August 9-14, 2015.
- XXV International Conference on Organometallic Chemistry (XXV ICOMC) in Lisbon, 2012.
- Attend first UAE conference on pure and applied chemistry (ECPA11) 2011.