

IIZC 5 Time Schedule



Title	Authors	Presenter	Num.
Sunday August 26, 2018, Section A		11.00 – 12.00	
Application of Zeolites			
A Comparative Study on Catalyst Deactivation of Platinum Incorporated Mesoporous Catalysts Modified by HZSM-5 for Removing Toluene as a Volatile Organic Compound	M. H. Peyrovi, N. Atashi, N. Parsafard	Atashi, N	A1
Kinetic Study for Catalytic Oxidation of Toluene as a Volatile Organic Compound Using Platinum Supported Catalysts	M. H. Peyrovi, N. Atashi, N. Parsafard	Atashi, N	A2
Investigation of Performance of Impregnated Zeolite Catalysts for Biodiesel Production	S. Mohebbi, M. Rostamizadeh	Rostamizadeh, M	A3
Performance Comparison of HZSM-5 and SAPO-34 Catalysts for Conversion of Methanol to Light olefins	L. Shirazi, K. Sharifi, Z. Taheri	Shirazi, L	A4
Catalytic Upgrading of Iranian Vacuum Residue on Alkali-treated ZSM-5 Zeolite: Viscosity Reduction	S. Safari, R. Karimzadeh	Safari, S	A5
Removal of Mixed Heavy Metal Ions in Ternary Aqueous Solution Using Functionalized MCM-41 Synthesized by Microwave Hydrothermal	S. Khademi, M. Hamadani, B. Roozbehani	Khademi, S	A6
Hydrothermal Synthesis of H-ZSM-5 Catalysts Employing Mixed Template Method and its Application in Conversion of Methanol to Light Olefins	F. Gorzin, J. Towfighi Darian, F. Yaripour	Gorzin, F	A7

Zeolites as Supports for the Gadolinium and Iron Oxide Nanoparticles Based MRI Contrast Agents	N. Gharehaghajia , B. Divband	Gharehaghaji, N	A8
Effect of SiO₂/Al₂O₃ Ratios on the Activity of Fe-ZSM-5 Nano Catalysts in the Catalytic Oxidation of Toluene	A. Jodaei	Jodaei, A	A9
Effects of Calcination Temperature on Catalytic Activities of Ag/ZSM-5 Catalyst for Catalytic Oxidation of Toluene	A. Jodaei	Jodaei, A	A10
Zeolite as Antibacterial Agent for Active Packaging of Food	L. Rafiei, M. Azizi-lalabadi, A. Ehsani, B. Divband	Rafiei, L	A11
The Effect of ZSM-5 Zeolite on Membrane Bioreactor Performance and Transmembrane Pressure	Z. Sajadian, H. Hazrati, M. Rostamizadeh	Hazrati, H	A12
Preparation of ZSM-5 Nanocrystals as a Green Acid Catalysis for the Synthesis of 2,3-dihydroquinazolin-4(1H)-ones	R. Teymuri, J. Safaei-Ghomi	Teymuri, R	A13
Synthesis of K-SAPO-34 and Ag-SAPO-34 Nano-catalysts for Methanol to Olefins (MTO) Process	M. Ghadiri, K. Mirza, M. Haghghi, A. Rahmati	Ghadiri, M	A14
Effect of Incorporating ZnO Nanoparticles into Orthodontic Composite Resins on Shear Bond Strength	M. Kachoei, B. Divband, M. Esmailzadeh, M. Rahbar, M. Ghanizadeh	Esmailzadeh, M	A15
The Study of Stability and Coke Deposition of Micro, Meso, and Micro/mesoporous supported Ni Catalysts for Toluene Hydrogenation	Z. Mohammadian , M. H. Peyrovi, N. Parsafard	Mohammadian, Z	A16
Removal of drug from aqueous solution using zeolitic imidazolate framework including Iron (Fe-ZIF-8)	S. Amani, M. Rostamizadeh	Rostamizadeh, M.	A17
Methanol to Highly Aromatic Gasoline Reaction over Ultrasound Assisted Co-impregnation Cu and Zn/HZSM-5 catalyst	Z. Taheri, E. Aghaei, L. Shirazi	Taheri, Z	A18

Heterogeneous Electro-Fenton and Electro-Fenton-like process catalyzed by promoted ZSM-5 zeolite: effect of promoter nature	S. Gharibian, M. Rostamizadeh, H. Hazrati	Hazrati, H	A19
Investigation on the Gross Teratopathogenic and Embryotoxic Effects of Nanozeolite on Chick Embryos in Ovo Environment	M. R. Amini, M. Hejazy, G. Akbari, M. Moradi	Hejazy, M	A20
Evaluation of Nanozeolite Administration on Viability and Development of Embryos Chicken Model	M. R. Amini, M. Hejazy, G. Akbari, B. Divband	Hejazy, M	A21
Removal of Abamectin from Wastewater by Iron-modified Bentonite	M. Moosavifar, M. Dibazar, T. Sharifi	Dibazar, M	A22
Removal of Abamectin from wastewater by iron-modified kaolin	M. Moosavifar, M. Dibazar, T. Sharifi	Sharifi, T	A23
The efficiency of surfactant-modified zeolite ZSM-5 for oxidative desulfurization of dibenzothiophene	S. Shouhani, N. Rahemi, S. Allahyari	Shouhani, S	A24
Preparation of Solid hybrid catalyst (HY@NH₂@SO₃H) and its application in synthesis of coumarin	M. Zendehtdel, F. Tavakoli	Tavakoli, F	A25
Effect of aging types on the purity and particle size of synthesized NaX via hydrothermal method	R. Javani, S. Darvishi Gilan, A. A. Babaluo	Javani, R	A26
A Temperature Programmed Desorption (TPD-CO₂) Investigation on NaY, DEA-NaY and Aminosilane-NaY	M. Tajbakhsh Jadidi, M. Fakhimi Abarghouei, H. Alinejad, K. Niknam	Fakhimi Abarghouei, M	A27
Investigation of Different Synthesized Zeolite Types with High Capacity of Moisture Absorption: A Review	A. Ranjbar Koh Farhadi, N. Rahemi, S. Allahyari, A.	Ranjbar Koh Farhadi, A	A28

	Beygi, S. Shouhani		
Adsorption kinetics of Industrial Colors from Wastewater Using Surfactant-Modified Clinoptilolite	A. Froghirad, M. Ghaderzadeh, M. Moutab, K. Farhadi, A. Bahrami	Froghirad, A	A29
Preparation of ZSM-5 nanocrystals as a green acid catalyst for solvent-free synthesis of pyrimidinones	A. Bakhtiari, J. Safaei-Ghomi	Bakhtiari, A	A30
The Effect of Ag-Zn Zeolite on Antibacterial Properties and Setting Time of Dental Composite Resins	F. Dabaghi- Tabriz, B. Divband, M. Rahbar, M. Mahmoodabad i	Dabaghi-Tabriz, F	A31
Arsenic Removal from Wastewater Using a Low Cost Adsorbent Based on Natural Zeolite: Comparative Study	L. Sanaei, M. Tahmasebpoor , M. Khatamian, B. Divband, A. Mokhtari	Tahmasebpoor, M	A32
Natural Zeolites			
Preparation of Zeolite A /Epoxy Nanocomposites by Ultrasonic Dispersion and Enhanced Thermal Properties	S. Khademi, M. Hamadaniana, B. Roozbehani	Khademi, S	A33
Chemical modification of bentonite with hydrochloric acid leaching under ultrasound radiation	R. Shahi, M. Khatamian, B. Divband	Shahi, R	A34
Use of Nano-Clays as a topical hemostatic agent in animal model	S. Javanmardi, M. Moradi Arzlou, B. Divband	Moradi Arzlou, M	A35
Introduce Nano Cu on Bentonite and Investigation of Antibacterial properties	P. Maleki, Z. Mortezaei, M. Zendehdel	Maleki, P	A36

Clinoptilolite vs Bentonite as Support of Silicotungstic Acid in Photodegradation of Wastewater	S. Rastegar, S. Allahyar, D. Kahforooshan, N. Rahemi	Rastegar, S	A37
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Degradation of Methylene Blue using Mordenite Based Silicotungstic Acid Photocatalyst	S. Rastegar, S. Allahyar, D. Kahforooshan, N. Rahemi	Rastegar, S	A38
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Molecular Sieves

Adsorptive removal of tetracycline from aqueous solution using TiO₂/MCM-41 nanocomposite	M. Khanmohammadi, F. Rahmani, J. Rahbar Shahrouzi	Khanmohammadi, M	A39
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Shaping of Zeolite 4A by Binderless Process	M. Rezaie	Rezaie, M	A40
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Shaping of Zeolite 4A by Binder Process	M. Rezaie	Rezaie, M	A41
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LDH

Synthesis of Nickel Tungstate /Nickel-Gallium-Layered Double Hydroxide Nanocomposites as Electrode Material in Supercapacitors	S. Sanati, Z. Rezvani	Sanati, S	A42
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Graphene Quantum Dot/NiFe Layered Double-Hydroxide Composite as a Highly Efficient Electrocatalyst for Water Oxidation	L. Jafari Foruzin, Z. Rezvani, Habibi	Jafari Foruzin, L	A43
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Photocatalytical Water Oxidation by TiO₂/MMO Nanocomposites under Visible Light Irradiation	L. Jafari Foruzin, Z. Rezvani	Jafari Foruzin, L	A44
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The effect of amines in the synthesis of layered double hydroxides	A. Mokhtari, Z. Kianinejad, M. Fazayeli	Mokhtari, A	A45
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Computational Chemistry

Preferential Siting of BEA, FAU, MOR, and MFI Zeolite Frameworks for Adsorbed Phenol: A Monte Carlo Study	F. Ektefa, S. Javadian	Ektefa, F	A46
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Calculation of Heat Capacity of Clathrate Hydrate by Molecular Dynamics Simulations	H. Ghafari, H. Mohammadi-manesh	Mohammadi-manesh, H	A47
Molecular Dynamics Simulations of Hydrogen Bonding in sI Clathrate Hydrates with Ethylene oxide and Cyclopropane Guest Molecules	H. Ghafari, H. Mohammadi-manesh	Mohammadi-manesh, H	A48
Host-Guest chemistry of porous materials			
Novel Approach to the Synthesis of Polyhydroquinolines and Dihydropyridines Derivatives Using SBA-15/SO ₃ H Nanoreactor as a Highly Efficient and Reusable Catalyst	M. Dalili, S. Rostamnia	Dalili, M	A49
Pd@SBA-15/PrEn as an efficient, active and selective phosphine-free hybrid catalyst for the water medium Suzuki-Miyaura cross-coupling process	M. Dalili, H. Alamgholiloo, S. Rostamnia	Dalili, M	A50
A Review Study on photocatalytic activity of a series of modified zeolites in removal of dye contamination	M. Moosavifar	Moosavifar, M	A51
Monday August 27, 2018, Section B		10:50 – 11:40	
Zeolite based nanotechnologies			
Esterification of Oleic Acid for Biodiesel Production Catalyzed by Fe ₃ O ₄ @ZIF-8@TiO ₂ Composite	A. Moatamed Sabzevar, M. Ghahramaninezhad, M. Niknam shahrak	Niknam shahrak, M	B1
Synthesis and Identification of Pd ²⁺ /ZnO/HZSM-5 Nanocomposite and Study of its Photocatalytic Activity	B. Divband, M. Khatamian, R. Shahi	Divband, B	B2
Synthesis of γ-alumina from Nepheline syenite ore	S. Khadivi derakhshan, N. Kamrani, B. Divband, M. Khatamian, H. Kakili	Khadivi Derakhshan, S	B3
Preparation and Characterization of Nano Mn ₂ O ₃ and Mn ₂ O ₃ /Zeolite A Composite	N. Kamrani, S. Khadivi derakhshan, H. Kakili, M.	Kamrani, N	B4

	Saket, M. Khatamian		
Synthesis and Characterization of Iron Hydroxide-Zeolite Nano Composites	S. Gholizadeh, M. Khatamian, M. Tahmasebpoor , B. Divband, A. Mokhtari	Gholizadeh, S	B5
Synthesis and Characterization of Zeolite Nano-Particles Impregnated Polyethersulfone Membranes by Electrospinning	F. Hossein Nouri, M. Zendehdel	Hossein Nouri, F	B6
Application of Nano Zeolite in Food Packaging	M. Azizi- lalabadi, L. Rafiei, A. Ehsani, B. Divband	Azizi-lalabadi, M	B7
Synthesis and Characterization of HY Zeolite @N-Cu	Z. Mortezaei, M. A. Bodaghi Fard, M. Zendehdel	Mortezaei, Z	B8
Synthesis and Characterization of Zeolite/Hydroxyapatite Nanocomposite, using in the Removal of Cr⁶⁺ from Aqueous Solution	A. Rezaei, M. Zendehdel	Rezaei, A	B9
Synthesis and Characterization of Aluminium-free MFI-type Cobaltosilicates using Hydrothermal Method	A. Mokhtari, M. Khatamian, Azin Yavari	Mokhtari, A	B10
Medical applications of zeolites	M. Moradi, S. Javanmardi, M. Ashrafizadeh, A. Faramarzpour	Moradi, M	B11
Synthesize, Evaluation of Antibacterial and Antibiofilm behavior of Nano Silver Chloride on Acinetobacter baumannii	Z. Akhgari, A. Tanomand	Akhgari, Z	B12
Synthesis of AgCl nanoparticles functionalized on IL based SBA-15 as an effieint nanocatalyst for antibacterial and antibiofilm behavior on klebsiella pneumonia	Z. Akhgari, A. Tanomand	Akhgari, Z	B13

Synthesis and Characterization of Zeolite and Ionic Liquid Hybrid Material	S. Ganji, S. khaghani nezhad, M. Zendehtdel	Ganji, S	B14
Preparation and characterization of graphene oxide / Mn ₂ O ₃ nanocomposite and study of its photocatalytic properties	M. Khatamian, M. Saket, H. Kakili, N. Kamrani, S. Khadivi Derakhshan	Kakili, H	B15
Preparation and characterization of SAPO-34 zeolite nanocatalysts using diethyl amine (as template)	M. Ghadiri, K. Mirza, M. Haghighi, A. Rahmati, S. Abbaspour	Ghadiri, M	B16
Performance of natural zeolite for removal of lead: A review	F. Zare Pakzad, M. H. Sarrafzadeh, B. Divband	Zare Pakzad, F	B17
Synthesis of Mesoporous Materials			
HFIP/SBA-15 as a Metal Free Catalyst for Synthesis of Rhodanines	H. Mohtasham, S. Rostamnia	Mohtasham, H	B18
Production of low cost and effective porous adsorbent from Iranian kaolin by sonication for recovery of wastewater contaminated by cationic dye	M. Foroughi, S. Hamedgolzar, A. Salem	Foroughi, M	B19
Electrodeposition of Mesoporous Nickel Film using Lyotropic Liquid Crystal Template	S. Barzegar, F. Nasirpouri	Barzegar, S	B20
Application of Porous Gd ₂ O ₃ Nanoparticle as MRI Contrast Agent	N. Gharehaghaji, F. Bakhtiari Asl, B. Divband	Bakhtiari Asl, F	B21
Activity Evaluation of Mesosilicate Supported Nickel Catalysts in Vapor Phase Hydrogenation of Benzene	Z. Mohammadian, M. H.	Mohammadian, Z	B22

	Peyrovi, N. Parsafard		
Synthesis of NaHSO ₄ modified periodic mesoporous organosilica magnetic nanoparticles	M. Haghghat, M. Golshekan, F. Shirini	Haghghat, M	B23
Ag/AgCl/Zeolite (A) (LTA) Nanocomposite: A Highly Efficient and Stable Photo Catalyst Active under Visible Light	S. Hatef Tabar, M. R. Fakhri	Fakhri, M R	B24
Synthesis of Fe ₃ O ₄ @MCM-41@Zr Modified with Piperazine as a New Mesoporous Nanocomposite	R. Pourhasan- Kisomi, F. Shirini, M. Golshekan	Pourhasan- Kisomi, R	B25
Mesoporous Magnetic Graphene Oxide Nanocomposite as a Targeted Drug Carrier; Synthesis and Characterization	M. Pooresmaeil, H. Namazi	Pooresmaeil, M	B26
Loading Cobalt Phthalocyanine onto Graphene Oxide and Modified Graphene Oxide for Construction of Photoactive Catalyst	M. Ghaeini, M. A. Zanjanchi	Ghaeini, M	B27
Synthesis of Zeolite NaY from Rice Husk Ash with Ultrasound Aging and Conventional Aging	M. Askari, E. Aghaei, R. Karimzadeh	Askari, M	B28
Preparation of Mesoporous Nano-Silica (MNS) as Adsorbent	J. Rahimpour, M. H. Alibenhamid, A. Z. Aroguz	Rahimpour, J	B29
Synthesis of Mesoporous Superparamagnetic Ferrite Nanoparticles (Fe ₃ O ₄) Using Lyotropic Liquid Crystal Phase Templates	S. Fallah, F. Nasirpouri	Fallah, S	B30
Synthesis of Zeolite from Coal Waste Ash by Hydrothermal Method using Alkaline Source	R. Gholinejad, E. Kamali, J. vahdati, S. Mollazadeh	Gholinejad, R	B31
Cooperative catalytic performance of SBA-15 and TFE in selective oxidation of sulfides	H. Mohtasham, A. Ahadi, S. Rostamnia	Mohtasham, H	B32

SBA-15/SO₃H nanoreactor and ultrasonic combination as a novel, ultra-fast, waste-free green catalytic system	A. Ahadi, S. Rostamnia	Ahadi, A	B33
MOF			
The effects of incorporation of silver-zeolite on antibacterial efficacy, setting time and calcium release properties of mineral trioxide aggregate	F. Dabaghi-Tabriz, B. Divband, M. Rahbar, A. Bahramian, M. Esmailzadeh	Rahbar, M	B34
Stepwise Immobilization of Palladium Complex on to the Metal-organic Framework for Suzuki Cross-coupling Reaction	H. Alamgholiloo, M. Dalili, S. Rostamnia	Alamgholiloo, H	B35
Fe₃O₄-encapsulated ZIF-8 as a Novel Catalyst for Oxidative Desulfurization of a Model Fuel	H. Kargar, M. Ghahramaninezhad, M. Niknam Shahrak	Niknam shahrak, M	B36
IRMOF-3 as a heterogeneous nanocatalyst for Kabachnik–Fields three-component reaction	A. Ahadi, H. Mohtasham, S. Rostamnia	Ahadi, A	B37
Synthesis and Characterization of Iron-based Metal-Organic Framework MIL-53	R. Johnny, A. Ahmadpour, M. Ghahramaninezhad, T. Rohani Bastami	Johnny, R	B38
Metal Organic Frameworks As an Adsorbent For Water Contaminants	E. Z. Lotfi, M. R. Fakhri Heravi, A. Rostamiiranagh	Fakhri, M. R.	B39
Ethylenediamine Grafting on MIL-101(Cr) as an Efficient Catalyst for the Hantzsch Condensation Reaction	H. Alamgholiloo, S. Rostamnia	Alamgholiloo, H	B40
Combining of Catalytic Properties ZIF-8 and Fluorinated Alcohol Solvents (FAS) for N-formylation Reaction	M. Farajzhadeh,	Farajzhadeh, M	B41

	H. Alamgholiloo, R. Banaei, S. Rostamnia		
Efficient adsorption and photocatalytic degradation of Congo Red by Zeolitic Imidazolate Framework-8-encapsulated POM	F. Akbari , M. R. Mozdianfard, M. Niknam Shahrak, A. Ayati	Niknam shahrak, M	B42
Metal-organic Frameworks: Synthesis and Application as a Drug Delivery System	M. Pooresmaeil, H. Namazi	Pooresmaeil, M	B43
Comparison of Congo red removal by a metal-organic framework in the presence of oxidizing agent & light	M. Rahim Soroush, A. Tarlani, R. Malek Mohammadi	Rahim Soroush, M	B44
Adsorptive Removal of Antibiotic Drugs from Contaminant Water by ZIF-8	R. Malek Mohammadi, M. Rahim Soroush, A. Tarlani	Malek Mohammadi, R	B45
Photodegradation of Methyl Orange Using ZIF-8 from Aqueous Solution	R. Malek Mohammadi, M. Rahim Soroush, A. Tarlani	Malek Mohammadi, R	B46
Adsorption Behavior of HKUST-1 for Methylene Blue Decoloration from Contaminated Water	M. Rahim Soroush, A. Tarlani, R. Malek mihammadi	Rahim Soroush, M	B47
Application of HKUST-1@GO Nanocomposite for the Removal of Lead from Wastewater	S. Alqaisi, A. Ahmadpour, M. Ghahremanine zhad, T. Rohani Bastami	Alqaisi, S	B48

MMMs

Application of graphene quantum dots for drug delivery of anticancer Z. Kianinejad **Kianinjad, Z** **B49**

Potential Application of Graphene Quantum Dots Z. Kianinejad, A. Mokhtari **Kianinjad, Z** **B50**

Hierarchical and Hollow Zeolites

Synthesize of Cu⁰/Clinoptilolite and Investigation of Antibacterial properties Z. Kalateh, Z. Mortezaei, P. Maleki, M. Zendehtel **Maleki, P** **B51**

Removal Efficiency, Kinetic and Isotherms of dyes onto Natural Zeolite, Manisa, Turkey J. Rahimpour, D. Lacin, F. Esenli, A. Z. Aroguz **Rahimpour, J** **B52**



We are looking forward to meeting you

INTERNATIONAL ZEOLITE CONFERENCE