



بیست و دومین کنفرانس شیمی معدنی ایران

(۱ تا ۳ شهریور ۱۴۰۲ - دانشگاه کردستان)

22nd Iranian Inorganic Chemistry Conference

(Aug. 23-25, 2023-UOK)

بخش ۲

Synthesis,
Characterization
&
Electrochemistry
of Inorganic
Compounds

چهارشنبه ۱۴۰۲/۰۶/۰۱

ساعت

۱۶:۳۰-۱۷:۳۰

بخش ۱

Organometallics
Chemistry &
Theoretical
Chemistry

چهارشنبه ۱۴۰۲/۰۶/۰۱

ساعت

۰۹:۳۰-۱۰:۳۰

بخش ۴

Nano-Chemistry

پنجشنبه ۱۴۰۲/۰۶/۰۲

ساعت

۱۶:۳۰-۱۷:۳۰

بخش ۳

Catalyst &
Photocatalyst

پنجشنبه ۱۴۰۲/۰۶/۰۲

ساعت

۰۹:۳۰-۱۰:۳۰

بخش ۵

Nano-Chemistry
& Multi
Discipline

جمعه ۱۴۰۲/۰۶/۰۳

ساعت

۰۹:۳۰-۱۰:۳۰

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| P1-14 | موسوی ایمانی سیده لیلا | Construction of Organoplatinum (II) Complexes by a Tripod Phosphine Ligand: A Joint Experimental and Computational Investigation |

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| P1-49 | نقدی جوبشهر یونس | Synthesis of novel chiral heterogeneous bisoxazoline-based catalyst and its application in the synthesis of chiral allylic esters by synchronous dehydrogenation and allylic oxidation of alkanes |

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| P1-63 | قلی ئی یاسین | Strength and nature of metal-dichalcogenolate bond in homoleptic metal bis(1,2-dichalcogenolate) complexes $[M(C_3E_5)_2]^{2-}$ (E=S, Se; M=Ni(II), Pd(II), Pt(II)); A theoretical study |
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| P2-63 | قهرمانی سارا | Synthesis and Characterization of ZIF-67-NiO/Graphene Sponge for Supercapacitor Applications |
| P2-64 | رضائی زیبا | Synthesis and Characterization and Application of Zirconate(IV) Complex for C–C coupling reactions |
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| P3-12 | نورمرادی نسیم | Nanomagnetic Schiff Base Complex of Copper (II): Synthesis, Characterizations, and Its Catalytic Application in synthesis of 5-substituted-1H-tetrazole derivatives |
| P3-13 | موسوی فر مریم | Removal of Abamectine from wastewater by Fe-kaolin modified |
| P3-14 | موسوی فر مریم | Oxidative desulfurization of model diesel using natural kaolin clay modified with MoO ₃ /Ni/Fe |
| P3-15 | قبادی فرد مهدیه | Innovative p-n semiconductor heterojunction as a nanophotocatalyst toward the C(OH)-H bond activation |
| P3-16 | قبادی فرد مهدیه | Boosted photocatalytic decolorization of MB, RhB, and MO by perovskite-based heterojunction structures |
| P3-17 | کشوری نژاد مریم | Salting effect of tetraalkylammonium salts on the clouding thermodynamic functions of aqueous butanol system |
| P3-18 | عباسی طیولا یونس | A Sm@Schiff-base@MCM-41 as a reusable and practical nanocatalyst for the synthesis of tetrazoles |

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| P3-19 | کارگر هادی | Investigation of the catalytic activity of Mo and V complexes with tridentate pyridyl hydrazone Schiff base ligands in oxidation reactions |
| P3-20 | نوری اوغول بیک زهرا | Synthesis and characterization of new nano organic-inorganic hybrid film (TBA)4PW11Fe@TiO ₂ @PVA for oxidative desulphurization of gasoline |
| P3-21 | رحیمی یادگار | Synthesis, characterization, and catalytic performance of Pd/CNT-MOF nanocatalysts in C-C bond formation reactions |
| P3-22 | حمیدزاده مرضیه | Synthesis of hierarchical SAPO-34 crystals with different preparation procedures for the conversion of methanol to olefins |
| P3-23 | حمیدزاده مرضیه | Synthesis of nanosized ZSM-5 zeolites by different amounts of sodium hydroxide and their catalytic performance in methanol to propylene reaction |
| P3-24 | مجیدی مهسا | Investigating the effect of crystallization temperature in the synthesis of SAPO-34 catalyst in the process of converting methanol to light olefins |
| P3-25 | خراطی الهام | Aerobic photooxidation of 1,3-diphenylisobenzofuran in the presence of manganese and iron porphyrins |
| P3-26 | رضائی زیبا | Synthesis, Characterization of Cyclopalladated Complexes and Its application as Efficient Catalysts for Suzuki-Miyaura and Heck-Mizoroki Coupling Reactions |
| P3-27 | جعفری زنگلانلو احمد | Effect of ZSM-5 seeds in the synthesis of SAPO-34 catalyst in methanol to light olefins |
| P3-28 | قادری آرزو | Immobilization of L-proline on functionalized MCM-41 and its application in the synthesis of chiral allylic esters |
| P3-29 | قهرمانی مریم | Investigation on catalytic activity of Cu-complex immobilized on Modified Carbon Dots for Carbon-Carbon Homocoupling Reaction |
| P3-30 | سردیوند چگینی عیسی | The effect of light on manganese porphyrin catalyzed oxidation of olefins with periodate under different conditions |
| P3-31 | غلامی شهاب | Synthesis and characterization of MCM-48@Dithizone@Ni and its catalytic activity in the synthesis 2-phenyl benzimidazole derivatives |
| P3-32 | غلامی شهاب | Immobilization of copper complex on the surface of SBA-15: As an efficient nanocatalyst for the synthesis of pyranopyrazole derivatives |
| P3-33 | پارسا فرد نستر | Investigation and optimization of the n-heptane isomerization reaction over the Pt-Zr-HMS catalysts with RSM method |
| P3-34 | پارسا فرد نستر | The kinetic study of toluene hydrogenation with response surface method over three Pt-supported catalysts |
| P3-35 | مظاهری میلاد | π - Extended Dinuclear Ruthenium (II) Complex for Dye-Sensitized Solar Cell |
| P3-36 | مرادی پریسا | Boehmite magnetic nanoparticles as a practical and magnetically recoverable nanocatalyst in the synthesis of tetrazoles |
| P3-37 | طهماسبی بهمن | Co-(PYT) ₂ @boehmite as an efficient and reusable nanocatalyst in the synthesis of tetrazole derivatives |
| P3-38 | عبدی سمیه | Synthesis of allylic esters using phenyl glycine-functionalized metal-organic framework and copper salts |

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| P3-39 | براتی مهدی | Oxovanadium (IV) unsymmetrical Schiff base complex as an efficient catalyst for selective oxidation of sulfides to sulfoxides with H ₂ O ₂ |
| P3-40 | براتی مهدی | Investigation of catalytic activity of oxovanadium(IV) unsymmetrical salen complex in the oxidative coupling of thiols to disulfides with UHP |
| P3-41 | براتی مهدی | Synthesis and characterization of a nickel (II) unsymmetrical salen complex as an efficient catalyst for selective oxidation of alcohols |
| P3-42 | عیسی پور بشمنی فرناز | Degradation of an anti-inflammatory drug using magnesium ferrite in the Fenton oxidation process |
| P3-43 | کاظم شعار دوزدو زانی رضا | Investigating the Catalytic Effects of MOF-199 on the Thermal Decomposition of Ammonium Dinitramide (ADN) |
| P3-44 | کاظم شعار دوزدو زانی رضا | Investigating catalytic effects of a zeolitic imidazolate framework, ZIF-8, on the phase transition and thermal decomposition of ammonium nitrate |
| P3-45 | مالکی قاسم | Tuning the catalytic activity of a Zn-MOF by tandem post-synthetic surface functionalization in the synthesis of benzimidazole derivatives |
| P3-46 | صباحی نگین | Shedding light on the environmental impact of the decomposition of perovskite solar cell |
| P3-47 | صباحی نگین | Mechanistic insights of the key role of methylammonium iodide in the stability of perovskite material |
| P3-48 | پورعابد نرجس | Fabrication of Novel WO ₃ /NiCo ₂ O ₄ magnetic photocatalysts with UV-light driven photocatalytic activity in MB degradation in an aqueous solution |
| P3-49 | صالحی سید طاها | Fenton degradation of methylene blue (MB) using Nanosized ZSM-5 type ferrisilicate |
| P3-50 | محمدی مژده | Pumice powder supported bimetallic Fe-Ag nanoparticles: as a new, powerful magnetic nanocomposite for the aqueous reduction of nitro compounds to amines Pumice powder supported bimetallic Fe-Ag nanoparticles: as a new, powerful magnetic nanocomposite for the aqueous reduction of nitro compounds to amines |
| P3-51 | صادقی نیکو عارفه | Preparation of Cobalt based catalysts for Fischer-Tropsch Synthesis |
| P3-52 | چراغه عاطفه | Cs@MCM-41 network as a organocatalyst for the reduction of nitro compounds to amines |
| P3-53 | مقدسی میلاد | Lacunary Keggin-type Polyoxometalate-Based Framework: Design of a Heterogeneous Photocatalyst for Efficient Degradation of Dye from Aqueous Solution |
| P3-54 | رسولی نیا خدیجه | Synthesis of β -nitroalcohols in the presence of amino acid-based chiral metal-organic framework |
| P3-55 | سلطانی اعظم | Investigating the effect of active metal percentage composition on catalytic performance in the oxidative coupling reaction of methane |

بخش ۴: Nano-Chemistry

| شماره پوستر | نام ارائه دهنده | عنوان |
|----------------|------------------|--|
| P4-01 | ریگی فاطمه | Plant-mediated synthesis and characterization of iron oxide nanoparticles using Tribulus terrestris |
| P4-02 | سجادی فر صبیح | Preparation and Characterization of Chitosan/Borax Nanocomposite Based on Copper Iodide: An Efficient Nanocatalyst for Synthesis of Imidazo [1,2-a] Pyridines |
| P4-03 | غفارزاده محمد | Overview on synthesis, Applications of Cobalt Oxide Nanoparticles |
| P4-04 | سیدی سقزچی امیر | A novel magnetic nanocomposite based on alginate/pumice: an efficient heterogeneous nanocatalyst for synthesis of [1,2,4]triazolo[1,5-a] pyrimidines |
| P4-05 | همتی طیبہ | Synthesis of Zr-metal organic frameworks modified for the Suzuki and Heck reactions as an effective and heterogeneous catalyst |
| P4-06 | پاکپور فائزہ | The construction of electrochemiluminescence new sensor by Using of Si/C nanostructures for signal amplification in order to measurement of Cyanotoxins in water samples |
| P4-07 | اکبری نادیا | Synthesis and characterization of Bismuth / Bismuth Sulfide / Bismuth Vanadate nanocomposite by hydrothermal method |
| P4-08 | قرائی پرستو | Dye decomposition by organo-inorganic catalytic nanocomposite material based on polyaniline (PANI) with Preyssler polyoxometalate |
| P4-09 | قرائی پرستو | Synthesis of Fe ₃ O ₄ nanoparticles by co-precipitation method and study of the solvent effect on morphology and crystallinity of particles |
| P4-10 | قرائی پرستو | Dye decomposition by inorganic-organic hybrid base on Preyssler-type polyoxometalates |
| P4-11 | محتشم حامد | Zif-67 Drivate Nanocomposite as Efficient Peroxymonosulfate Activator for Degradation of Sulfamethoxazole |
| P4-12 | محمدی آزیتا | Synthesis of Fe-MOF nanostructure: A Study of Peroxidase-Like behavior for Sensing of H ₂ O ₂ |
| P4-13 | رشیدزاده بهالدین | Preparation and application of alginate-graphene oxide magnetic beads to remove Zn ²⁺ cation in aqueous solutions |
| P4-14 | رشیدزاده بهالدین | Synthesis and characterization of nanocomposite hydrogel based on nanobead chitosan in the presence of Fe ₃ O ₄ @SiO ₂ -Ag nanoparticles and its use to study surface |
| P4-15 | موسوی سید جواد | Synthesis, Characterization, Thermal and Gas sensing Properties of New Scandium(III) Nano Coordination Polymers |
| P4-16 | موسوی سید جواد | New Zinc(II) Mixed Ligand Coordination Polymers at Nano and Bulk Size, Precursor for Preparation of ZnO Nanoparticles |

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| P4-17 | نجاتی سرجوبی پرنیا | Supported Diamond-like carbon films on anodized titanium oxide as high-efficient electrocatalyst for electrochemical Ozone production |
| P4-18 | حق اندیش مهسا | Easy synthesis of highly fluorescent carbon dots from lycopene and their biological imaging applications |
| P4-19 | منتی سعید | Synthesis and characterization of a new nano complex derived from (E)-2-hydroxy-5-(2-nitrophenyl)diazenylbenzaldehyde and Fe ₃ O ₄ @SiO ₂ and investigation of its catalyst |
| P4-20 | ریاحی پریسا | Immobilization of zinc complexes on magnetic nanoparticles and their applications as catalyst |
| P4-21 | کریمی بلیتی رقیه | Synthesis and characterization of bismuth iron oxide nanostructure by sonochemical method |
| P4-22 | فتاحی سعید | Enhanced photocatalytic conversion of organic dyes using CeFeO ₃ /MoS ₂ heterojunction as a highly effective visiblelight-driven photocatalyst |
| P4-23 | نوری مریم | PMo ₁₂ /PANI Supported on Activated Carbon Derived from Waste Tire Pyrolysis as Electrode Material in Supercapacitor |
| P4-24 | عزیزی زهره | Solvent-free one-pot synthesis of octahydroquinazolinone derivatives using copper-magnesium ferrite magnetic catalyst: an efficient approach |
| P4-25 | عزیزی زهره | Green synthesis of copper doped magnesium ferrite nanoparticles for the evaluation of their photocatalytic properties |
| P4-26 | ویسی طیبہ | Microwave-assisted multicomponent reaction for the synthesis of 2, 4, 5-triarylimidazole derivatives using zinc-nickel ferrite magnetic nanoparticles as a catalyst |
| P4-27 | ویسی طیبہ | Synthesis and photocatalytic investigation of zinc doped nickel ferrite in the degradation of organic dye under visible light |
| P4-28 | نگہدار شادی | Prussian blue analog-derived Fe-Co-P as excellent electrocatalyst for oxygen evolution reaction |
| P4-29 | جمشیدی نرجس | Zinc-cobalt ferrite magnetic nanoparticles as an environmentally friendly, cheap, and effective catalyst for solvent-free one-pot multi-component synthesis of 3,4-dihydropyrimidin-2(1h)-ones |
| P4-30 | جمشیدی نرجس | Structural, magnetic, and photocatalytic characterization of zinc-doped cobalt ferrite nanoparticles |
| P4-31 | لطفی ہانیہ | Synthesis of Pt-Cu alloy nanoparticles on sulfur-modified graphene as electrocatalysts for meth |
| P4-32 | یارپور محدثہ | Tragacanth gum-stabilized Cobalt nano catalyst for hydrogen generation; Hydrolysis of Sodium borohydride |
| P4-33 | شیروندی زینب | Copper-functionalized magnetic mesocellular foams: as a magnetically recoverable nanocatalyst for carbon-selenium bonds formation |

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| P4-34 | محمد شریفی کلثوم | Modification of Clay Mineral Montmorillonite via Graphene Quantum Dots for Use as a Nanofiller in Bio-Based Hydrogel for Wastewater |
| P4-35 | موسوی فر مریم | Synthesis and investigation of antibacterial behavior of Zn 1-xCu _x O(Ag) hybrid nanocomposite |
| P4-36 | دانشگر حسین | Investigating the effect of time on the morphology and crystallinity of MIL-125 in the solvothermal synthesis method |
| P4-37 | معرفتیان فرشاد | Efficient photoactivity of Ag/CeCoO ₃ toward the conversion of MB dye under the irradiation of light source |
| P4-38 | معرفتیان فرشاد | Enhanced decolorization of organic dyes using CeCoO ₃ /PbS heterojunction as an excellent photocatalyst |
| P4-39 | ملازاده افسانه | Ce/SiQDs as pseudo-enzymatic catalase to inhibit H ₂ O ₂ inside the cells of the body |
| P4-40 | ملازاده افسانه | Investigation of the performance of carbon quantum dots as pseudo-enzymatic catalase in inhibiting hydrogen peroxide in the body |
| P4-41 | ملازاده افسانه | The performance of CQD/Sb ₂ WO ₆ catalase-like enzyme in inhibiting hydrogen peroxide |
| P4-42 | میررحیمی منیرالسادات | Biological Studies of upconversion nanoparticles |
| P4-43 | گلستانی بهابادی سید امیر حسین | Application of Metal-Organic Framework containing Hydroxyapatite(MOF/HAp) in Tissue Engineering to improve Bone function |
| P4-44 | خمرنیا سمیه | Investigating the Photocatalytic Application of Nd ₂ CuFe ₂ O ₇ Nanocomposite to Remove Organic Dyes. |
| P4-45 | خمرنیا سمیه | Synthesis and Characterization of Nd ₂ CuFe ₂ O ₇ Magnetic Nanocomposites |
| P4-46 | باشتنی مهرداد | Removal and determination of heavy metals in real samples and industrial wastewater with nanosorbent |
| P4-47 | شریفی ساعد | Investigating the synthesis methods of alumina nanoparticles |
| P4-48 | نگهداری شادی | One-step synthesis of titanate microstructures as efficient light scattering layer for dye-sensitized solar cells |
| P4-49 | نیرومند گلوانی فریبا | Facile and Efficient Synthesis 2H-indazole[2,1-b]phthalazine-triones Derivatives Using Fe ₃ O ₄ /eggshell/CS@HSO ₄ NPs as a heterogeneous and recyclable nanocatalyst |
| P4-50 | فاهمی نیکو | Micorelectrochemical sensing and deposition within bubble film |
| P4-51 | سجده سهیل | Green modified-UiO-66/MXene sandwich composites for gene-chemotherapy synergistic cancer suppression: Co-delivery of doxorubicin and pCRISPR |
| P4-52 | سجده سهیل | N-doped carbon nanospheres as selective fluorescent probes for mercury detection in contaminated aqueous media: chemistry, fluorescence probing, cell line patterning, |
| P4-53 | سجده سهیل | Porphyrin Molecules Decorated on Metal-Organic Frameworks for Multi-Functional Biomedical Applications |

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| P4-54 | زارعی آرمین | High selective, sensitive, paper-based probe for Cu(II) detection: A prospective form Nano-scale turn-on to Micro-scale turn-off states |
| P4-55 | زارعی آرمین | CQD-Based Sensing Platform for Cu ²⁺ Detection in Wilson's Disease |
| P4-56 | نبی تبار معصومه | Decolorization by Magnesium Ferrite Magnetic Nanoparticles |

نخستین: Nano-Chemistry & Multi Discipline

| شماره پوستر | نام ارائه دهنده | عنوان |
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| P5-01 | نعیم مهتاب | Rational Design of Organic-inorganic Metal Halide Perovskites with Deep Blue Emission and Encapsulation in Metal Organic Frameworks as a Stable Platform with Improve |
| P5-02 | نعیم مهتاب | Synthesis of Zinc-Based Metal Organic Frameworks Modified as Highly Efficient and Recyclable Catalysts for Suzuki and Heck Cross-Coupling Reactions |
| P5-03 | ناروئی عبدالمنان | Synthesis of the urea-formaldehyde resin@MnO ₂ core-shell nanoparticles and investigation of their performance in supercapacitors |
| P5-04 | همتی طیبیه | Enhanced emission intensity and stability of perovskite nanocrystals by using metal organic frameworks |
| P5-05 | عبدی ندا | alcohol/Cyclophosphamide nanofibers for anticancer applications |
| P5-06 | پیامنی سمیه | Graphitic carbon nitride nanotubes grown on carbon paper for efficient electrocatalytic hydrogen evolution reaction |
| P5-07 | عباسی سبحان | Solvothermal Synthesis and Characterization of Nano Molybdenum Disulfide |
| P5-08 | عباسی طیولا یونس | A novel complex of samarium on boehmite nanoparticles as an efficient and reusable nanocatalyst for the synthesis of tetrazoles |
| P5-09 | اکبری منظر | Design, preparation and characterization of Zr(O) ₂ @Creatine@KIT-6 nanoparticles as a nanocatalyst for the synthesis of various tetrazole derivatives |
| P5-10 | اکبری منظر | Mesoporous KIT-6 as a support for the immobilization of a palladium organometallic nanocatalyst and its application in C-C coupling reactions |
| P5-11 | فرخی علی | Investigation the impact of surfactant on the stability of nanofluids in the presence of aluminium oxide as an additive in ignition engines |
| P5-12 | فرخی علی | Evaluation of the Specific Ignition Delay Time for the DMAZ with Nanoparticles for the Rocket Engine |
| P5-13 | موسوی سید جواد | New Fluorine Link Cu-V Mixed Ligand-Mixed Metal Nano Coordination Polymers, Study of Antitumor Activity |
| P5-14 | نوری جلال | Modified Sol-Gel Processing of NiCr ₂ O ₄ Nanoparticles; Structural Analysis and Optical Band Gap |
| P5-15 | دارابی میترا | A new Ce-Schiff base complex on modified KIT-6 as a reusable nanocatalyst for the synthesis of tetrahydrobenzo[b]pyrans and sulfoxides |

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| P5-16 | دارابی میترا | Preparation and characterization of MCM-41@Schiff-base@La as a recyclable heterogeneous nanocatalyst for the synthesis of tetrahydrobenzo[b]pyran derivatives and |
| P5-17 | شریفی آرمان | Synthesis of Cu-BTC@Fe ₃ O ₄ nanocomposites for removal of arsenic from water followed by electrothermal atomic absorption spectrometry determination |
| P5-18 | علیجانی مجتبی | Investigation of Electrocatalytic Properties of MnO ₂ -ZnO/rGO Aerogel Nanocomposite |
| P5-19 | حنیفه پور یونس | photodegradation of some organic dyes by Nd-doped pyrotitanate nano-sponges as visible light catalysts |
| P5-20 | وثیق سیدامیر حسین | Synthesis and Investigation of Biological Activity of a Magnetic Nanobiocomposite Based on Functionalized Graphene Oxide Nanosheets by Casein, Zn-Al LDH, and Alginate |
| P5-21 | باغ فر نسترن | The effect of TPP concentration on levothyroxin release from nanoclay/chitosan nanocomposite |
| P5-22 | طهماسبی محمدرضا | Synthesis and characterization of copper bismuth oxide nanostructure by sonochemical method |
| P5-23 | نوروزی معصومه | Aluminium-based ionic liquid grafted on Biochar as a heterogeneous catalyst for the synthesis of 2,3-dihydroquinazolin-4(1H)-one |
| P5-24 | نوروزی معصومه | Cu immobilized on Fe ₃ O ₄ @Biochar nanoparticles: a novel, inexpensive and highly efficient heterogeneous magnetic nanocatalyst for C-O coupling reactions in green media |
| P5-25 | خورشیدی غزاله | Concomitant crystallization of supramolecular isomers: 2-fold interpenetrated and non-interpenetrated coordination polymers |
| P5-26 | خورشیدی غزاله | Tuning the topology from (4,4)-connected to (6,3)-connected net in Cd (II) coordination polymers: synthesis, crystal structure and Hirshfeld surface analysis |
| P5-27 | وجد مریم | In vitro assay of targeted drug delivery platform based on ZIF-67 nanocarrier containing curcumin on MCF-7 cells |
| P5-28 | حبیب زاده سپیده | Antiitch Efficacy of Henna Bioactive Components by Inhibition of Kappa-Opioid Receptors |
| P5-29 | حبیب زاده سپیده | Comparison of the Antiitch Activity of Avenanthramides in Oats Using Molecular Docking Study |
| P5-30 | انصاری پیام | The effect of doping zinc ions on the antibacterial activity of nitrogen-carbon quantum dots |
| P5-31 | صلاحی مینا | N-nicotinyl-N'',N'''-bis (cyclopentyl) phosphoric triamide as an anti-bacterial agent |
| P5-32 | صلاحی مینا | Cu (I) Complex of N-benzoyl, N', N'' -bis (tert-butyl) Phosphoric triamide as an anti cancer agent |
| P5-33 | رجبعلی جماعت پریسا | Investigation of Spin-Charge-Structure in Human Verdoheme Using the DFT Method |
| P5-34 | رجبعلی جماعت پریسا | The First Row Transitional Metals Effects on Stabilization of Biliverdin Complexes, Theoretical Study |

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| P5-35 | سرابی شهریار | Theoretical Kinetics and Thermodynamics study peripheral substituent effects on the hydrolysis of verdoheme |
| P5-36 | شاه نعمت الہی شکیلا | Evaluating anticancer activity and DNA-binding properties of cycloplatinated (II) water-soluble complexes |
| P5-37 | حاجی محمدی مہدی | Singlet oxygen effect on lipid oxidation in the presence and absence of synthetic/natural antioxidants, using sheep erythrocyte hemoglobin |
| P5-38 | مالکی قاسم | Post-synthetic metal exchange on an amine-functionalized zinc coordination polymer for hydrogen sulfide capture |
| P5-39 | مالکی قاسم | Post-synthetic modification of a 2D water-stable Zn-MOF; from exfoliated nanosheets to the formation of 3D supramolecular structure functionalized by acid/base groups |
| P5-40 | حسنی مہسا | Design and synthesis a highly selective chromogenic prob based on hydrazide schiff base reagent for naked eye detection of CN^- and AcO^- ions and its application in real samples |
| P5-41 | بیرانوند شیما | Immobilization of tris hydroxyaminomethyl methane on hercynite MNPs as a magnetically recoverable organocatalyst in the synthesis of tetrahydrobenzo[b]pyran derivatives |
| P5-42 | ہاشمی نگاہ | Reaction between nickel hydroxide and cerium(IV) ammonium nitrate in aqueous solution |
| P5-43 | چشمہ خاور امیر حسین | Photocatalytic wastewater purification under visible light irradiation using multi-doped TiO_2/rGO cross-linked 3D aerogel; Mechanistic catalytic experiments and cytotoxicity assessment |
| P5-44 | چشمہ خاور امیر حسین | Electron flux at the Schottky junction of Bi NPs and MoS_2 -supported RGO for degradation of Tetracycline |
| P5-45 | جاوید اودولو شیوا | A new tetra-coordinated copper(II) complex: Synthesis, characterization, DFT studies and investigating interaction with Biomacromolecules |
| P5-46 | جاوید اودولو شیوا | Synthesis and characterization of the copper(II) complex of a new β -amino alcoholic ligand in the presence of the 4,4-bipyridine supported by molecular docking |