Lect. PhD ZİYA AYDIN

Personal Information

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Education Information

Doctorate, University of Massachusetts Amherst, Chemistry, United States Of America 2010 - 2015
Postgraduate, University of Massachusetts Dartmouth, Chemistry&Biochemistry, United States Of America 2008 - 2010
Undergraduate, Cukurova University, Fen-Edebiyat Üniversitesi, Turkey 2000 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, DEVELOPING FLUORESCENT SENSORS FOR THE BIOIMAGING OF CHELATABLE IRON(III) IONS, University of Massachusetts Amherst, Chemistry, Chemistry, 2015
Postgraduate, Developing Rhodamine-based Flourescent Sensors for Cellular Iron(III) Imaging, University of Massachusetts Dartmouth, Chemistryand Biochemistry, Chemistry, 2010

Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Transition Metals, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Recep Tayyip Erdogan University, Pazar Myo, Hayvansal Ve Bitkisel Uretim, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Highly selective Schiff base derivatives for colorimetric detection of Al3+**
Aydin Z., KELEŞ M.
TURKISH JOURNAL OF CHEMISTRY, vol.41, no.1, pp.89-98, 2017 (SCI-Expanded)

II. **Reaction-based turn-on fluorescent probes with magnetic responses for Fe2+ detection in live cells**
MAITI S., Aydin Z., ZHANG Y., GUO M.
DALTON TRANSACTIONS, vol.44, no.19, pp.8942-8949, 2015 (SCI-Expanded)

III. **An "off-on" optical sensor for mercury ion detection in aqueous solution and living cells**
Aydin Z., WEI Y., GUO M.

INORGANIC CHEMISTRY COMMUNICATIONS, vol.50, pp.84-87, 2014 (SCI-Expanded)

IV. **A Turn-on Fluorescent Sensor for Imaging Labile Fe3+ in Live Neuronal Cells at Subcellular Resolution**
WEI Y., Aydin Z., ZHANG Y., LIU Z., GUO M.
CHEMBIOCHEM, vol.13, no.11, pp.1569-1573, 2012 (SCI-Expanded)

V. **A highly selective rhodamine based turn-on optical sensor for Fe3+**
Aydin Z., WEI Y., GUO M.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.20, pp.93-96, 2012 (SCI-Expanded)

VI. **Determination of uric acid and creatinine in human urine using hydrophilic interaction chromatography**
ZUO Y., YANG Y., ZHU Z., HE W., Aydin Z.
TALANTA, vol.83, no.5, pp.1707-1710, 2011 (SCI-Expanded)

VII. **Synthesis of palladium complexes with bis(diphenylphosphinomethyl) amino ligands: A catalyst for the Heck reaction of aryl halide with methyl acrylate**
KELES M., Aydin Z., SERINDAG O.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.692, no.10, pp.1951-1955, 2007 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **ORGANIK TARIMDA KULLANILAN KİMYASALLAR**
AYDIN Z.
DOĞU KARADENİZ 2. ORGANİK TARIM KONGRESİ, Rize, Turkey, 6 - 09 October 2015, pp.125

II. **Floresan Sensörler ile Canlı Hücrelerde Serbest Halde Bulunan Fe(III) İyonlarının Takibi**
AYDIN Z., GUO M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.144

III. **Molecular Imaging of Iron Ions in Living Systems: Subcellular Trafficking and Quantification**
AYDIN Z., GUO M., MAITI S., ZHANG Y., WEI Y., Yang B.
The 17th International Conference on Biological Inorganic Chemistry, Bıjın, China, 20 - 24 July 2015, pp.218

IV. **A pH Stable Turn-on Fluorescent Sensor for Imaging Labile Fe3+ in Living Cells**
AYDIN Z., Alhawsah B., Yang B., GUO M.
5th Annual UMCCTS Research Retreat, Worcester, United States Of America, 20 May 2014

V. **Developing turn-on fluorescent sensors for iron imaging in live neuronal cells**
AYDIN Z., GUO M., ZHANG Y., WEI Y., LIU Z.
240th ACS National Meeting, Boston, Boston, United States Of America, 22 - 26 August 2010, vol.240

Metrics

Publication: 12
Citation (WoS): 224
Citation (Scopus): 236
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