

14th Biennial Electrochemistry of Iran

Poster Session 1: Aug 29, 2021, Sunday, 11:00-11:45 AM



No	Title	Presenter
1	An Electrochemical Sensor for Famotidine in real samples by using a carbon paste electrode modified with reduced Graphene Oxide and Cu ₂ O Nanocomposite	Mandana Amiri
2	Design of electrochemical sensor based on copper oxide/N-doped reduced graphene oxide nanocomposite and ionic liquid for the determination of 4-aminophenol	Mostafa Poursoltani
3	Non-enzymatic Textile Glucose Sensor Based on Fe Doped CuO	Ghasem Abdollahi
4	Determination of Sulfanilamide by Voltammetric Method Using Modified Glassy Carbon Electrode	Faeze Ashoor Mahani
5	Voltammetric Behavior of Doxorubicin at a Modified Glassy Carbon Electrode and its Determination in Real Samples	Maedeh Mahjoub
6	Preparation of GCE Modified with CuS Nanoparticles and its Application in Voltammetric Determination of 5-Fluorouracil	Maedeh Mahjoub
7	An Electrochemical Sensor Based on Modified Glassy Carbon Electrode for the Determination of the Anti-Cancer Drug Methotrexate	Faeze Ashoor Mahani
8	Determination of MIR-200a as a Biomarker of Ovarian Cancer Using a ZnS Quantum Dots-Based Label Free Electrochemical Genosensor	M. Moazampour
9	Development of a wireless feeding system for highly efficient electro-photocatalytic degradation of organic pollutants from aqueous solutions	Afsaneh Azhdeh
10	Development of Carbon Paste Electrochemical Sensors Modified with Molecular Imprinted Polymers and Gold Nanourchins for determination of Chlorpyrifos	F. Beigmoradi

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No	Title	Presenter
11	Ag doped NiO based non-enzymatic electrochemical sensor for human sweat glucose detection	Tannaz Gholamrezaei
12	Application of Metal Oxide Nanoparticles for Electrochemical Determination of Creatinine	Sayed Ahmad Mozaffari
13	Electrochemical Evaluation of Metal Oxide Thin Film in Creatinine Detection	Mohammad Mazloun-Ardakani
14	Applicability of Aptamer-MIP Hybrid Receptor as a Sensing Interface in Fabrication of Ractopamine Aptasensor	Mahsa Ghanbarzadeh
15	Azolla-modified electrode for trace determination of four phthalic acid esters in aqueous samples via response reduction of Fe ²⁺ / Fe ³⁺ pairs	shahab shariati
16	Electrochemical Sensing of Indole in Plasma Based on Pd Nanoparticles Modified Metal-Organic Framework Cr-MIL-101/Ionic Liquid Sensor	Sara Dehdashtian
17	An Electrochemical Sensor Based on a 3D Spongin Scaffold-MnO ₂ Nanostructured Composite for Sensing of Xanthine	Mohammad Hossein Ghanbari
18	Design and Fabrication of an Electrochemical Sensor for Cortisol Determination	Farnoush Faridbod
19	Fabrication of a new electrochemical imprinted sensor for determination of ketamine based on modified polytyramine/sol-gel/f-MWCNTs@AuNPs nanocomposite/ pencil graphite electrode	Gholam Hossein Rounaghi
20	Electrochemiluminescence sensor for determination of antibiotic Ceftazidime	Mandana Amiri

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21	Electrochemical Determination of Tramadol Using Carbon Paste Electrode Modified with Nanoparticles of CdS and Graphene	Nasrin Soltani
22	A New Electrochemical Sensor Based on Carbon Paste Electrode Modified by Kaolinite Nanoparticles to Measure Mefenamic Acid	Nasrin Soltani
23	Early detection of multiple sclerosis (MS) as a neurodegenerative disease using electrochemical nano-aptasensor	Ms Sepideh Shariati
24	Design an electrochemical immunosensor for the detection of prostate specific antigen by a voltammetric method based on the multiwalled carbon nanotube/L-histidine functionalized reduced graphene oxide nanoplatform	Leila Farzin
25	Electrochemical genosensor based on carbon nanotube/amine-ionic liquid functionalized reduced graphene oxide nanoplatform for detection of human papillomavirus (HPV16)-related head and neck cancer	elham mohagheghpour
26	Voltammetric determination of insecticide thiodicarb based on molecular imprinted polymer	solmaz kia
27	Designing a flexible and wearable glucose sensing platform based on Nickel-Cobalt sulfide synthesized via Microwave-assisted method	Saeed Shahrokhian
28	electrochemiluminescence sensing of L-tryptophan based on graphitic carbon nitride nanosheets	Morteza Hosseini
29	Electrochemical Evaluation of a new Affinity-Based Platform for Bio-macromolecular Sensing	Sayed Ahmad Mozaffari
30	Electrochemical detection of melatonin in body fluids based on graphitic carbon nitrides (g-C ₃ N ₄)	Farnoush Faridbod

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31	Electroanalytical Determination of Carbendazim in Orange Juice Samples using Molecularly Imprinted Polymer based Gold Nanourchins Modified Carbon Paste Electrode	F. Beigmoradi
32	MoS ₂ /S-doped Graphitic Carbon Nitride Composite Electrode as a Sensitive Folic Acid Sensor	Mahdieh Chegeni
33	Electrochemical Sensor Based on Imidazole Zeolites (ZIFs) and Gold Nanoparticles for the Determination of Nitrite	Elhameh Saeb
34	Electrochemically Synthesis of Tungstate Bimetallic Nanoparticles; Application to Electrocatalytic Determination of Paracetamol	Somayeh Azizi
35	Electrochemical Water Oxidation by Mo and Mo/Au Nanoparticles Supported on Core-Shell Magnetic Nanoparticles	M. Khodabandehlou
36	Study and Measurement of Valine and Evaluation of Its Parameters on The Surface of Glassy Carbon Electrode	Elaheh Garazhian
37	Investigation and Evaluation of Electrochemical Behavior of Glycine on The Surface of Glassy Carbon Electrode	Elaheh Garazhian
38	Determination of fexofenadine by voltammetry method at screen -printed electrode modified by graphene oxide nanosheets	Abolfazl Darroudi
39	Electrochemical Determination of Silymarin Using a Glassy Carbon Electrode Modified by Boron Nitride Nanosheet (BNNS-GCE)	Forouzan Shokri
40	Electrochemically induced cycloaddition reaction via anodic oxidation of acetaminophen in the presence of nucleophilic carbon compounds	Hamid Salehzadeh

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Poster Session 2: Aug 29, 2021, Sunday, 16:00-16:45 AM

No	Title	Presenter
1	Fabrication of a pH-sensitive Coating Based on the Metal-Organic Framework of Caffeine@MIL-100 (Fe) as a Smart Anti-Corrosion Coating for Stainless Steel	Zahra Akhavan Bahabadi
2	Electrochemical Synthesis of a new Metal-Organic Framework for Oxidation Processes	Vahid khakyzadeh
3	Electrochemical Modification of Carbon Electrode and Investigating of Its Catalytic Performance	Vahid khakyzadeh
4	A new Cobalt Modified Electrode for C-S Cross Coupling Reaction	Vahid khakyzadeh
5	Electrochemical alkylation of organic compounds	Sara Torabi
6	Photochemical Deposition of Silver Nanoparticles on TiO ₂ Nanotubes and Its Application for the Electrocatalytic Determination of Tinidazole	Fereshteh Koochi
7	Clicked graphene oxide supported cobalt-polyoxometalate: An efficient water oxidation electrocatalyst	Samaneh Shahsavarifar
8	Divergent Paired Electrosynthesis of Organic Compounds by the Co/Ni-BTC bi-Metallic MOF modified Electrodes	Fateme Ghaemi
9	Electrochemical Assay of diclofenac on an Ionic Liquid/MWCNTs Nickel Hexacyanoferrate Heterogeneous Electrocatalyst	Sajjad Damiri
10	Rapid and efficient electrochemical synthesis of a copper-based metal organic framework	Eshagh Irandoost

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No	Title	Presenter
11	Electrochemical Study of 4-amino-N-(4-aminophenyl)benzenesulfonamide	Mohammad Reza Talebi
12	A review of the application of non-noble metals as electrocatalysts in the oxidation of methanol	Alireza momeni tootkaleh
13	Adsorptive stripping voltammetric assay of Octogen explosive on MWCNTs-Ag nanocomposite electrode	Sajjad Damiri
14	A Comprehensive Study for Electrochemical Behavior of Hazardous Pesticide Fenitrothion in Aqueous Solutions	Mahsa Roshani Farahani
15	Electrochemical Behavior and Oxidation Mechanism of Hydroxychloroquine as a Drug Treating COVID-19 in Aqueous Solutions	Parva Ashrafi
16	A Chemometric-Assisted Voltammetric Method for Simultaneous Determination of Acetaminophen and Diclofenac	Neda Azish
17	Electrochemical Synthesis of New Organic Compound Based on The Oxidation of 4-tert-Butylcatechol in The Presence of Desloratadine	Faezeh Zivari-Moshfegh
18	Process Optimization and Degradation Pathway for Electrocatalytic Degradation of 2,4,6-Trinitrophenol by Graphite Modified Lead Dioxide Anode	Mitra Zargarian
19	Electrochemical Dimerization of 4-phenylhydrazin sulfonamide hydrochloride	Haidar Arkawasi
20	Electrochemical Generation of Aryl Diazonium and Polymerization by Radical Initiator, Electropolymerization and Characterization of Acrylic Acid	Ali Sadatnabi

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21	Determination of the herbicide paraquat using the new Ag-GO/CuO/GCE modified glassy carbon electrode by DPV	Abdollah Yari
22	Electrochemical Determination of Diclofenac Using a Pencil Graphite Electrode Modified with Halloysite Capped Gold-Palladium Bimetallic Nanoparticles	Mahdi Ozgoli
23	Electrocatalytic oxidation and determination of paractamole onto functionalized reduced graphene oxide: electrochemical and computational study	Saeideh Poorhadi
24	High Performance Electrocatalyst for Electrocatalysis of Oxygen Reduction Reaction by Carbonized ZIF-67 Support	Reza Ojani
25	The Electrochemical Study of Hydroquinone in The Presence of 2-Amino-5-mercapto-1,3,4-thiadiazole as Nucleophile: a Green Strategy to Synthesis a Novel Thiadiazole Derivative	Hossein Masoumi
26	Electrochemical Behavior of 1-(4-Nitrophenyl) Piperazin	Atefeh Zamani moghadam
27	Synthesis and charactrization of new metal oxide nanostructures for ozone generation with high_efficiency electrochemical methodl	Javad Maleki
28	Electrochemical Study of 2,4-Dinitrophenylhydrazine	Asma Rashidi
29	Green Strategy for The Synthesis of Fluorinated Derivatives of p-Methylaminophenol	Fereshteh Javanmardi
30	Electrochemiluminescence-based Nanozyme for Prostate-Specific Antigen using the Luminol-loaded Graphitic Carbon Nitride Nanosheets (C ₃ N ₄ NS)-encapsulated NH ₂ -MIL(53)-Fe	Seyyed Mehdi Khoshfetrat

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Poster Session 3: Aug 30, 2021, Monday, 10:30-11:15 AM

No	Title	Presenter
1	Coating the Negative Electrode Surface of Lead Acid Battery with a Layer of Carbon Composite for the Purpose of Ultra-battery Design	Ali Hamzehloei
2	Preparation of vanadium-copper nanocomposite as a nanocatalyst anchored on carbon nanofibers to modification of cathode and improvement in rechargeable Li-CO ₂ batteries performance	Mehdi Hosseini
3	Hydrothermal Assisted Formation of Cu ₂ SnO ₄ Nanoparticles as a High-Performance Electrode Material for Supercapacitors	Mona Farahpour
4	A Carbon Sandwich Anode with FeS ₂ Decorated S, N Co-doped Graphene Quantum Dots For High Performance Microbial Fuel Cells	Maryam Farahmand Habibi
5	Investigation the effect of acid content of positive active material on the characterizations of lead acid battery	Ali Hamzehloei
6	Mild Hydrothermal synthesis of Nanostructured Copper Di-Selenide as Binder-free Electrode Materials for Supercapacitors	Younes Naghipour
7	Electrodeposition of Ni-Fe on graphite rod as an efficient and binder-free electrocatalyst for overall water splitting	Arezo Abdollahi
8	Synthesis of Organic Inorganic Hybrid Coating Containing SiO ₂ Nanoparticles Via Sol-Gel Process	Mohamad Hossein Hedayatzadeh
9	Corrosion Protection Coating Using Commercial Epoxy Resin	Mohamad Hossein Hedayatzadeh
10	Electrodeposition Of G-C ₃ N ₄ /MoS ₂ Nanocomposites for Application In Bulk Heterojunction Polymer Solar Cells	dilmona marserosians

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No	Title	Presenter
11	Chemical and electrochemical synthesis of vanadium pentoxide for application in supercapacitors	Niki Latifi
12	Sunflower Petal Extract as an Anticorrosion Agent to Protect Carbon steel in The HCl Solution	Hossein Khoshsang
13	Electrochemical Hydrogen Generation by Silver-Palladium Coated Nickel Foam	Hossein Khoshsang
14	Vanadium oxysulfide spheres on cobalt-cobalt sulfonitride nanosheets as efficient bifunctional electrocatalyst for oxygen and hydrogen evolution reaction	Parvin Asen
15	Electrodeposition of nanoporous nickel selenide on graphite rod as a bifunctional electrocatalyst for overall water splitting	Morteza Arabi
16	Fabrication and Design of New Redox Active Azure A/3D Graphene Aerogel Electrodes for Supercapacitor	Tahereh Sadeghian Renani
17	Fabrication and Design of New Conductive Trypan Blue–Nickel MOF Nanosheet Array Electrodes for rechargeable battery	Tahereh Sadeghian Renani
18	Electrochemical deposition of V ₂ O ₅ nanorods for application in polymer based solar cells	Fatemeh Hasannezhad
19	Preventing Corrosion In Pipes By Treating Water In Crude Oil Emulsion Using Silica Modified By Cationic Surfactant	Alireza Ramezani
20	Investigation the Effect of expander content on the cycle life of lead acid battery	A. Hamzehloei

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No	Title	Presenter
21	SiO ₂ /N-doped graphene composite derived from metal organic framework as anode in lithium-ion batteries	Mohammad Moslemi Varaki
22	Novel electrocatalysts for borohydride fuel cells: enhanced power generation by optimizing Bimetallic Ni-Co nanoparticles on Nickel Foam (NF)/ reduced graphene oxide	Karim Asadpour-Zeynali
23	Evaluation the conductivity behavior of E7 nematic liquid crystal doped with MgMn ₂ O ₄ nanoparticles	Maryam Ebne Alipour
24	Preventing Corrosion in Pipes By Treating Water In Crude Oil Emulsion Using Silica Modified By Cationic Surfactant	Alireza Ramezani
25	Electrochemical characterization of binuclear ruthenium (II) complex towards application in light-emitting electrochemical cells (LECs)	Alireza Ramezani
26	Facile synthesis of NiMgMn ₂ O ₄ composite as a high-Performance electrode for Mg-ion battery	Ali Zeinodiny
27	Fabrication of stable and low-cost HTM-free full mesoscopic CH ₃ NH ₃ PbI ₃ perovskite solar cell containing ZrO ₂ as spacer layer	Ahmad Samadifar
28	Electrooxidation of Ethanol on non-precious electrocatalyst 3D CoCu-MOF material	T. Mohammadi
29	Organic acid doped polypyrrole - natural Ilmenite (FeTiO ₃) nanocomposite on Titanium substrate as an efficient photoanode for solar photoelectrochemical water splitting	Shkar Jkhsin Musa
30	Improving the power conversion efficiency of Nonfullerene bulk heterojunction solar cell containing polyaniline-WO ₃ nanocomposite as active layer by embedding reduced graphene oxide	Pariya Yardani Sefidi

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No	Title	Presenter
31	Carbon Shell Derived from Poly Acrylic Acid in Comparison with Poly Dopamine On prickly-Nickel Nanowire: Fabrication, Characterization and Application for Hydrogen Evolution Reaction	Matin Ataei Kachouei
32	Beware of Fourth Generation of Nickel Plating Brightener	Mohammad Akbari
33	Ni-Co nanocones structure electrodeposited on nickel foam for high performance supercapacitors	Shiva Moraveji
34	Turnip (<i>Brassica rapa</i> var. <i>rapa</i> L.) Bark Extract as a Green Corrosion Bio-inhibitor for Carbon Steel in 1 M HCl solution	Mohammad Mahdi Alemnezhad
35	The evaluation of <i>Carpobrotus. edulis</i> leaf Extract as Eco-friendly Bio-inhibitor for Copper Corrosion in 0.5 M NaCl solution	Mohammad Mahdi Alemnezhad
36	Nanostructured Polyaniline/Vanadium oxide composite hydrogel for high performance flexible supercapacitor	Mohammad Barazandeh
37	Graphite rod electrode modified with palladium-silver for hydrogen electro generation	Negar Jamiei
38	The Effect of Turnip Bark Extract as Green Corrosion Bio-Inhibitor for copper dissolution in 0.5 M NaCl solution	Faezeh Omidali