

اعضای هیات علمی گروه شیمی گرایش شیمی معدنی



دکتر رضا طیبی

- 1) Studying adsorption and detoxification of sulfur mustard chemical warfare onto ZnO nanostructures
Journal of Molecular Liquids, 2020, 319, 114357.

[Tayebbe, R.](#), [Nasr, A.H.](#)

- 2) Photodegradation of methylene blue and some emerging pharmaceutical micropollutants with an aqueous suspension of WZnO-NH₂@H₃PW₁₂O₄₀ nanocomposite.
Journal of Molecular Liquids, 2020, 317, 113928.

[Tayebbe, R.](#), [Esmaili, E.](#), [Maleki, B.](#), ...[Chahkandi, M.](#), [Mollania, N.](#)

- 3) Nonlinear optical and photoacoustic properties of aqueous crystalline hemoglobin. Towards facile detection of hemoglobin concentration in blood.
Journal of Molecular Liquids, 2021, 325, 115169.

[Koushki, E.](#), [Tayebbe, R.](#), [Esmaili, M.](#)



دکتر فرخزاد محمدی زنوز

- 1) A newly synthesized organic-inorganic hybrid in nano-size including [BW₁₂O₄₀]⁵⁻ anions and hydrolyzed 2-cyanoguanidine cations as a double working green catalyst.
Research on Chemical Intermediates, 2020, 46(7), pp. 3431–3447.

[Jamshidi, A.](#), [Zonoz, F.M.](#), [Wei, Y.](#), [Samie, A.](#)

- 2) A new organic-inorganic nano hybrid based on borotungstic anion and imidazole ring as a two-functional green catalyst
Solid State Sciences, 2020, 100, 106093.

[Jamshidi, A.](#), [Zonoz, F.M.](#), [Wei, Y.](#)

- 3) Nanohybrid Complexes with Molybdenyl Acetylacetonate, Schiff Base and Lacunary Keggin-Type Polyoxometalates: Synthesis and Catalytic Epoxidation of Olefins in the Presence of tert-Butyl Hydroperoxide
Catalysis Letters

[Hosseinyzade, S.S.](#), [Zonoz, F.M.](#), [Bahramian, B.](#)



دکتر محمد چهکندی

- 1) Crystal and molecular structure of $[\text{Ni}_2\text{-H}_2\text{NC(=O)C}_5\text{H}_4\text{N}_2(\text{H}_2\text{O})_2][\text{Ni}_2,6\text{-(O}_2\text{C)}_2\text{C}_5\text{H}_3\text{N}_2]\cdot 4.67\text{H}_2\text{O}$; DFT studies on hydrogen bonding energies in the crystal.
Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, pp. 591–603.

[Chahkandi, M.](#), [Shahrestanaki, A.K.](#), [Mirzaei, M.](#), [Tahir, M.N.](#), [Mague, J.T.](#)

- 2) New water based EPD thin BiVO_4 film: Effective photocatalytic degradation of Amoxicillin antibiotic
Journal of Hazardous Materials, 2020, 389, 121850.

[Chahkandi, M.](#), [Zargazi, M.](#)

- 3) Novel method of square wave voltammetry for deposition of Bi_2S_3 thin film: Photocatalytic reduction of hexavalent Cr in single and binary mixtures
Journal of Hazardous Materials, 2019, 380, 120879.

[Chahkandi, M.](#), [Zargazi, M.](#)

اعضای هیات علمی گروه شیمی گرایش شیمی فیزیک



دکتر حامد اکبرزاده

- 1) Stability of Pd@void@M (M=Ni, Ag, and Pt) yolk shell nanoparticles controlled by structural factors:

A molecular dynamics perspective .

Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125920.

[Akbarzadeh, H.](#), [Mehrijouei, E.](#), [Shamkhali, A.N.](#), ...[Abbaspour, M.](#), [Salemi, S.](#)

- 2) Investigation of different effects on the capacity of supercapacitor comprising an ionic liquid between graphene oxide nanosheets.

Journal of Molecular Liquids, 2018, 266, pp. 658–672.

[Nasimi, M.](#), [Akbarzadeh, H.](#), [Abbaspour, M.](#), ...[Sokhanvaran, V.](#), [Izanloo, C.](#)

- 3) Unexpected trend for thermodynamic stability of Au@void@AgAu yolk-shell nanoparticles: A molecular dynamics study.

Applied Surface Science, 2018, 447, pp. 648–655.

[Akbarzadeh, H.](#), [Mehrijouei, E.](#), [Shamkhali, A.N.](#), ...[Salemi, S.](#), [Ramezanzadeh, S.](#)



دکتر سیروس سالمی

- 1) Stability of Pd@void@M (M=Ni, Ag, and Pt) yolk shell nanoparticles controlled by structural factors: A molecular dynamics perspective

Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125920.

[Akbarzadeh, H.](#), [Mehrbjoui, E.](#), [Shamkhali, A.N.](#), ...[Abbaspour, M.](#), [Salemi, S.](#)

- 2) Investigation of different effects on the capacity of supercapacitor comprising an ionic liquid between graphene oxide nanosheets.

Journal of Molecular Liquids, 2018, 266, pp. 658–672.

[Nasimi, M.](#), [Akbarzadeh, H.](#), [Abbaspour, M.](#), ...[Sokhanvaran, V.](#), [Izanloo, C.](#)

- 3) Unexpected trend for thermodynamic stability of Au@void@AgAu yolk-shell nanoparticles: A molecular dynamics study.

Applied Surface Science, 2018, 447, pp. 648–655.

[Akbarzadeh, H.](#), [Mehrbjoui, E.](#), [Shamkhali, A.N.](#), ...[Salemi, S.](#), [Ramezanzadeh, S.](#)



دکتر محسن عباسپور

- 1) Molecular dynamics simulation of carbon peapod-like nanomaterials in desalination process. Desalination, 2021, 504, 114975.

[Abbaspour, M.](#), [Jorabchi, M.N.](#), [Akbarzadeh, H.](#), [Ahmadi, N.](#)

- 2) Investigation of temperature and pressure effects on thermodynamics and structural properties of gold nanoparticles formed during the gas condensation procedure.

Journal of Molecular Liquids, 2019, 281, pp. 39–47.

[Lotfi, S.](#), [Abbaspour, M.](#)

- 3) Nucleation, coalescence, thermal evolution, and statistical probability of formation of Au/Ir/Pd nanoalloys in gas-phase condensation process.

Journal of Molecular Liquids, 2019, 274, pp. 434–446.

[Abbaspour, M.](#), [Namayandeh Jorabchi, M.](#), [Akbarzadeh, H.](#), [Salemi, S.](#), [Ebrahimi, R.](#)

اعضای هیات علمی گروه شیمی گرایش شیمی آلی



دکتر بهروز ملکی

- 1) Glutathione-capped core-shell structured magnetite nanoparticles: Fabrication and their nonlinear optical characteristics.

Current Applied Physics, 2020, 20(6), pp. 822–827.

[Maleki, B.](#), [Esmaeilnezhad, E.](#), [Choi, H.J.](#), ...[Rahnamaye Aliabad, H.A.](#), [Esmaeili, M.](#)

- 2) Synthesis and Characterization of Nanorod Magnetic Co–Fe Mixed Oxides and its Catalytic Behavior Towards One-Pot Synthesis of Polysubstituted Pyridine Derivatives.

Polycyclic Aromatic Compounds, 2020, 40(3), pp. 633–643.

[Maleki, B.](#), [Natheghi, H.](#), [Tayebbe, R.](#), ...[Hossieni, S.A.](#), [Nouri, S.M.M.](#)

- 3) Facile and Efficient Synthesis of Bicyclic ortho-Aminocarbonitrile Derivatives Using Nanostructured Diphosphate $\text{Na}_2\text{CaP}_2\text{O}_7$.

Organic Preparations and Procedures International, 2020, 52(3), pp. 232–237.

[Maleki, B.](#), [Veisi, H.](#)



دکتر بهنام مهدوی

- 1) Synthesis and biological evaluation of novel hybrid compounds derived from gallic acid and the 2-aminothiophene derivatives.

Journal of the Iranian Chemical Society, 2020, 17(4), pp. 809–815.

[Mahdavi, B.](#), [Hosseyni-Tabar, S.M.](#), [Rezaei-Seresht, E.](#), [Rezaei-Seresht, H.](#), [Falanji, F.](#)

- 2) Assessment of antioxidant, cytotoxicity, antibacterial, antifungal, and cutaneous wound healing activities of green synthesized manganese nanoparticles using *Ziziphora clinopodioides* Lam leaves under in vitro and in vivo condition.

Applied Organometallic Chemistry, 2020, 34(1), e5248.

[Mahdavi, B.](#), [Paydarfard, S.](#), [Zangeneh, M.M.](#), ...[Seydi, N.](#), [Zangeneh, A.](#)

- 3) Chemical composition, antioxidant, antibacterial, cytotoxicity, and he-molyses activity of essential oils from flower of *matricaria chamomilla* var. *Chamomilla*.

Anti-Infective Agents, 2020, 18(3), pp. 224–232.

[Mahdavi, B.](#), [Ghorat, F.](#), [Nasrollahzadeh, M.S.](#), [Hosseyni-Tabar, M.](#), [Rezaei-Seresht, H.](#)



دکتر اسماعیل رضایی سرشت

- 1) Piperazine-Grafted Magnetic Reduced Graphene Oxide ($\text{Fe}_3\text{O}_4@\text{rGO-NH}$) as a Reusable Heterogeneous Catalyst for Gewald Three-Component Reaction.

Polycyclic Aromatic Compounds, 2020.

[Rezaei-Seresht, E.](#), [Bakhshi-Noroozi, M.](#), [Maleki, B.](#)

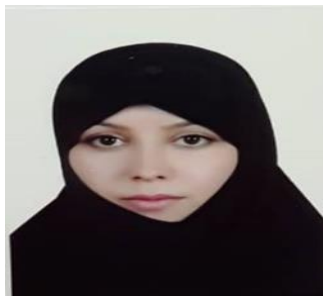
- 2) Green and selective iodination of diamondoid adamantane by β -cyclodextrin as a molecular reactor. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 95(1-2), pp. 51–54.

[Rezaei-Seresht, E.](#), [Rahmandoost, M.](#), [Mahdavi, B.](#)

- 3) Synthesis, antioxidant and antibacterial activity of azo dye-stilbene hybrid compounds.

Pigment and Resin Technology, 2019, 48(1), pp. 84–88.

[Rezaei-Seresht, E.](#), [Salimi, A.](#), [Mahdavi, B.](#)



دکتر فاطمه حاجتی

- 1) One-pot three-component synthesis of 1,8-dioxooctahydroxanthenes and 14-Aryl-14Hdibenzo[a,j]xanthenes using a new nanostructure zeolite.
Journal of Chemical Sciences, 2020, 132(1), 38.
[Hojati, S.F.](#), [Moosavifar, M.](#), [Moeinieghbali, N.](#)
- 2) The application of copolymer-coated graphene oxide-Fe₃O₄ in the highly efficient synthesis of 2'-aminospiro[indeno[1,2-b]quinoxaline-11,4'-[4'H]pyran]-3'-carbonitrile and 2'-aminospiro[indeno-2,4'-[4'H]pyran]-3'-carbonitrile.
Applied Organometallic Chemistry, 2020, 34(5), e5604.
[Hojati, S.F.](#), [Amiri, A.](#), [Fardi, E.](#)
- 3) Polystyrene@graphene oxide-Fe₃O₄ as a novel and magnetically recyclable nanocatalyst for the efficient multi-component synthesis of spiro indene derivatives.
Research on Chemical Intermediates, 2020, 46(2), pp. 1091–1107.
[Hojati, S.F.](#), [Amiri, A.](#), [Mahamed, M.](#)

اعضای هیات علمی گروه شیمی گرایش شیمی تجزیه



دکتر سعید نظری

- 1) Fe₃O₄-modified graphene oxide as a sorbent for sequential magnetic solid phase extraction and dispersive liquid phase microextraction of thallium.
Microchimica Acta, 2017, 184(9), pp. 3239–3246.
[Nazari, S.](#), [Mehri, A.](#), [Hassannia, A.S.](#)
- 2) Urban and agricultural nutrient event mean concentration and export load data for watershed quality assessment models.
Environmental and Water Resources Congress 2017, 2017, pp. 273–282.
[Nazari, S.](#), [Ormsbee, L.](#)
- 3) Liquid phase microextraction and ultratrace determination of cadmium by modified graphite furnace atomic absorption spectrometry.
Journal of Hazardous Materials, 2009, 165(1-3), pp. 200–205.
[Nazari, S.](#)



دکتر مهدی بقایری

- 1) Electrochemical detection of bisphenol a on a MWCNTs/CuFe₂O₄ nanocomposite modified glassy carbon electrode.
Materials Chemistry and Physics, 2021, 261, 124247.

[Baghayeri, M.](#), [Amiri, A.](#), [Fayazi, M.](#), [Nodehi, M.](#), [Esmaeelnia, A.](#)

- 2) Electrode designed with a nanocomposite film of CuO Honeycombs/Ag nanoparticles electrogenerated on a magnetic platform as an amperometric glucose sensor.

Analytica Chimica Acta, 2020, 1111, pp. 49–59 .

[Baghayeri, M.](#), [Nodehi, M.](#), [Amiri, A.](#), ...[Behazin, R.](#), [Iqbal, M.Z.](#)

- 3) Cu-Based MOF for Simultaneous Determination of Trace Tl (I) and Hg (II) by Stripping Voltammetry.

Journal of the Electrochemical Society, 2020, 167(16), 167522.

[Baghayeri, M.](#), [Amiri, A.](#), [Safapour Moghaddam, B.](#), [Nodehi, M.](#)



دکتر امیرحسین امیری

- 1) Graphene oxide/polydimethylsiloxane-coated stainless steel mesh for use in solid-phase extraction cartridges and extraction of polycyclic aromatic hydrocarbons.

Microchimica Acta, 2020, 187(4), 213.

[Amiri, A.](#), [Baghayeri, M.](#), [Karimabadi, F.](#), [Ghaemi, F.](#), [Maleki, B.](#)

- 2) Microcrystalline cellulose/metal–organic framework hybrid as a sorbent for dispersive micro-solid phase extraction of chlorophenols in water samples

Journal of Chromatography A, 2020, 1626, 461386.

[Ghaemi, F.](#), [Amiri, A.](#)

- 3) Effective extraction of organophosphorus pesticides using sol–gel based coated stainless steel mesh as novel solid-phase extraction sorbent

Journal of Chromatography A, 2020, 1620, 461020.

[Amiri, A.](#), [Baghayeri, M.](#), Vahdati-Nasab, N