Prof. Dr. Alireza Mahjoub

Born in Tehran on 15 June, 1957

Department of Chemistry
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Scientific Interests:

Material Sciences, Nanochemistry, Coordination Chemistry, Photo catalysis, Sol-gel, Drug delivery

Professional Experiences:

Since 1994: Professor of Inorganic Chemistry at Tarbiat Modares University, Tehran, Iran

From 2002- 2003: Research project at FU-Berlin (Prof. Dr. K. Seppelt)

From 1988-1993: Scientific Collaborator at FU-Berlin

From 1992-1993: Post Doc at FU-Berlin (Prof. Dr. K. Seppelt)

From 1987-1992: PhD in Inorganic Chemistry, FU-Berlin

From 1984-1987: Master of Sciences in Inorganic Chemistry, FU-Berlin

From 1980-1984: Bachelor in Chemistry, FU-Berlin

Selected Publications:

1. Abazari R, Mahjoub AR, Shariati J. Synthesis of a nanostructured pillar MOF with high adsorption capacity towards antibiotics pollutants from aqueous solution. Journal of hazardous materials. 2019 Mar 15;366:439-51.
2. Abazari R, Mahjoub AR, Salehi G. Preparation of amine functionalized g-C3N4@ H/SMOF NCs with visible light photocatalytic characteristic for 4-nitrophenol degradation from aqueous solution. Journal of hazardous materials. 2019 Mar 5;365:921-31.
3. Bayat A, Mahjoub AR, Amini MM. Synthesis of high crystalline hierarchical self-assembled MMoO4 (M= Ca, Sr and Ba) super structures: Having hydrophilic surfaces and obvious red-shifted photoluminescence behavior. Materials Chemistry and Physics. 2019 Feb 1;223:583-90.
4. Abazari R, Mahjoub AR, Sanati S, Rezvani Z, Hou Z, Dai H. Ni–Ti Layered Double Hydroxide@ Graphitic Carbon Nitride Nanosheet: A Novel Nanocomposite with High and Ultrafast Sonophotocatalytic Performance for Degradation of Antibiotics. Inorganic chemistry. 2019 Jan 16
5. Abazari R, Mahjoub AR, Ataei F, Morsali A, Carpenter-Warren CL, Mehdizadeh K, Slawin AM. Chitosan Immobilization on Bio-MOF Nanostructures: A Biocompatible pH-Responsive Nanocarrier for Doxorubicin Release on MCF-7 Cell Lines of Human Breast Cancer. Inorganic Chemistry. 2018 Oct 17;57(21):13364-79.
6. Salehi G, Abazari R, Mahjoub AR. Visible-Light-Induced Graphitic–C3N4@ Nickel–Aluminum Layered Double Hydroxide Nanocomposites with Enhanced Photocatalytic Activity for Removal of Dyes in Water. Inorganic chemistry. 2018 Jun 29;57(14):8681-91.