**List of Publications 2017-18**

Boadi

# Boadi W.Y., and Lo A.: Effects of quercetin, kaempferol and exogenous glutathione on *phospho*- and *total-Akt* Levels in 3T3-L1 preadipocytes. J. Diet. Suppl.. Early Online: 1-13, 2018*.*

Karim

1. Dicyclopentamethylenethiuram Disulfide as Precursor of Mononuclear Complexes: Oxidative Cleavage of Metal-Metal Bond in [CpMo(CO)3]2 and Molecular Structure of *cis*-[CpMo(CO)2{S2C-N(CH2)5}]. [Md. Manzurul Karim](http://www.scirp.org/journal/articles.aspx?searchCode=Md.+Manzurul+Karim&searchField=authors&page=1), [Shafikul Islam](http://www.scirp.org/journal/articles.aspx?searchCode=Shafikul+Islam&searchField=authors&page=1), [Md. RafikulIslam](http://www.scirp.org/journal/articles.aspx?searchCode=Md.+RafikulIslam&searchField=authors&page=1), [Mohammad R. Karim](http://www.scirp.org/journal/articles.aspx?searchCode=Mohammad+R.+Karim&searchField=authors&page=1), [Tasneem A. Siddiquee](http://www.scirp.org/journal/articles.aspx?searchCode=Tasneem+A.+Siddiquee&searchField=authors&page=1). 2017, 6(4), 67-72. DOI: 10.4236/csta.2017.64006

2. H-Bonding plays a key role in the formation of stable hemiaminals. Md. Shafiqul Islam, Md. Razzak, Mohammad Karim, Aminul H. Mirza, Tetrahedron Letters, 2017, <http://dx.doi.org/10.1016/j.tetlet.2017.01.086>

Moore

1. Fu, Z; Xu, R; Moore, J.T.; Lang, F.; Nie, X.; Mo, J.; Xu, Y.; Xu, Q.; Yang, Z.; Lin, Z.; Fu, W. Highly Efficient Photocatalytic System Constructed from CoP/Carbon Nanotubes or Graphene for Visible-Light Driven CO2 Reduction. Chem. Eur. J. (<https://doi.org/10.1002/chem.201800335>

Phambu

1. Bashiyar Almarwani, Esther Nzuzi Phambu, Christopher Alexander, Aimee Ha Nguyen, **Nsoki Phambu**, and Anderson Sunda-Meya. Vesicles mimicking normal and cancer cell membranes exhibit differential responses to the cell-penetrating peptide Pep-1. BBA-Biomembranes. *BBA - Biomembranes* 1394–1402, **2018**
2. **Nsoki Phambu**, Bashiyar Almarwani, Amjad Alwadai, Esther N. Phambu, Natalie Faciane, Carmel Marion, and Anderson Sunda-Meya. Calorimetric and Spectroscopic Studies of the Effects of the Cell Penetrating Peptide Pep‑1 and the Antimicrobial Peptide Combi‑2 on Vesicles Mimicking Escherichia coli Membrane. *Langmuir* 33, 12908−12915, **2017.**
3. **Nsoki Phambu,** Bashiyar Almarwani, Arlette M. Garcia, Nafisa S. Hamza, Amira Muhsen, Jacqueline E. Baidoo, Anderson Sunda-Meya. Chain length effect on the structure and stability of antimicrobial peptides of the (RW)n series. *Biophysical Chemistry*, 227, 8-13, **2017.**

Siddiquee

### [Investigation on the reactivity of tetranuclear Group 7/8 mixed-metal clusters toward triphenylphosphine](https://www.sciencedirect.com/science/article/pii/S0277538718301104); Md. Rassel Moni, Md. JaduMia, ShishirGhosh, Derek A.Tocher, Shaikh M.Mobin, Tasneem A.Siddiquee, [Shariff E.Kabir](https://www.sciencedirect.com/science/article/pii/S0277538718301104" \l "!); Polyhedron, [Volume 146](https://www.sciencedirect.com/science/journal/02775387/146/supp/C), 15 May 2018, Pages 154-160.

* + - 1. List of Publications (Authors, Title, Journal, Year): Siddiquee, Tasneem; Goni, Abdul (2018): Effect of Hydrated Metal Salts on the Coordination Product of Cobalt(II) halide and PNP Type Ligand, 2,6-bis(di-tertbutylphosphinomethyl) pyridine. ChemRxiv.; [*https://doi.org/10.26434/chemrxiv.5851701.v1*](https://doi.org/10.26434/chemrxiv.5851701.v1)
      2. Dicyclopentamethylenethiuram Disulfide as Precursor of Mononuclear Complexes: Oxidative Cleavage of Metal-Metal Bond in [CpMo(CO)3]2 and Molecular Structure of cis- [CpMo(CO)2{S2C-N(CH2)5}]; Md. Manzurul Karim, Shafikul Islam, Md. Rafikul Islam, Mohammad R. Karim, and Tasneem A. Siddiquee; *Crystal Structure Theory and Applications* Vol. 6 No. 4, pp. 66-72. November 30, 2017.

Vercruysse

1. Vercruysse K, Clark A, Alatas N, Brooks D, Hamza N, Whalen M. Polysaccharide-mediated synthesis of melanins from serotonin and other 5- hydroxy indoles. Future Science OA doi:10.4155/fsoa-2017-0118, FSO280 (2018).

Preprint Server postings (KV):

1. Vercruysse K. Synthesis of L-DOPA based pigments with different physic-chemical properties. chemRxiv doi:10.26434/chemrxiv.5765847.v1, (2018)
2. Vercruysse K, Russell S, Knight J, Stewart N, Wilson N, Richardson N. Dark- or Light-Colored Melanins: Generating Pigments Using Fe2+ and H2O2. chemRxiv doi:10.26434/chemrxiv.5645674.v1, (2017)
3. Vercruysse K, Taylor A, Knight J. Fe2+/H2O2-mediated oxidation of homogentisic acid indicates the production of ochronotic and non-ochronotic pigments. Implications in Alkaptonuria and beyond. bioRxiv doi:10.1101/223099, (2017)
4. Vercruysse KP, Farris TS, Whalen MM. Interleukin-1β and -6 release from immune cells by DOPA-based melanin as free pigment or complexed to carboxymethylcellulose. bioRxiv doi:10.1101/185140, (2017).

Whalen

# Vercruysse, K., Clark, A., Alatas, N., Brooks, D., Hamza, N., Whalen, M. 2018. Polysaccharide-mediated synthesis of melanins from serotonin and other 5-hydroxy indoles. Future Science OA volume 4 p. FSO280.

1. Lawrence, S., Ismail, F., Jamal, S.Z., Whalen, M.M. 2018 Tributyltin (TBT) Stimulates Synthesis of Interferon gamma (IFNγ) and Tumor Necrosis Factor Alpha (TNFα) in Human Lymphocytes. J. Appl. Toxicol. in press.
2. Ignacio, R.M.C.Dong, Y-L., Kabir, S.M., Choi, H., Lee, E-S., Beeghly-Fadiel, A., Whalen, M.M., Son, D-S. 2018. CXCR2 is a negative regulator of p21 in p53-dependent and independent manner via Akt-mediated Mdm2 in ovarian cancer. Oncotarget 9:9751-9765.
3. Yasmin, S., Whalen, M.M. 2018. Flame Retardants, Hexabromocyclododecane (HBCD) and Tetrabromobisphenol A (TBBPA) Alter Secretion of Tumor Necrosis Factor Alpha (TNFα) from Human Immune Cells. Archives of Toxicology 92:1483-1494.
4. Brown, S., Wilburn, W., Martin, T., Whalen, M.M. 2018. Butyltin compounds alter secretion of interleukin 6 from human immune cells. J. Appl. Toxicol. 38: 201-218.