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| **Poster number****Poster section A****Time: Wednesday morning (10:05-11:05)** | **authors** | **topic** |
| 1003 | Shohreh Khalediana, Fahimeh Varmaghania,b\*, Babak Karimia,b\* *aDepartment of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, 45137-66731, Iran**bResearch Center for Basic Sciences & Modern Technologies (RBST), Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan 45137-66731, Iran* | A hybrid of Cu-based metal organic framework and nitrogen-doped ordered mesoporous carbon as electrocatalyst toward eCO2RR |
| 1004 | **Shakiba Omidia, Fahimeh Varmaghania,b\*, Babak Karimia,b\*** *aDepartment of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, 45137-66731, Iran**bResearch Center for Basic Sciences & Modern Technologies (RBST), Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan 45137-66731, Iran* | Electrocatalytic behaviour of Zn-based MOF/ionic liquid derived ordered mesoporous carbon modified electrode for electrocatalytic reduction of carbon dioxide |
| 1005 | **G. Alaeia,M. Mazloum-Ardakanib***aDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, 8915818411, Iran*  | Electrochemical investigation of nickel oxide nanostructure on carbon fiber substrate as high performance supercapacitor electrode |
| 1006 | **Shiva Houshmanda, Mohammad Mazloum-Ardakanib\*, Hamideh Mohammadian-Sarcheshmehc, Fereshteh Mohseni-Sardarid***\*Department of Chemistry, Faculty of Science, Yazd University, Yazd, Iran.* | Design Of A Non-Enzymatic Electrochemical Sensor For Glutamate Detection Using Cobalt Based Metal-Organic Framework/Graphene Oxide Composite |
| 1008 | **Nikoo Fahemi,a Shayan Angizi, b Amir Hatamie a,c \*** *a Department of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Prof. Sobouti Boulevard, PO-Box 45195-1159, Zanjan, 45137-66731, Iran.**b Department of Chemical Engineering, McMaster University. Hamilton, Canada.**c Department of Chemistry and Molecular Biology, University of Gothenburg, Gothenburg, Sweden*. | Bubble Wall-Mediated Electrochemical Sensing and Deposition: Adventures in Electrochemistry |
| 1010 | **Shima Kamran Haghighi,a Saba Mohamad Lo,a Shayan Angizi, b Amir Hatamie a,c \*** *a Department of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Prof. Sobouti Boulevard, PO-Box 45195-1159, Zanjan, 45137-66731, Iran.**b Department of Chemical Engineering, McMaster University. Hamilton, Canada.**c Department of Chemistry and Molecular Biology, University of Gothenburg, Gothenburg, Sweden* | Innovative Integration of Robotic and Printed Nanosensor for real –time Electrochemical Sensing in Surface and Underwater Environments |
| 1060 | **Zakieh Salehia, Ali Benvidi\*** *aDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, Iran**bDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, Iran* | Degradation cationic dye of Basic Red46 by electrochemical oxidation and reduction method |
| 1110 | **Mohammad Kamalvanda\*, Tahmineh Keshavarzib** *aDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, Iran**bDepartment of Chemistry, Isfahan University of Technology, Isfahan, Iran* | Ion Selectivity in Carbon Nanotubes on Graphene Substrates for Supercapacitor Electrodes |
| 1057 | **Hamideh Mohammadian-Sarcheshmeha, Mohammad Mazloum-Ardakanib\*** *a,bDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, Iran.* | Fabrication of a flexible supercapacitor electrode using Co-MOF@CoS2 |
| 1058 | **Hamideh Mohammadian-Sarcheshmeha, Mohammad Mazloum-Ardakanib\* Mohammad Abdollahi-Alibeikc, Ardalan Sarrafniad***a-dDepartment of Chemistry, Faculty of Science, Yazd University, Yazd, Iran*. | Modified Metal–Organic Framework as electrode materials for fabrication of supercapacitor |
| 1090 | **Nafiseh Sahraeia\*, Mohammad Mazloum Ardakanib** *aDepartment of Medicinal Chemistry, Faculty of Pharmacy, Shahid Sadoughi University of Medical Sciences, Yazd, Iran**bDepartment of chemistry, Faculty of Science, Yazd University, Yazd, Iran* | A label-free paper-based electrochemical immunosensor for Exosome detection via mesoporous carbon nanofoam |
| 1160 | **Fatemesadat Norouzzadeh, Ali Benvidi\****Department of Chemistry, Yazd University, Yazd, Iran* | Extraction of lead ion from waste water using functionalized and magnetic active carbon and its determination suing differential pulse voltammetry |
| 1116 | **Yasaman Mozafarikhah, Ali Benvidi\*** *Department of Chemistry, Yazd University, Yazd, Iran*  | The effect of electroplating solutions on the electrochemical and morphological of the electrode surface in gold electroplating |
| 1016 | **Seyedeh Masoumeh Mousavi a\*, Jahan Bakhsh Raoof a, Zeinab Rahmatia***aElectrochemical Chemistry Reserch Laboratory ,Department of* *Analytical Chemistry, Faculty of* *Chemistry, University of Mazandaran, Babolsar, Iran* | An electrochemical aptasensor based of glassy carbon electrode modified with Au-Cu doped NiCo-MOF hollow nanospheres for ultrasensitive detection of tryptophan |
| 1017 | **Mohammad Barazandeh****aand Sayed Habib Kazemia\*** *aDepartment of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan 45137-66731, Iran.* | An innovative redox active hydrogel electrolyte with self-healing capability for wearable supercapacitors |
| 1021 | **Zahra Sepehria, Fahimeh Varmaghania,b\*, Babak Karimia,b\*** *aDepartment of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, 45137-66731, Iran**bResearch Center for Basic Sciences & Modern Technologies (RBST), Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan 45137-66731, Iran.* | Insight into the Role of Structure in Ordered Mesoporous Carbons for Electrochemical Applications |
| 1022 | **M. Jelvehzadeh1, Kh. Ghanbari1*\*****11**Department of Analytical Chemistry, Faculty of Chemistry, Alzahra University, P. O. Box 1993893973, Tehran, Iran.*. | Molecularly imprinted electrochemical sensor based on Cu-MOF for sensitive detection of the Pregabalin |
| 1026 | **F. Sarkaboudi a, Kh. Ghanbaria*\*, M. Jelvehzadeh* b***\*Department of Analytical Chemistry, Faculty of Chemistry, Alzahra University, P. O. Box 1993893973, Tehran, Iran* | Designing and constructing an electrochemical sensor using a nanocomposite metal-organic framework and nitrogen-doped graphene oxide for the identification and measurement of Tartrazine |
| 1024 | **Peyman Mohammadzadeh Jahania\*, Maedeh Jafarib***aDepartment of Medicine, Bam University of Medical Sciences, Bam, Iran**bDepartment of Pediatrics, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran* | Application of glass carbon electrode modified by metal–organic frameworks for quantitative measurement of toxic compounds as Bisphenol A |
| 1025 | **Peyman Mohammadzadeh Jahania\*, Maedeh Jafarib***aDepartment of Medicine, Bam University of Medical Sciences, Bam, Iran**bDepartment of Pediatrics, School of Medicine, Kerman University of Medical Sciences, Kerman, Iran* | Synthesis of nanoelectrode based on carbon paste for simultaneous voltammetric measurement of compounds of neurotransmitters |
| 1027 | **Farzaneh Mohammadi\*, Mahmoud Roushani***Department of Chemistry, University of Ilam, Ilam, Iran* | Dual recognition elements for selective determination of Tryptophan based on molecularly imprinted electrochemical aptasensor |
| 1119 | **Haniye Shantiyaee, Mahmoud Roushani, Farzaneh Mohammadi\****Department of Chemistry, University of Ilam, Ilam, Iran* | Development of Trypsin aptasensor based on electrospinning quantum dots into carbon nanofibers as a substrate |
| 1028 | **Maryam Mehrdadiana, Sadegh Khazalpoura\*, Ameneh Amanib***aDepartment of Chemistry, Faculty of Chemistry and Petroleum science, Bu-Ali Sina University, Hamedan, Iran**bNahavand Higher Education Complex, Bu-Ali Sina University, Hamedan, Iran* | Formation of MOF-Chitosan-Nb composites to achieve advanced electrocatalytic activity for OER and HER |
| 1043 | **Shima Shabani, Javad Safaei-Ghomi\*, Hossein Mojtabazadeh***Faculty of Chemistry, University of Kashan, Kashan, I. R. Iran* | Enhanced electrochemical and mechanical properties of Collagen-based hybrid hydrogels incorporating Graphene Oxide, Silica and Carbon Nanotubes for biomedical applications |
| 1045 | **Parva Ashrafia, Amin Ansaria\*, Davood Nematollahia,b\****aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran**bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran* | Improved electrocatalytic degradation of SARS-CoV drug favipiravir by a highly porous 3D carbon felt/ β-PbO2 electrode |
| 1042 | **Sayed Habib Kazemia, \*, Esmaeel Sanjeria , Yosra Kavarizadeha***a Department of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan 45137-66731, Iran.* | Implementation of the electrochemical and hydrothermal approaches to synthesis of cobalt oxide nanostructure for supercapacitor applications |
| 1033 | **Mohammad Safarpoor a\*, Rassoul Dinarvanda, Mehrorang Ghaedi b, Arash Asfaram c***a Nanotechnology Research Center, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran**b Department of Chemistry, Yasouj University, Yasouj, Iran**c Medicinal Plants Research Center, Yasuj University of Medical Sciences, Yasuj, Iran* | An ultrasensitive sandwich-type electrochemical immunosensor for the determination of prostate specific antigen (PSA) using Ti3C2 MXene @CuAu-LDH labeled Ti3C2@AuNPs as a signal tag |
| 1092 | **Farzaneh Hoseynidokhta, Mohammad Mazloum-Ardakania\* , Nafiseh Sahraeia** *aDepartment of Chemistry, Faculty of Science, Yazd University, Yazd 89195-741, Iran* | Highly sensitive electrochemical detection of aquaporin-4 antibody by Nickel- Metal organic framework (Ni-MOF)/CNT |
| 1093 | **Farzaneh Hoseynidokhta, Mohammad Mazloum-Ardakania\*, Fatemeh Farboda***aDepartment of Chemistry, Faculty of Science, Yazd University, Yazd 89195-741, Iran* | Ultrasensitive Immunosensor for detection of aquaporin-4 antibody by porous graphene aerogel matrix incorporated with ytterbium oxide nanoparticles |
| 1047 | **Farzaneh Nasiria, Lida Fotouhib\*** *aDepartment of Analytical Chemistry, Faculty of Chemistry, Alzahra University, Tehran, Iran**bAnalytical and Bioanalytical Research Centre (ABRC), Alzahra University, Tehran, Iran* | Bi-and trimetalic selenides derived from MOFs as electrode for fabrication asymmetric supercapacitors |
| 1050 | **Mohammad Mehdi Hashemi-Mashouf,a Davood Nematollahi,a,b\* Mahsa Roshani,a***aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran**bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.* | Electrocatalytic degradation of amido black 10B using Ti/β-PbO2-BiOx modified electrode |
| 1051 | **Mahtab Gitipeimay Hamedani,a Niloofar Mohamadighader,a Davood Nematollahi,a,b\* Farideh Lotfipour,a***aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran**bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.* | Electrochemical oxidation of phenothiazine in the presence of triphenylphosphine. Synthesis of a new phosphorus betaine compound |
| 1053 | **Shadi Mohammadian, Mohammad Barazandeh, Sayed Habib Kazemi\*, Hamid R. Shahsavari\****Department of Chemistry, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, 45137-66731* | Design and synthesis of an innovative Rh(III) complex containing diphosphinoferrocene ligand: Electrochemical investigations |
| 1054 | **Atefeh Abina, Pouya Abedib, Mohammad Kazemzadehb** *aDepartment of Physical Chemistry, Faculty of Chemistry, Urmia University, Urmia, Iran**bDepartment of Analytical Chemistry, Faculty of Chemistry, Urmia University, Urmia, Iran* | Fabrication of a Molybdenum Trioxide/Multi-Walled Carbon Nanotubes on Anodized Graphite Sheets as an Anodic Modification Material for Microbial Fuel Cells Application |
| 1059 | **Mozhdeh Malmir,a Davood Nematollahi\*a,b, Ali Sadatnabia Sajad Shanehsaza***aFaculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran**bPlanet Chemistry Research Center, Bu-Ali Sina University, Hamedan, Iran.* | A green strategy for the synthesis of aryl-benzoquinone derivatives under batch and flow conditions |
| 1061 | **Ameneh Amani\*, Mohadese Mohtaji***a Department of Chemistry, Nahavand Higher Education Complex, Bu-Ali Sina University, Hamedan, Iran**b Department of Analytical Chemistry, Faculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran* | Electrochemical Assessment of Verbascoside in the Leaf Extract of *Aloysia citriodora* at the Surface of Silver Nanoparticles Modified Carbon Paste Electrode |
| 1062 | **Ameneh Amania\*, Armita Damsaza, Mohadese Mohtajic***a,b Department of Chemistry, Nahavand Higher Education Complex, Bu-Ali Sina University, Hamedan, Iran**c Department of Analytical Chemistry, Faculty of Chemistry and Petroleum Sciences, Bu-Ali Sina University, Hamedan, Iran* | Electrochemical study and Assessment Antioxidant Activity of Ethanolic Leave Extract of *Lavandula* |
| 1063 | **Faezeh Alipour**a**, Jahan Bakhsh Raoof**a**\*,Reza Ojani**a*a Department of Analytical Chemistry, Faculty of Chemistry, University of Mazandaran, Babolsar, Iran* | A sensitive electrochemical sensor based on glassy carbon electrode modified with microporous activated carbon derived from eucalyptus barks and Cu-BTC for determination of phosalone |
| 1066 | **Zahra Ghasemia\*, Hadi Beitollahib, Fariba Garkani Nejadb , Zahra Dourandishb***aDepartment of Chemistry, Graduate University of Advanced Technology,* *Kerman, Iran**bDepartment of Environment, Institute of Science and High Technology and Environmental**Sciences, Graduate University of Advanced Technology, Kerman, Iran* | Surface modification of glassy carbon electrode by using MIL-101 (Fe)-NH2 /MWCNTs nanostructure for determination of doxorubicin in the presence of dacarbazine |
| 1067 | **Ahlam Bazrafkana,\*, Hadi Beitollahib, Fariba GarkaniNejadb, Reza Zaimbashib***aDepartment of Chemistry, Graduate University of Advanced Technology, Kerman, Iran**bEnvironment Department, Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran* | ZIF-L (Zn, Co)/MWCNTs nanostructure modified carbon paste electrode as an efficient electrochemical sensor for determination of norepinephrine in the presence of L-tyrosine |
| 1133 | **Mir Hadi Banan Khojasteha\*, Aynaz Kamyabb, Ali Rasi Mahmoudic, Karim Asadpour Zeynalid\****aDepartment of Analytical Chemistry, Faculty of Chemistry, University of Tabriz, Tabriz 5166616471, Iran* | Electrocatalytic performance of the green synthesized α-Fe2O3 for determination of 2-Nitrophenol |
| 1134 | **Samaneh Ebadia, Khadijeh Ghanbaria\*** *aDepartment of Analytical Chemistry, Faculty of Chemistry, Alzahra University, P. O. Box 1993893973, Tehran, Iran* | Fabrication of impedimetric sensor based on Bio-MOF/Au NPs nanocomposite for the determination of Ciprofloxacin |