جهت مشاهده مقالات در سال ۲۰۲۲ لطفا کلیک کنید.

No	Title	Authors	Correspondence Address	DOI	Link
1	The Effects of siRNA-Mediated Gene Silencing of Alpha-7 Nicotinic Acetylcholine Receptors on Drug Resistance to Oxaliplatin in Colorectal Cancer Cells	Hajiasgharzadeh K., Doustvandi M.A., Khiabani N.A., Mohammadi M., Dastmalchi N., Jafarlou M., Baradaran B.	Hajiasgharzadeh, K.; Immunology Research Center, Iran; email: hajiasgharzadeh@tbzmed.ac.ir Baradaran, B.; Immunology Research Center, Iran; email: baradaranb@tbzmed.ac.ir	10.1134/S1062359022150109	link
2	Recent advances in gold nanoparticle-based colorimetric aptasensors for chemical and biological analyses	Behzad F., Samadi A., Rahimpour E., Adabi M., Jouyban A.	Samadi, A.; Pharmaceutical Analysis Research Center & Faculty of Pharmacy, Iran; email: samadi.azam@yahoo.com Rahimpour, E.; Pharmaceutical Analysis Research Center & Faculty of Pharmacy, Iran; email: rahimpoure@yahoo.com	10.4155/bio-2022-0209	link
3	A novel particle engineering method for the production of inhalable cromolyn sodium powders by a combination of spray drier and nebulizer	Hamedani S., Yaqoubi S., Safdari R., Hamishehkar H., Nokhodchi A.	Nokhodchi, A.; Lupin Inhalation Research CenterUnited States; email: a.nokhodchi@sussex.ac.uk Hamishehkar, H.; Drug Applied Research Center, Iran; email: hamishehkar.hamed@gmail.com	10.1016/j.jddst.2022.103958	link
4	Combination of dispersive solid phase extraction using MIL–88A as a sorbent and deep eutectic solvent–based	Daghi M.M., Nemati M., Abbasalizadeh A., Farajzadeh M.A., Afshar Mogaddam	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: afsharmogaddam@tbzmed.ac.ir	10.1016/j.microc.2022.107984	link

	dispersive liquid–liquid microextraction for the extraction of some pesticides from fruit juices before their determination by GC–MS	M.R., Mohebbi A.			
5	Recent advances on the piezoelectric, electrochemical, and optical biosensors for the detection of protozoan pathogens	Feyziazar M., Amini M., Jahanban-Esfahlan A., Baradaran B., Oroojalian F., Kamrani A., Mokhtarzadeh A., Soleymani J., de la Guardia M.	Mokhtarzadeh, A.; Immunology Research Center, Iran; email: mokhtarzadehah@tbzmed.ac.ir Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: Soleymanij@tbzmed.ac.ir de la Guardia, M.; Department of Analytical Chemistry, Dr. Moliner 50, Burjassot, Spain; email: miguel.delaguardia@uv.es	10.1016/j.trac.2022.116803	link
6	Aerogels-Inspired based Photo and Electrocatalyst for Water Splitting to Produce Hydrogen	Al-Hamamre Z., Karimzadeh Z., Ji S., Choi H., Maleki H.	Maleki, H.; Institute of Inorganic Chemistry, Greinstraße 6, Germany; email: h.maleki@uni-koeln.de	10.1016/j.apmt.2022.101670	link
7	Silencing of SiX-4 enhances the chemosensitivity of melanoma cells to Cisplatin	vazirabad A.F., Noorolyai S., Baghbani E., Mahboob S., Zargari F., rahmani S., Sorkhabi A., montazami N., Sameti P., Baradaran B.	Baradaran, B.; Immunology Research Center, Iran; email: baradaranb@tbzmed.ac.ir	10.1016/j.prp.2022.154194	link
8	The anticancer impacts of N, S donor pyrazole based ligand and its Co(III) and Cu(II) complexes	Ghorbanpour M., Soltani B., Shayanfar A., Mota A., Mehdizadeh Aghdam E.,	Soltani, B.; Department of Chemistry, P.O.Box 53714-161, Iran; email: Soltani@azaruniv.ac.ir	10.1007/s11243-022-00514-7	link

	on breast cancer cells	Pirpour Tazehkand A., Ziegler C.J.			
9	Combination of mixed mode dispersive solid phase extraction with magnetic ionic liquids based dispersive liquid–liquid microextraction for the extraction of anticoagulant drugs from urine samples	Mohebbi A., Jouyban A., Farajzadeh M.A., Nemati M., Raha S., Vaez Gharamaleki Y., Tuzen M., Afshar Mogaddam M.R.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1016/j.microc.2022.108065	link
10	Simulation of Clozapine Solubility in Mono- and Mixed Solvents at Different Temperatures	Rahimpour E., Xu R., Zhao H., Acree W.E., Jr., Jouyban A.	Zhao, H.; College of Chemistry & Chemical Engineering, Jiangsu, China; email: hkzhao@yzu.edu.cn	10.1007/s10953-022-01208-5	link
11	An ultrasensitive and preprocessing-free electrochemical platform for the detection of doxorubicin based on tryptophan/polyethylene glycol-cobalt ferrite nanoparticles modified electrodes	Abbasi M., Ezazi M., Jouyban A., Lulek E., Asadpour-Zeynali K., Ertas Y.N., Houshyar J., Mokhtarzadeh A., Soleymani J.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: jsoleymanii@gmail.com	10.1016/j.microc.2022.108055	link
12	Control of the quality of creatine sports supplements using a validated LC method with UV detection	Feizi A., Hamidi S., Bakalam N., Nemati M.	Nemati, M.; Food and Drug Safety Research Center, Iran; email: nematim@tbzmed.ac.ir	10.1016/j.talo.2022.100157	link
13	Combination of nano-onion-based dispersive solid	Mokhtari S., Marzi Khosrowshahi	Afshar Mogaddam, M.R.; Food and Drug Safety Research	10.1016/j.microc.2022.107983	link

	phase extraction combined with deep eutectic solvent-based dispersive liquid–liquid microextraction for trace analysis of pesticides	E., Farajzadeh M.A., Afshar Mogaddam M.R., Nemati M.	Center, Iran; email: mr.afsharmogaddam@yahoo.com		
14	An innovative biodevice towards monitoring of miR-153 using specific DNA immobilized on the surface of poly(chitosan) decorated AgNPrs/GQDs-CysA conductive nano-ink: Early-stage diagnosis of Parkinson's disease using biosensor technology	Darvish Aminabad E., Hasanzadeh M., Saadati A., Ali Hosseinpour Feizi M., Safaralizadeh R., Mobed A.	Hasanzadeh, M.; Pharmaceutical Analysis Recent Center, Iran; email: Hasanzadehm@tbzmed.ac.ir	10.1016/j.mseb.2022.116017	link
15	Introduction of an exclusive, highly linear, and matrix-effectless analytical method based on dispersive micro solid phase extraction using MIL-88B(Fe) followed by dispersive liquid–liquid microextraction specialized for the analysis of pesticides in celery and tomato juices without dilution	Pezhhanfar S., Farajzadeh M.A., Mohsen Daraei N., Taghipour BaghaliNobar N., Hosseini-Yazdi S.A., Afshar Mogaddam M.R.	Farajzadeh, M.A.; Department of Analytical Chemistry, Iran; email: mafarajzadeh@tabrizu.ac.ir	10.1016/j.microc.2022.107967	link
16	Ultrasound–assisted solvent extraction combined with	Gholizadeh S., Mirzaei H., Khandaghi J., Afshar	Mirzaei, H.; Department of Food Hygiene, Iran; email: hmirzaei@iaut.ac.ir	10.1016/j.jfca.2022.104831	link

	magnetic ionic liquid based-dispersive liquid–liquid microextraction for the extraction of mycotoxins from tea samples	Mogaddam M.R., Javadi A.			
17	Probing the Interactions of Lamotrigine and Phenobarbital with Tau Protein: Experimental and Molecular Modeling Studies	Gholami A., Dehghan G., Rashtbari S., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.5812/ijpr-129599	link
18	Comparison of various methods for validity evaluation of QSAR models	Shayanfar S., Shayanfar A.	Shayanfar, A.; Pharmaceutical Analysis Research Center, Iran; email: shayanfara@tbzmed.ac.ir	10.1186/s13065-022-00856-4	link
19	Trends in advanced materials for the fabrication of insulin electrochemical immunosensors	Zare Y., Soleymani J., Rahimi M., Nuri Ertas Y., Jafarzadeh S.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: jsoleymanii@gmail.com Nuri Ertas, Y.; Department of Biomedical Engineering, Turkey; email: yavuzertas@erciyes.edu.tr	10.1007/s11696-022-02416-5	link
20	Copper (II) complexes based bis(pyrazolyl)borate derivatives as efficient anticancer agents: synthesis, characterization, X-ray structure, cytotoxicity, molecular docking and QSAR studies	Ghorbanpour M., Soltani B., Molavi O., Shayanfar A., Mehdizadeh Aghdam E., Ziegler C.J.	Soltani, B.; Department of Chemistry, P.O.Box 53714-161, Iran; email: bh_soltani@yahoo.com	10.1007/s11696-022-02288-9	link

21	Development of a green approach based on DμSPE combined with deep eutectic solvent-based DLLME for the extraction of some pesticides from vegetable samples prior to GC–FID and GC–MS	Abasalizadeh A., Sorouraddin S.M., Farajzadeh M.A., Afshar Mogaddam M.R.	Sorouraddin, S.M.; Department of Analytical Chemistry, Iran; email: saied_sorour@yahoo.com Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1007/s13738-022-02633-5	link
22	Optimization of a rapid and sensitive ultrasound-assisted liquid-liquid microextraction using switchable hydrophilicity solvent for extraction of β-carotene in fruit juices and vegetables	Altunay N., Tuzen M., Lanjwani M.F., Mogaddam M.R.A.	Tuzen, M.; Tokat Gaziosmanpasa University, Turkey; email: mustafa.tuzen@gop.edu.tr	10.1016/j.jfca.2022.104791	link
23	Dispersive solid phase extraction of several pesticides from fruit juices using a hydrophobic metal organic framework prior to HPLC-MS/MS determination	Abbasalizadeh A., Sorouraddin S.M., Farajzadeh M.A., Nemati M., Afshar Mogaddam M.R.	Sorouraddin, S.M.; Department of Analytical Chemistry, Iran; email: saied_sorour@yahoo.com Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1016/j.jfca.2022.104788	link
24	Spectrofluorimetric Method for Monitoring Methotrexate in Patients' Plasma Samples and Cell Lysates Using Highly Fluorescent Carbon Dots	Molaparast M., Eslampour P., Soleymani J., Shafiei-Irannejad V.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: jsoleymanii@gmail.com Shafiei-Irannejad, V.; Cellular and Molecular Research Center, Iran; email:	10.5812/ijpr-126918	link

			vahid.shafiei@hotmail.com		
25	Enhancing the function of PLGA-collagen scaffold by incorporating TGF-β1-loaded PLGA-PEG-PLGA nanoparticles for cartilage tissue engineering using human dental pulp stem cells	Ghandforoushan P., Hanaee J., Aghazadeh Z., Samiei M., Navali A.M., Khatibi A., Davaran S.	Davaran, S.; Stem Cell Research Center, Iran; email: davaran@tbzmed.ac.ir	10.1007/s13346-022-01161-2	link
26	Editorial: Rising stars in electrochemistry 2021	Briega-Martos V., Soleymani J., Zagal J.H.	Briega-Martos, V.; Forschungszentrum Jülich GmbH, Germany; email: v.briega@fz-juelich.de	10.3389/fchem.2022.1099546	link
27	Capillary electrophoresis-mass spectrometry in pharmaceutical and biomedical analyses	Seyfinejad B., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.1016/j.jpba.2022.115059	link
28	Development of a β-cyclodextrin-modified gold nanoparticle-assisted electromembrane extraction method followed by capillary electrophoresis for methadone determination in plasma	Hoseininezhad-Namin M.S., Ozkan S.A., Rahimpour E., Jouyban A.	Rahimpour, E.; Pharmaceutical Analysis Research Center, Iran; email: Rahimpour_e@yahoo.com	10.1039/d2ra06419g	link
29	A promising treatment for HIV-1 using biosynthesis of metal nanoparticles	Behzad F., Kalyani F.N., Samadi A., Adabi M.	Samadi, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: samadi_azam@yahoo.com	10.1016/j.jiec.2022.07.052	link

30	Solubility of mesalazine in aqueous solutions of two betaine-based deep eutectic solvents at different temperatures: Data correlation and thermodynamic analysis	Jafari P., Barzegar-Jalali M., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.1016/j.molliq.2022.120306	link
31	Investigation of electrochemical synthesis temperature effect of the binary transition metals sulfide on nickel foam in water oxidation study	Fazli S., Asadpour-Zeynali K.	Asadpour-Zeynali, K.; Department of Analytical Chemistry, Iran; email: asadpour@tabrizu.ac.ir	10.1016/j.matchemphys.2022.126670	link
32	Simple fluorescence chemosensor for the detection of calcium ions in water samples and its application in bio-imaging of cancer cells	Salek-Maghsoodi M., Golsanamlu Z., Sadeghi-Mohammadi S., Gazizadeh M., Soleymani J., Safaralizadeh R.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: jsoleymanii@gmail.com	10.1039/d2ra04815a	link
33	Advances in Aptamers-Based Applications in Breast Cancer: Drug Delivery, Therapeutics, and Diagnostics	Gholikhani T., Kumar S., Valizadeh H., Mahdinloo S., Adibkia K., Zakeri-Milani P., Barzegar-Jalali M., Jimenez B.	Jimenez, B.; School of Biological Sciences, New Zealand; email: balam.jimenezbrito@vuw.ac.nz	10.3390/ijms232214475	link
34	Solubility measurement of the fludrocortisone acetate in supercritical carbon dioxide:	Amani M., Ardestani N.S., Jouyban A., Sajadian S.A.	Sajadian, S.A.; Department of Chemical Engineering, Iran; email: seyedali.sajadian@gmail.com	10.1016/j.supflu.2022.105752	link

	Experimental and modeling assessments				
35	Biosensors for the detection of protein kinases: Recent progress and challenges	Fathi N., Saadati A., Alimohammadi M., Abolhassani H., Sharifi S., Rezaei N., Hasanzadeh M.	Rezaei, N.; Research Center for Immunodeficiencies, Dr Qarib St, Keshavarz Blvd, Iran; email: rezaei_nima@tums.ac.ir	10.1016/j.microc.2022.107961	link
36	Combination of microwave-assisted extraction with dispersive micro solid-phase extraction as an efficient sample pretreatment method for the extraction of some antiparasitic drugs from cow liver, meat, and kidney samples	Kochameshki B.K., Javadi A., Afshar Mogaddam M.R., Mirzaee H., Farajzadeh M.A.	Javadi, A.; Department of Food Hygiene, Iran; email: javadi@iaut.ac.ir	10.1002/jssc.202200416	link
37	Combining modified graphene oxide-based dispersive micro solid phase extraction with dispersive liquid–liquid microextraction in the extraction of some pesticides from zucchini samples	Miyardan F.N., Afshar Mogaddam M.R., Farajzadeh M.A., Nemati M.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1016/j.microc.2022.107884	link
38	An innovative fluorometric bioanalysis strategy towards recognition of DNA methylation using opto-active polymer: A new platform for DNA	Adampourezare M., Hasanzadeh M., Dehghan G., Hosseinpourefeizi M.-A., Seidi F.	Dehghan, G.; Department of Biology, Iran; email: dehghan2001d@yahoo.com Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email:	10.1002/jmr.2981	link

	damage studies by genosensor technology		hasanzadehm@tbzmed.ac.ir		
39	Alpha7 nicotinic acetylcholine receptor expression in Sorafenib-resistant Hepatocellular carcinoma cells	Nour M.A., Kheradmand F., Rasmi Y., Baradaran B.	Kheradmand, F.; Department of Clinical Biochemistry, Iran; email: fkheradmand@yahoo.com Baradaran, B.; Immunology Research Center, Iran; email: baradaranb@tbzmed.ac.ir	10.1007/s12032-022-01745-5	link
40	3-Nitrophthalonitrile solubility and solvation thermodynamics in aqueous solutions	Liu Y., Zhao H., Farajtabar A., Zhu P., Rahimpour E., Acree Jr W.E., Jouyban A.	Zhao, H.; College of Chemistry & Chemical Engineering, Jiangsu, China; email: hkzhao@yzu.edu.cn	10.1016/j.jct.2022.106873	link
41	Inflammatory reflex disruption in COVID-19	Hajiasgharzadeh K., Jafarlou M., Mansoori B., Dastmalchi N., Baradaran B., Khabbazi A.	Baradaran, B.; Immunology Research Center, Golgasht St, Iran; email: baradaranb@tbzmed.ac.ir Khabbazi, A.; Connective Tissue Diseases Research Center, Golgasht St., Iran; email: dr_khabbazi@yahoo.com	10.1111/cen3.12703	link
42	Effect of N-Methyl-pyrrolidone (NMP) on the Equilibrium Solubility of Meloxicam in Aqueous Media: Correlation, Dissolution Thermodynamics, and Preferential Solvation	Tinjacá D.A., Martínez F., Almanza O.A., Jouyban A., Acree W.E.	Martínez, F.; Facultad de Ciencias, Av. Cra. 9 No. 131A-02, D.C., Colombia; email: fmartinezr@unal.edu.co	10.1021/acsomega.2c05189	link

43	Aptasensing of ciprofloxacin residue using graphene oxide modified with gold nanoparticles and branched polyethyleneimine	Mahmoudpour M., Nazhad Dolatabadi J.E., Hasanzadeh M., Rad A.H., Torbati M., Seidi F.	Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir Torbati, M.; Department of Food Science and Technology, Iran; email: torbatima@yahoo.com	10.1039/d2ra02761e	link
44	UiO-66-based metal-organic framework for dispersive solid-phase extraction of vanillylmandelic acid from urine before analysis by capillary electrophoresis	Hassanpour-Sabet R., Seyfinejad B., Marzi Khosrowshahi E., Nemati M., Afshar Mogaddam M.R., Jouyban A.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.1039/d2ra02916b	link
45	Erratum: Bioconjugation of 2-arachidonoyl glycerol (2-AG) biotinylated antibody with gold nano-flowers toward immunosensing of 2-AG in human plasma samples: a novel immuno-platform for the screening of immunomodulation and neuroprotection using biosensing (Anal. Methods (2021) 13 (311–321) DOI: 10.1039/D0AY02135K)	Mobed A., Kohansal F., Ahmadalipour A., Hasanzadeh M., Zargari F.	Ahmadalipour, A.; Physical Medicine and Rehabilitation Research Center, Iran; email: alipoura@tbzmed.ac.ir Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1039/d2ay90125k	link

46	A novel immuno-device based on the specific binding of AuNP-supported CTAB with biotinylated antibody of hyaluronic acid toward an early-stage recognition of a biomarker: a bioanalytical assay in real samples using disposal biosensor technology	Mobed A., Kohansal F., Dolati S., Hasanzadeh M.	Dolati, S.; Physical Medicine and Rehabilitation Research Center, Iran; email: sanam.dolati@gmail.com Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1039/d2ra04984h	link
47	Solution Stability of Pharmaceutical Cocrystals	Alvani A., Shayanfar A.	Shayanfar, A.; Pharmaceutical Analysis Research Center, Iran; email: shayanfara@tbzmed.ac.ir	10.1021/acs.cgd.2c00787	link
48	The anti-biofilm activity of hydrogen peroxide against Escherichia coli strain FL-Tbz isolated from a pharmaceutical water system	Farjami A., Jalilzadeh S., Siahi-Shadbad M., Lotfipour F.	Lotfipour, F.; Food and Drug Safety Research Center, Iran; email: farzaneh.lotfipour@gmail.com	10.2166/wh.2022.061	link
49	Effect of peracetic acid–ultraviolet combination treatment on microbial and endotoxin levels in a pharmaceutical water system	Farjami A., Eradati S., Hamishehkar H., Siahi-Shadbad M., Lotfipour F.	Lotfipour, F.; Food and Drug Safety Research Center, Iran; email: farzaneh.lotfipour@gmail.com	10.2166/washdev.2022.071	link
50	Selection of Specific Aptamer against Rivaroxaban and Utilization for Label-Free Electrochemical Aptasensing Using Gold Nanoparticles:	Ebrahimi R., Barzegari A., Teimuri-Mofrad R., Kordasht H.K., Hasanzadeh M., Khoubnasabjafari M., Jouyban-	Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir Rashidi, M.-R.; Medicinal Chemistry Department, Iran; email:	10.3390/bios12100773	link

	First Announcement and Application for Clinical Sample Analysis	Gharamaleki V., Rad A.A., Shadjou N., Rashidi M.-R., Afshar Mogaddam M.R., Jouyban A.	mrrashidi2@yahoo.com		
51	Efficient Entrapment of Alpha-Synuclein Biotinylated Antibody in KCC-1-NH-CS2 and Application for the Sensitive Diagnosis of Parkinson's Using Recognition of Biomarker: An Innovative Electrochemical Label-Free Immunosensor for the Biomedical Analysis of Neurodegenerative Diseases	Navay Baghban H., Hasanzadeh M., Liu Y., Seidi F.	Seidi, F.; Jiangsu Co-Innovation Center for Efficient Processing and Utilization of Forest Resources and International Innovation Center for Forest Chemicals and Materials, China; email: f_seidi@njfu.edu.cn Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.3390/bios12100911	link
52	An Innovative Sandwich Type Biosensor towards Sensitive and Selective Monitoring of 2-Arachidonoylglycerol in Human Plasma Samples Using P(β-CD)-AuNPs-DDT as Amplificant Agent: A New Immuno-Platform for the Recognition of Endocannabinoids in Real Samples	Aletaha N., Ghaseminasab K., Hasanzadeh M., Kohansal F., Liu Y., Seidi F.	Seidi, F.; Jiangsu Co-Innovation Center for Efficient Processing and Utilization of Forest Resources and International Innovation Center for Forest Chemicals and Materials, China; email: f_seidi@njfu.edu.cn Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.3390/bios12100791	link
53	A Terbium Metal-Organic Framework Platform for	Eydi P., Rahimpour E., Khoubnasabjafari M.,	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email:	10.34172/PS.2021.67	link

	Determination of Lamotrigine in Exhaled Breath Condensate	Jouyban-Gharamaleki V., Jouyban A.	ajouyban@hotmail.com		
54	Effects of Surfactant and Polymer on Thermodynamic Solubility and Solution Stability of Carbamazepine–Cinnamic Acid Cocrystal	Sabouri S., Shayanfar A.	Shayanfar, A.; Editorial Office of Pharmaceutical Sciences Journal, Iran; email: shayanfara@tbzmed.ac.ir	10.1007/s11094-022-02726-8	link
55	Combination of microwave-assisted solvent extraction and effervescence-assisted deep eutectic solvent-based in-syringe dispersive liquid-liquid microextraction and its application in the extraction of triazine pesticides from apple samples	Safaei S., Atazadeh R., Afshar Mogaddam M.R.	Atazadeh, R.; Department of Food Science and Technology, Iran; email: atazadeh@sofianiau.ac.ir	10.1002/jssc.202200236	link
56	Copper (II) complexes with N, S donor pyrazole-based ligands as anticancer agents	Ghorbanpour M., Soltani B., Mota A., Jahanbin Sardroodi J., Mehdizadeh Aghdam E., Shayanfar A., Molavi O., Mohammad-Rezaei R., Ebadi-Nahari M., Ziegler C.J.	Soltani, B.; Department of Chemistry, P. O. Box 53714-161, Iran; email: Soltani@azaruniv.ac.ir	10.1007/s10534-022-00426-0	link
57	Study of Mesalazine Solubility in Ternary Mixtures of Ethanol,	Rahimpour E., Martinez F., Hemmati S., Ramezani	Ramezani, A.M.; Healthy Ageing Research Centre, Iran; email: ramezania@nums.ac.ir	10.1016/j.xphs.2022.07.018	link

	Propylene Glycol, and Water at Various Temperatures	A.M., Jouyban A.			
58	Magnetic silicon carbide nanocomposite as a sorbent in magnetic dispersive solid phase extraction followed by dispersive liquid–liquid microextraction in the gas chromatographic determination of pesticides	Marzi Khosrowshahi E., Afshar Mogaddam M.R., Farajzadeh M.A., Nemati M.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1016/j.microc.2022.107786	link
59	Development and Validation of a High-Performance Liquid Chromatography Method for the Determination of Astaxanthin in Fish Samples; Application of the Method in Identification of Fake Salmon Marketed in Iran	Ostadmohammadi F., Nemati M., Mogaddam M.R.A., Javadi A., Tuzen M.	Mogaddam, M.R.A.; Pharmaceutical Analysis Research Center, Iran; email: nematim@tbzmed.ac.ir	10.22036/abcr.2022.326280.1719	link
60	Development of an Efficient and Sensitive Magnetic Dispersive Solid-phase Extraction Technique for Preconcentration of Amphetamine and Methamphetamine Determined by High-performance Liquid Chromatography and Liquid	Ghalebi M., Hamidi S., Nemati M., Sheykizadeh S., Lotfipour F., Ghorbani N.A., Farjami A.	Farjami, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: hamidisamin@gmail.com	10.22036/abcr.2022.338443.1754	link

	Chromatography-Tandem Mass Spectrometry in Sports Supplements				
61	Application of magnetic ionic liquid-based air–assisted liquid–liquid microextraction followed by back-extraction optimized with centroid composite design for the extraction of antibiotics from milk samples prior to their determination by HPLC–DAD	Ghasemi R., Mirzaei H., Afshar Mogaddam M.R., Khandaghi J., Javadi A.	Mirzaei, H.; Department of Food Hygiene, Iran; email: hmirzaei@iaut.ac.ir	10.1016/j.microc.2022.107764	link
62	Ultrasensitive fluorometric determination of daclatasvir in exhaled breath condensate samples after magnetic solid-phase extraction by carbon-coated Fe3O4 magnetic nanoparticles: method optimization via central composite design combined with desirability function	Heidari H., Hassan-Zadeh Z., Khoubnasabjafari M.	Heidari, H.; Department of Chemistry, Iran; email: hassan_heidari@ymail.com	10.1007/s11696-022-02346-2	link
63	Fluorescence turn-off sensing of lead and gentamicin based on phosphorus and chlorine co-doped carbon dots	Sefid-Sefidehkhan Y., Jouyban A., Rahimpour E.	Rahimpour, E.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: rahimpour_e@yahoo.com	10.1016/j.microc.2022.107753	link

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77	A modified quick-easy-cheap-effective-rugged-and-safe method involving carbon nano-onions-based dispersive solid-phase extraction and dispersive liquid–liquid microextraction for pesticides from grapes	Mokhtari S., Khosrowshahi E.M., Farajzadeh M.A., Nemati M., Afshar Mogaddam M.R.	Nemati, M.; Food and Drug Safety Research Center, Iran; email: nematim@tbzmed.ac.ir Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: Afsharmogaddam@tbzmed.ac.ir	10.1002/jssc.202200124	link
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80	Microfluidic assisted recognition of miRNAs towards point-of-care diagnosis: Technical and analytical overview towards biosensing of short stranded single non-coding oligonucleotides	Adampourezare M., Hasanzadeh M., Seidi F.	Adampourezare, M.; Department of Biology, Iran; email: m.adampour@tabrizu.ac.ir Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1016/j.biopha.2022.113365	link
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116	Facile preparation of carbonized cellulose nanoparticles and their application for the dispersive solid phase extraction prior to dispersive liquid–liquid microextraction of pesticide residues from vegetable and fruit juices	Bakhshizadeh Aghdam M., Farajzadeh M.A., Afshar Mogaddam M.R.	Farajzadeh, M.A.; Department of Analytical Chemistry, Iran; email: mafarajzadeh@yahoo.com	10.1016/j.jfca.2022.104527	link
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128	Application of calcium oxide as an efficient phase separation agent in temperature-induced counter-current homogenous liquid-liquid extraction of aflatoxins from dried fruit chips followed by high-performance liquid chromatography-tandem mass spectrometry determination	Mohebbi A., Nemati M., Farajzadeh M.A., Afshar Mogaddam M.R., Lotfipour F.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com Lotfipour, F.; Food and Drug Safety Research Center, Iran; email: farzaneh.lotfipour@gmail.com	10.1002/jssc.202100998	link
129	Equilibrium solubility of amrinone in aqueous co-solvent solutions reconsidered: Quantitative molecular surface, inter/intra-molecular interactions and solvation thermodynamics analysis	Chen J., Zhao H., Farajtabar A., Zhu P., Jouyban A., Acree W.E., Jr.	Zhao, H.; College of Chemistry & Chemical Engineering, Jiangsu, China; email: hkzhao@yzu.edu.cn	10.1016/j.molliq.2022.118995	link
130	Simultaneous determination of four biogenic amines in whey samples using a new solid phase extraction method prior to their analysis by HPLC-MS/MS	Mirzaei H., Afshar Mogaddam M.R., Khandaghi J.	Mirzaei, H.; Department of Food Hygiene, Iran; email: hmirzaei@iaut.ac.ir	10.1016/j.microc.2022.107313	link

131	Comments concerning "Solubility measurement and thermodynamic correlation of (2,4-dichlorophenoxy)acetic acid in fifteen pure solvents "	Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.1016/j.jct.2022.106751	link
132	Development of a fluoremetric probe based on molecularly imprinted polymers for determination of phenobarbital in exhaled breath condensate	Nasehi Nejhad P., Jouyban A., Khoubnasabjafari M., Jouyban-Gharamaleki V., Hosseini M., Rahimpour E.	Rahimpour, E.; Faculty of Pharmacy, Iran; email: rahimpour_e@yahoo.com	10.1007/s11696-022-02105-3	link
133	Experimental and density functional theory studies during a new solid phase extraction of phenolic compounds from wastewater samples prior to GC–MS determination	Farajzadeh M.A., Nemati M., Altunay N., Tuzen M., Kaya S., Kheradmand F., Afshar Mogaddam M.R.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1016/j.microc.2022.107291	link
134	Synthesis of MOF-70 based on diffusion method; microgram amount application as a highly efficient sorbent in dispersive micro solid phase extraction prior to dispersive liquid–liquid microextraction for the preconcentration and extraction of	Pezhhanfar S., Farajzadeh M.A., Hosseini-Yazdi S.A., Mogaddam M.R.A.	Farajzadeh, M.A.; Department of Analytical Chemistry, Iran; email: mafarajzadeh@yahoo.com	10.1007/s13738-021-02456-w	link

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135	Comments on “Increase in the circulating levels of malondialdehyde in patients with obstructive sleep apnea: a systematic review and meta-analysis”	Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.1007/s11325-021-02467-0	link
136	Quantification of methotrexate in plasma samples using highly fluorescent nanoparticles	Golsanamlou Z., Kholafazad-Kordasht H., Soleymani J., Jouyban A.	Soleymani, J.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: soleymanij@tbzmed.ac.ir	10.1016/j.jpba.2022.114716	link
137	A combination of amino-functionalized fibrous silica (KCC-1-NH2)/effectively and efficiently oxidized graphene oxide (EEGO) nanocomposite for dispersive solid-phase extraction, pre-concentration and fluorescence determination of total para-cresol in plasma samples of chronic kidney disease patients	Moradi M., Soleymani J., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.1016/j.jpba.2022.114746	link
138	Dendritic cell-based cancer immunotherapy in the era of immune checkpoint inhibitors: From bench to bedside	Ghorbaninezhad F., Asadzadeh Z., Masoumi J., Mokhtarzadeh A., Kazemi T., Aghebati-Maleki L., Shotorbani S.S., Shadbad	Baradaran, B.; Immunology Research Center, Daneshghah Ave, Iran; email: baradaranb@tbzmed.ac.ir	10.1016/j.lfs.2022.120466	link

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139	Comments concerning “Solid-liquid phase equilibrium, Hansen solubility parameters and thermodynamic behavior of arbidol hydrochloride monohydrate in eleven mono-solvents”	Jouyban A., Acree Jr W.E.	Acree Jr, W.E.; Department of Chemistry, TX 76203-5070; email: bill.acree@unt.edu	10.1016/j.molliq.2022.118836	link
140	An innovative electrochemical immuno-platform towards ultra-sensitive monitoring of 2-arachidonoyl glycerol in samples from rats with sleep deprivation: bioanalysis of endogenous cannabinoids using biosensor technology	Kohansal F., Mobed A., Ansari R., Hasanzadeh M., Ahmadalipour A., Shadjou N.	Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir Ahmadalipour, A.; Research Center of Psychiatry and Behavioral Sciences, Iran; email: ali.ahmadalipour1@gmail.com	10.1039/d2ra00380e	link
141	Development of a new method based on gold nanoparticles for determination of uric acid in urine samples	Rezaei H., Jouyban A., Rahimpour E.	Rahimpour, E.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: rahimpour_e@yahoo.com	10.1016/j.saa.2022.120995	link
142	Spirulina platensis Extract Nanoliposomes: Preparation, Characterization, and Application to White Cheese	Zanganeh E., Mirzaei H., Jafari S.M., Javadi A., Afshar Mogaddam M.R.	Mirzaei, H.; Department of Food Hygiene, Iran; email: hmirzaei@iaut.ac.ir	10.1093/jaoacint/qsab162	link

143	Riboflavin as a green sorbent in dispersive micro-solid-phase extraction of several pesticides from fruit juices combined with dispersive liquid–liquid microextraction	Abbasalizadeh A., Sorouraddin S.M., Farajzadeh M.A., Marzi E., Afshar Mogaddam M.R.	Sorouraddin, S.M.; Department of Analytical Chemistry, Iran; email: ssoroureddin@tabrizu.ac.ir Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: Afsharmogaddam@tbzmed.ac.ir	10.1002/jssc.202100916	link
144	Sensing of carbamazepine by AlN and BN nanoclusters in gas and solvent phases: DFT and TD-DFT calculation	Hoseininezhad-Namin M.S., Rahimpour E., Aysil Ozkan S., Pargolghasemi P., Jouyban A.	Rahimpour, E.; Student Research Committee, Iran; email: rahimpour_e@yahoo.com	10.1016/j.molliq.2022.118750	link
145	Predicting the Drug Clearance Pathway with Structural Descriptors	Kaboudi N., Shayanfar A.	Shayanfar, A.; Pharmaceutical Analysis Research Center, Iran; email: shayanfara@tbzmed.ac.ir	10.1007/s13318-021-00748-3	link
146	An innovative electrically conductive biopolymer based on poly(β-cyclodextrin) towards recognition of ascorbic acid in real sample: Utilization of biocompatible advanced materials in biomedical analysis	Behyar M.B., Kholafazad-kordasht H., Hassanpour S., Hasanzadeh M.	Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1002/jmr.2953	link
147	Solubility, solvation analysis and enthalpy–entropy compensation of musk ketone in	Yao X., Wang G., Zhao H., Jouyban A., Acree W.E.	Zhao, H.; College of Chemistry & Chemical Engineering, China; email: hkzhao@yzu.edu.cn	10.1016/j.jct.2022.106727	link

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149	Anti-proliferative and Apoptotic Effect of Tetrahydrobenzo[h]quinoline on MCF-7 Human Breast Cancer Cell	Ghaffari M., Shanehbandi D., Sarhadi S., Ahagh M.H., Moghaddam M.M., Dehghan G., Ghodsi R., Nazhad Dolatabadi J.E.		10.34172/PS.2021.58	link
150	Solubilization Methods for Paclitaxel and Docetaxel: An Overview	Pourkarim F., Rahimpour E., Alvani-Alamdari S., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.34172/PS.2021.30	link
151	Michael H. Abraham and His Developed Parameters: Various Applications in Medicine, Chemistry and Biology	Jouyban A., Acree W.E., Jr.	Acree, W.E.; Department of Chemistry, United States; email: bill.acree@unt.edu	10.34172/PS.2022.1	link
152	Rational design of smart nano-platforms based on antifouling-nanomaterials toward multifunctional bioanalysis	Mahmoudpour M., Jouyban A., Soleymani J., Rahimi M.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: soleymanij@tbzmed.ac.ir Rahimi, M.; Lodz University of Technology, Stefanowskiego 16, Poland; email: mahdi.rahimi@p.lodz.pl	10.1016/j.cis.2022.102637	link

153	The regulatory role of autophagy-related miRNAs in lung cancer drug resistance	Shahverdi M., Hajiasgharzadeh K., Sorkhabi A.D., Jafarlou M., Shojaee M., Jalili Tabrizi N., Alizadeh N., Santarpia M., Brunetti O., Safarpour H., Silvestris N., Baradaran B.	Silvestris, N.; Medical Oncology Unit-IRCCS Istituto Tumori "Giovanni Paolo II" of Bari, Italy; email: n.silvestris@oncologico.bari.it Baradaran, B.; Immunology Research Center, Daneshghah Ave, Iran; email: baradaranb@tbzmed.ac.ir	10.1016/j.biopha.2022.112735	link
154	The expression pattern of VISTA in the PBMCs of relapsing-remitting multiple sclerosis patients: A single-cell RNA sequencing-based study	Derakhshani A., Asadzadeh Z., Baradaran B., Safarpour H., Rahmani S., Leone P., Abdoli Shadbad M., Hosseinkhani N., Ghasemigol M., Ayromlou H., Ahmadi H., Pouya S., Shojaee M., Tabrizi N.J., Miraki Feriz A., Safarzadeh E., Racanelli V.	Safarzadeh, E.; Department of Microbiology and Immunology, Iran; email: safarzadehelham@yahoo.com	10.1016/j.biopha.2022.112725	link
155	Peracetic acid activity on biofilm formed by Escherichia coli isolated from an industrial water system	Farjami A., Hatami M.S., Siahi-Shadbad M.R., Lotfipour F.	Lotfipour, F.; Food and Drug Safety Research Center, Iran; email: lotfipoor@tbzmed.ac.ir	10.1111/lam.13647	link
156	Solubility of favipiravir (as an anti-COVID-19) in supercritical carbon dioxide: An experimental analysis and thermodynamic modeling	Sajadian S.A., Ardestani N.S., Esfandiari N., Askarizadeh M., Jouyban A.	Sajadian, S.A.; South Zagros Oil and Gas Production, Iran; email: seyedali.sajadian@gmail.com	10.1016/j.supflu.2022.105539	link

157	Development of a gas–controlled deep eutectic solvent–based evaporation–assisted dispersive liquid–liquid microextraction approach for the extraction of pyrethroid pesticides from fruit juices	Nemati M., Farajzadeh M.A., Mogaddam M.R.A., Mohebbi A., Azimi A.R., Fattahi N., Tuzen M.	Mogaddam, M.R.A.; Food and Drug Safety Research Center, Iran; email: Afsharmogaddam@tbzmed.ac.ir	10.1016/j.microc.2022.107196	link
158	Comprehensive understanding on solubility and solvation performance of curcumin (form I) in aqueous co-solvent blends	Lv R., Zhang X., Xing R., Shi W., Zhao H., Li W., Jouyban A., Acree W.E.	Zhao, H.; College of Chemistry & Chemical Engineering, China; email: hkzhao@yzu.edu.cn	10.1016/j.jct.2021.106718	link
159	A flexible paper based electrochemical portable biosensor towards recognition of ractopamine as animal feed additive: Low cost diagnostic tool towards food analysis using aptasensor technology	Kordasht H.K., Saadati A., Hasanzadeh M.	Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1016/j.foodchem.2021.131411	link
160	Environmental protection based on the nanobiosensing of bacterial lipopolysaccharides (LPSs): material and method overview	Mobed A., Hasanzadeh M.	Mobed, A.; Aging Research Institute, Iran; email: Mobeda@tbzmed.ac.ir Hasanzadeh, M.; Pharmaceutical Analysis Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1039/d1ra09393b	link
161	Development of dispersive solid-liquid extraction	Nemati M., Tuzen M., Farazajdeh	Afshar Mogaddam, M.R.; Food and Drug Safety Research	10.1016/j.aca.2022.339570	link

	method based on organic polymers followed by deep eutectic solvents elution; application in extraction of some pesticides from milk samples prior to their determination by HPLC-MS/MS	M.A., Kaya S., Afshar Mogaddam M.R.	Center, Iran; email: mr.afsharmogaddam@yahoo.com		
162	Concanavalin A-conjugated gold nanoparticle/silica quantum dot (AuNPs/SiQDs-Con A)-based platform as a fluorescent nanoprobe for the bioimaging of glycan-positive cancer cells	Jafarzadeh S., Bargahi N., Shamloo H.B., Soleymani J.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: jsoleymanii@gmail.com	10.1039/d2ra00035k	link
163	Erratum: Determination of aflatoxin M1 using an aptamer-based biosensor immobilized on the surface of dendritic fibrous nano-silica functionalized by amine groups (Analytical Methods (2019) 11 (3910-3919) DOI: 10.1039/C9AY01185D)	Kholafazad kordasht H., Moosavy M.-H., Hasanzadeh M., Soleymani J., Mokhtarzadeh A.	Moosavy, M.-H.; Department of Food Hygiene and Aquatics, Iran; email: mhmoosavy@gmail.com Hasanzadeh, M.; Drug Applied Research Center, Iran; email: hasanzadehm@tbzmed.ac.ir	10.1039/d2ay90029g	link
164	Novel nanocomposite scaffold based on gelatin/PLGA-PEG-PLGA hydrogels embedded with TGF-β1 for chondrogenic	Ghandforoushan P., Hanaee J., Aghazadeh Z., Samiei M., Navali A.M., Khatibi A., Davaran S.	Davaran, S.; Department of Medicinal chemistry, Iran; email: davaran@tbzmed.ac.ir	10.1016/j.ijbiomac.2021.12.097	link

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165	Further computations on physico-chemical properties of binary mixtures of p-cymene with α-pinene, limonene and citral	Nazemieh A., Acree W.E., Jr., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.1016/j.molliq.2021.118211	link
166	Electrochemical genosensor based on gold nanostars for the detection of Escherichia coli O157:H7 DNA	Razmi N., Hasanzadeh M., Willander M., Nur O.	Razmi, N.; Physics and Electronics, Sweden; email: Nasrin.razmi@liu.se Willander, M.; Physics and Electronics, Sweden; email: magnus.willander@liu.se	10.1039/d2ay00056c	link
167	Layered double hydroxide nanostructures as drug-carriers in treatment of breast cancer	Hosseini K., Soofiyani S.R., Zamiri R.E., Farjami A., Dilmaghani A., Mahdavi M., Tarhriz V., Yousefi V.	Tarhriz, V.; Molecular Medicine Research Center, Iran; email: tarhrizv@tbzmed.ac.ir Yousefi, V.; Molecular Medicine Research Center, Iran; email: vahid.yousefi@chemist.com	10.22038/NMJ.2022.63097.1661	link
168	Nanomaterials and Stem Cell Differentiation Potential: An Overview of Biological Aspects and Biomedical Efficacy	Ehsani A., Jodaei A., Barzegar-Jalali M., Fathi E., Farahzadi R., Adibkia K.	Farahzadi, R.; Hematology and Oncology Research Center, Iran; email: farahzadir@tbzmed.ac.ir Adibkia, K.; Research Center for Pharmaceutical Nanotechnology, Iran; email: adibkia@tbzmed.ac.ir	10.2174/0929867328666210712193113	link
169	Drug Solubility Correlation Using the Jouyban–Acree Model: Effects of Concentration	Rahimpour E., Alvani-Alamdari S., Acree W.E., Jr., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.3390/molecules27061998	link

	Units and Error Criteria				
170	Ni3S2 nanosheets decorated on NiCo2O4 flakes-arrays directional growth of Ni foam for enhanced electrochemical hydrogen generation	Mohammadpour E., Asadpour-Zeynali K.	Asadpour-Zeynali, K.; Department of Analytical Chemistry, Iran; email: asadpour@tabrizu.ac.ir	10.1016/j.jelechem.2022.116110	link
171	Contribution from non-ideality and preferential solvation to non-linear solvatochromism in binary mixtures	Yao X., Fang R., Zhao H., Farajtabar A., Jouyban A., Acree W.E., Jr.	Zhao, H.; College of Chemistry & Chemical Engineering, China; email: hkzhao@yzu.edu.cn	10.1016/j.molliq.2022.118515	link
172	B7 immune checkpoint family members as putative therapeutics in autoimmune disease: An updated overview	Dolatkhah K., Alizadeh N., Mohajjel-Shoja H., Abdoli Shadbad M., Hajiasgharzadeh K., Aghebati-Maleki L., Baghbanzadeh A., Hosseinkhani N., Karim Ahangar N., Baradaran B.	Baradaran, B.; Immunology Research Center, Iran; email: baradaranb@tbzmed.ac.ir	10.1111/1756-185X.14273	link
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	eutectic solvent at different temperatures		parisajafary14@gmail.com		
175	Thermodynamic study and preferential solvation of sulfamerazine in acetonitrile + methanol cosolvent mixtures at different temperatures	Cárdenas-Torres R.E., Ortiz C.P., Acree W.E., Jr, Jouyban A., Martínez F., Delgado D.R.	Delgado, D.R.; Universidad Cooperativa de Colombia, Calle 11 No. 1- 51, Neiva, Huila, Colombia; email: danielr.delgado@campusucc.edu.co	10.1016/j.molliq.2021.118172	link
176	Solubility of montelukast (as a potential treatment of COVID -19) in supercritical carbon dioxide: Experimental data and modelling	Sajadian S.A., Ardestani N.S., Jouyban A.	Sajadian, S.A.; South Zagros Oil and Gas Production, Postal Code 7135717991, Iran; email: seyedali.sajadian@gmail.com	10.1016/j.molliq.2021.118219	link
177	Development of sodium hydroxide-induced homogenous liquid-liquid extraction-effervescent assisted dispersive liquid-liquid microextraction based on deep eutectic solvents; Application in the extraction of phytosterols from cow cream samples	Nemati M., Tuzen M., Altunay N., Farajzdeh M.A., Abdi F., Afshar Mogaddam M.R.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1016/j.jfca.2021.104291	link
178	Solubility, solvent effect, enthalpy–entropy compensation and solvation thermodynamics of 4-(bromomethyl)-2(1H)-quinolinone	Yao X., Zhu P., Jouyban A., Acree W.E., Jr., Zhao H.	Zhao, H.; College of Chemistry & Chemical Engineering, China; email: hkzhao@yzu.edu.cn	10.1016/j.jct.2021.106670	link

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179	Development of an in–syringe gas–assisted density tunable solidification of floating organic droplet–based dispersive liquid phase microextraction method coupled with HPLC–MS/MS for monitoring amikacin in biological fluids	Mohebbi A., Jouyban A., Farajzadeh M.A., Afshar Mogaddam M.R., Nemati M.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com Nemati, M.; Food and Drug Safety Research Center, Iran; email: nematim@tbzmed.ac.ir	10.1016/j.jpba.2021.114552	link
180	Exploring the binding mode between potassium bromate and Bovine serum Albumin: Multi-Spectroscopic and molecular modeling analysis	Mahmoudpour M., Karimzadeh Z., Yekta R., Torbati M., Ezzati Nazhad Dolatabadi J.	Ezzati Nazhad Dolatabadi, J.; Drug Applied Research Center, Iran; email: ezzatij@tbzmed.ac.ir	10.1016/j.molliq.2021.118060	link
181	Solubility of sinapic acid in some (ethylene glycol + water) mixtures: Measurement, computational modeling, thermodynamics, and preferential solvation	Shakeel F., Haq N., Alam P., Jouyban A., Ghoneim M.M., Alshehri S., Martinez F.	Alshehri, S.; Department of Pharmacy Practice, Ad Diriyah 13713, Saudi Arabia; email: salshehri@ksu.edu.sa	10.1016/j.molliq.2021.118057	link
182	Electrochemical Synthesis of Tungstate Bimetallic Nanoparticles with Application in Electrocatalytic Determination of Paracetamol	Azizi S., Asadpour-Zeynali K.	Asadpour-Zeynali, K.; Department of Analytical Chemistry, Iran; email: asadpour@tabrizu.ac.ir	10.1002/slct.202104548	link

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184	Application of nanogels as drug delivery systems in multicellular spheroid tumor model	Dalir Abdolahinia E., Barati G., Ranjbar-Navazi Z., Kadkhoda J., Islami M., Hashemzadeh N., Maleki Dizaj S., Sharifi S.	Maleki Dizaj, S.; Dental and Periodontal Research Center, Iran; email: maleki.s.89@gmail.com Sharifi, S.; Dental and Periodontal Research Center, Iran; email: sharifi.ghazi@gmail.com	10.1016/j.jddst.2022.103109	link
185	Solubility of amlodipine besylate in binary mixtures of polyethylene glycol 400 + water at various temperatures: Measurement and modelling	Behboudi E., Soleymani J., Martinez F., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.1016/j.molliq.2021.118394	link
186	Solubility of baclofen in some neat and mixed solvents at different temperatures	Rezaei H., Rahimpour E., Zhao H., Martinez F., Barzegar-Jalali M., Jouyban A.	Rahimpour, E.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: rahimpour_e@yahoo.com	10.1016/j.molliq.2021.118352	link
187	Reliable recognition of DNA methylation using bioanalysis of hybridization on the surface of Ag/GQD nanocomposite	Adampourezare M., Saadati A., Hasanzadeh M., Dehghan G., Feizi M.-A.H.	Dehghan, G.; Department of Biology, Iran; email: dehghan2001d@yahoo.com Hasanzadeh, M.; Pharmaceutical Analysis Research	10.1002/jmr.2945	link

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188	The importance of immune checkpoints in immune monitoring: A future paradigm shift in the treatment of cancer	Alemohammad H., Najafzadeh B., Asadzadeh Z., Baghbanzadeh A., Ghorbaninezhad F., Najafzadeh A., Safarpour H., Bernardini R., Brunetti O., Sonnessa M., Fasano R., Silvestris N., Baradaran B.	Silvestris, N.; Medical Oncological Unite, Italy; email: n.silvestris@oncologico.bari.it Baradaran, B.; Immunology Research Center, Iran; email: baradaranb@tbzmed.ac.ir	10.1016/j.biopha.2021.112516	link
189	Applications of magnetic materials in the fabrication of microfluidic-based sensing systems: Recent advances	Nakhlband A., Kholafazad-Kordasht H., Rahimi M., Mokhtarzadeh A., Soleymani J.	Soleymani, J.; Pharmaceutical Analysis Research Center, Iran; email: jsoleymanii@gmail.com	10.1016/j.microc.2021.107042	link
190	Headspace μ–solid phase extraction of 1,4–dioxane and 2–methyl–1,3–dioxolane from shampoo samples in a home–mode device and large volume injection of deep eutectic solvent: Theoretical and experimental studies	Afshar Mogaddam M.R., Altunay N., Tuzen M., Katin K.P., Nemati M., Lotfipour F.	Nemati, M.; Food and Drug Safety Research Center, Iran; email: nematim@tbzmed.ac.ir	10.1016/j.microc.2021.107040	link
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	based dispersive micro solid phase extraction method combined with dispersive liquid-liquid microextraction for selected mycotoxins from soymilk samples	M.A., Afshar Mogaddam M.R., Lotfipour F.	Center, Iran; email: afsharmogaddam@tbzmed.ac.ir		
192	Synthesis of carbon modified with polymer of diethylenetriamine and trimesoyl chloride for the dual removal of Hg (II) and methyl mercury ([CH3Hg]+) from wastewater: Theoretical and experimental analyses	Tuzen M., Sarı A., Afshar Mogaddam M.R., Kaya S., Katin K.P., Altunay N.	Tuzen, M.; Tokat Gaziosmanpasa University, Turkey; email: mustafa.tuzen@gop.edu.tr	10.1016/j.matchemphys.2021.125501	link
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194	A PCR-free genosensing platform for detection of Shigella dysenteriae in human plasma samples by porous and honeycomb-like biochar decorated with ultrathin flower-like MoS2 nanosheets incorporated with Au nanoparticles	Sohrabi H., Majidi M.R., Asadpour-Zeynali K., Khataee A., Dastborhan M., Mokhtarzadeh A.	Majidi, M.R.; Department of Analytical Chemistry, Iran; email: majidi@tabrizu.ac.ir Mokhtarzadeh, A.; Immunology Research Center, Iran; email: mokhtarzadehah@tbzmed.ac.ir	10.1016/j.chemosphere.2021.132531	link

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196	An overview on nanostructure-modified supported liquid membranes for the electromembrane extraction method	Hoseininezhad-Namin M.S., Rahimpour E., Ozkan S.A., Jouyban A.	Rahimpour, E.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: Rahimpour_e@yahoo.com	10.1039/d1ay01833g	link
197	A Systematic Review on PD-1 Blockade and PD-1 Gene-Editing of CAR-T Cells for Glioma Therapy: From Deciphering to Personalized Medicine	Abdoli Shadbad M., Hemmat N., Khaze Shahgoli V., Derakhshani A., Baradaran F., Brunetti O., Fasano R., Bernardini R., Silvestris N., Baradaran B.	Baradaran, B.; Immunology Research Center, Iran; email: baradaranb@tbzmed.ac.ir Silvestris, N.; Medical Oncology Unit, Italy; email: n.silvestris@oncologico.bari.it	10.3389/fimmu.2021.788211	link
198	Solubility of caffeine in N-methyl-2-pyrrolidone + 1-propanol mixtures at different temperatures	Rezaei H., Jouyban A., Zhao H., Martinez F., Rahimpour E.	Rahimpour, E.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: rahimpour_e@yahoo.com	10.1016/j.molliq.2021.117067	link
199	A rapid and simple capillary electrophoresis procedure for quantification of vanillylmandelic acid in urine samples [Um procedimento	Seyfinejad B., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.15446/rcciquifa.v51n3.107382	link

	rápido e simples de eletroforese capilar para a quantificação de ácido vanilmandélico em amostras de urina] [Un procedimiento de electroforesis capilar rápido y simple para la cuantificación de ácido vanililmandélico en muestras de orina]				
200	Modeling the solubility of ketoprofen in mono-solvents at various temperatures [Modelando a solubilidade do cetoprofeno em monossolventes em várias temperaturas] [Modelación de la solubilidad del ketoprofeno en mono-solventes a varias temperaturas]	Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.15446/rcciquifa.v51n3.107383	link
201	Determination of vitamins B1 and B6 in infant formula and food supplement samples using magnetic layered double hydroxide nanoadsorbent before liquid chromatography-tandem mass spectrometry	Zamani-Kalajahi M., Abolhassani A., Hamidi S., Nemati M.	Hamidi, S.; Food and Drug Safety Research Center, Iran; email: hamidisamin@gmail.com	10.1080/10826076.2023.2192282	link

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211	Investigations of the molecular mechanism of diltiazem binding to human serum albumin in the	Farsad S.A., Haghaei H., Shaban M., Zakariazadeh M., Soltani S.	Soltani, S.; Drug Applied Research Center and Pharmacy Faculty, Iran; email: soltanis@tbzmed.ac.ir	10.1080/07391102.2021.1891137	link

	presence of metal ions, glucose and urea				
212	Deep Eutectic Solvents for Extraction and Preconcentration of Organic and Inorganic Species in Water and Food Samples: A Review	Lanjwani M.F., Tuzen M., Khuhawar M.Y., Afshar Mogaddam M.R., Farajzadeh M.A.	Tuzen, M.; Faculty of Science and Arts, Turkey; email: mustafa.tuzen@gop.edu.tr	10.1080/10408347.2022.2111655	link
213	Simulation of density, viscosity and ultrasonic velocity data of 3-bromoanisole + methanol mixtures at different temperatures	Jouyban A.		10.15446/rcciquifa.v51n1.102722	link
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216	Solubility of amlodipine besylate in acetonitrile + water binary mixtures at various temperatures: Determination,	Behboudi E., Soleymani J., Martinez F., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.1080/00319104.2022.2068012	link

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217	Homogenous dispersive solid phase extraction combined with ionic liquid based-dispersive liquid–liquid microextraction of gentamicin and streptomycin from milk prior to HPLC-MS/MS analysis	Jouyban A., Nemati M., Farajzadeh M.A., Soleymani J., Afshar Mogaddam M.R.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1007/s13738-022-02606-8	link
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	Prostate Cancer Cell Line	Hajiasgharzadeh K., Baradaran B.			
222	Determination and correlation of naproxen solubility in polyethylene glycol dimethyl ether 250 and water mixtures	Barzegar-Jalali M., Jafari P., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center, Iran; email: ajouyban@hotmail.com	10.1080/00319104.2022.2057980	link
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231	Development of an Ion-Pair Dispersive Liquid-Liquid Microextraction Method Based on a Ternary Deep Eutectic Solvent for Determination of Some Herbicide	Torbati M., Gonbari Milani P., Farajzadeh M.A., Afshar Mogaddam M.R.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: mr.afsharmogaddam@yahoo.com	10.1093/chromsci/bmab026	link

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233	Equilibrium solubility of trans-resveratrol in {acetone (1) + water (2)} mixtures: Correlation, dissolution thermodynamics and preferential solvation	Martínez F., Jouyban A., Acree W.E., Jr.	Martínez, F.; Grupo de Investigaciones Farmacéutico-Fisicoquímicas, Sede Bogotá, Cra. 30 No. 45-03, Colombia; email: fmartinezr@unal.edu.co	10.1080/00319104.2021.2021522	link
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236	An overview of zinc oxide nanoparticles produced by plant extracts for anti-	Behzad F., Sefidgar E., Samadi A., Lin W., Pouladi I., Pi J.	Pouladi, I.; Department of Microbiol-ogy, Iran; email: imanpouladi96a@gmail.com Pi, J.; Department of	10.2174/0929867328666210614122109	link

	tuberculosis treatments		Clinical Immunology, China; email: jiangpi@gdmu.edu.cn		
237	Solubility study of naproxen in the binary mixture of ethanol and ethylene glycol at different temperatures	Sayari H., Zarghampour A., Zhao H., Hanaee J., Rahimpour E., Jouyban A.	Rahimpour, E.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: rahimpour_e@yahoo.com	10.1016/j.molliq.2021.118175	link
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242	Salt-induced homogenous solid phase extraction of hydroxylated metabolites of polycyclic aromatic hydrocarbons from urine samples using a deep eutectic solvent as an elution solvent prior to HPLC-FLD analysis	Jouyban A., Nemati M., Farazajdeh M.A., Yazdani A., Afshar Mogaddam M.R.	Afshar Mogaddam, M.R.; Food and Drug Safety Research Center, Iran; email: afsharmogaddam@tbzmed.ac.ir	10.1016/j.microc.2021.106932	link
243	Bimetallic Fe/Mn MOFs/MβCD/AuNPs stabilized on MWCNTs for developing a label-free DNA-based genosensing bio-assay applied in the determination of Salmonella typhimurium in milk samples	Sohrabi H., Majidi M.R., Asadpour-Zeynali K., Khataee A., Mokhtarzadeh A.	Majidi, M.R.; Department of Analytical Chemistry, Iran; email: sr.majidi@gmail.com Mokhtarzadeh, A.; Immunology Research Center, Iran; email: mokhtarzadehah@tbzmed.ac.ir	10.1016/j.chemosphere.2021.132373	link
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246	Study of naproxen dissolution in the mixtures of a choline-based deep eutectic solvent + water at different temperatures	Moradi M., Jouyban A.	Jouyban, A.; Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Iran; email: ajouyban@hotmail.com	10.1016/j.molliq.2021.117023	link
247	Solubility of trans-resveratrol in {ethanol (1) + water (2)} mixtures revisited: Correlation, dissolution thermodynamics and preferential solvation	Romdhani A., Martínez F., Peña Á., Rahimpour E., Jouyban A., Acree W.E., Jr.	Martínez, F.; Grupo De Investigaciones Farmacéutico-Fisicoquímicas, Sede Bogotá, Cra. 30 No. 45-03, D. C., Colombia; email: fmartinezr@unal.edu.co	10.1080/00319104.2021.1939345	link
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252	Solubility of 3-aminosalicylic acid in 2-propanol + water mixtures at different temperatures	Sheikhi-Sovari A., Rahimpour E., Martinez F., Hemmati S., Zhao H., Jouyban A.	Jouyban, A.; Food and Drug Safety Research Center, Iran; email: ajouyban@hotmail.com	10.1080/00319104.2021.1916935	link
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256	Development of a stirring–assisted ferrofluid–based liquid phase microextraction method coupled with dispersive liquid–liquid microextraction for the extraction of some widely used pesticides from herbal distillates	Mohebbi A., Farajzadeh M.A., Nemati M., Mogaddam M.R.A.	Mogaddam, M.R.A.; Food and Drug Safety Research Center, Iran; email: Afsharmogaddam@tbzmed.ac.ir	10.1080/03067319.2020.1830985	link
257	Extraction of some antibiotics from propolis samples using homogenous liquid–liquid extraction coupled with deep eutectic solvent–based hollow fibre protected preconcentration	Shahi M., Javadi A., Mogaddam M.R.A., Mirzaei H., Nemati M.	Javadi, A.; Department of Food Hygiene, Iran; email: afshinjavadi@yahoo.com	10.1080/03067319.2020.1811261	link
258	Combination of dispersive solid phase extraction with lighter than water dispersive liquid–liquid microextraction for the extraction of organophosphoro	Zeiadi S., Mogaddam M.R.A., Farajzadeh M.A., Khandaghi J.	Khandaghi, J.; Department of Food Science and Technology, Iran; email: khandaghi@iausa.ac.ir	10.1080/03067319.2020.1804892	link

	us pesticides from milk				
259	Application of a modified lighter than water organic solvent-based air-assisted liquid–liquid microextraction method for the efficient extraction of aflatoxin M1 in unpasteurized milk samples	Mogaddam M.R.A., Derakhshani M., Farajzadeh M.A., Nemati M., Lotfipour F.	Lotfipour, F.; Food and Drug Safety Research Center, Iran; email: Farzanlotfi246@gmail.com	10.1080/03067319.2020.1780221	link
260	Simultaneous homogeneous liquid–liquid microextraction and dispersive liquid–liquid microextraction for extraction of some plasticizers from polymeric containers and aqueous samples	Mogaddam M.R.A., Farajzadeh M.A., Nemati M., Mohebbi A., Khodadadeian F.	Mohebbi, A.; Food and Drug Safety Research Center, Iran; email: alimohebi03@gmail.com	10.1080/03067319.2020.1784886	link
261	Application of natural deep eutectic solvents-based in-syringe dispersive liquid-liquid microextraction for the extraction of five acaricides in egg samples	Mogaddam M.R.A., Nemati M., Farajzadeh M.A., Lotfipour F., Nabil A.A.A., Mohebbi A., Ghorbanpour H.	Ghorbanpour, H.; Food and Drug Safety Research Center, Iran; email: h.Ghorbanpour689@gmail.com	10.1080/03067319.2020.1774568	link
262	Application of temperature-assisted tandem dispersive liquid–liquid microextraction for the extraction and high preconcentration of triazole pesticides	Mogaddam M.R.A., Farajzadeh M.A., Mohebbi A.	Mohebbi, A.; Food and Drug Safety Research Center, Iran; email: a.mohebi@tabrizu.ac.ir	10.1080/03067319.2020.1773453	link

263	Determination of three antibiotic residues in hamburger and cow liver samples using deep eutectic solvents based pretreatment method coupled with ion mobility spectrometry	Saei A., Javadi A., Mogaddam M.R.A., Mirzaei H., Nemati M.	Javadi, A.; Department of Food Hygiene, Iran; email: javadi@iaut.ac.ir	10.1080/03067319.2020.1759564	link
264	Stir bar sorptive extraction combined with deep eutectic solvent-based dispersive liquid–liquid microextraction: application in simultaneous derivatisation and extraction of acidic pesticides	Mogaddam M.R.A., Farajzadeh M.A., Mohebbi A., Nemati M.	Nemati, M.; Food and Drug Safety Research Center, Iran; email: nematim@tbzmed.ac.ir	10.1080/03067319.2020.1758687	link
265	Development of microwave radiations-induced homogeneous liquid-liquid microextraction method for extraction of pyrethroid pesticides in fruit and vegetable samples	Sheikhzadeh F., Mogaddam M.R.A., Farajzadeh M.A., Khandaghi J.	Khandaghi, J.; Department of Food Science and Technology, Iran; email: khandaghi@iausa.ac.ir	10.1080/03067319.2020.1758686	link
266	Deep eutectic solvent-based QuEChERS method combined with dispersive liquid–liquid microextraction for extraction of benzoylurea insecticides in	Rastpour N., Khandaghi J., Farajzadeh M.A., Mogaddam M.R.A.	Mogaddam, M.R.A.; Food and Drug Safety Research, Iran; email: mr.afsharmogaddam@yahoo.com	10.1080/03067319.2020.1759568	link

	cabbage leaves samples				
267	Development of an ultrasonic-assisted and effervescent tablet-assisted dispersive liquid–liquid microextraction based on ionic liquids for analysis of benzoylurea insecticides	Bamorowat M., Mogaddam M.R.A., Farajzadeh M.A.	Farajzadeh, M.A.; Department of Analytical Chemistry, Iran; email: mafarajzadeh@tabrizu.ac.ir	10.1080/03067319.2020.1743832	link
268	Evaluation of heavy metals (Cd, Cr, Hg, Ni, As, and Pb) concentration in salt samples of Lake Urmia, Iran	Baygan A., Mogaddam M.R.A., Lotfipour F., Nemati M.	Nemati, M.; Food and Drug Safety Research Center, Iran; email: nematim@tbzmed.ac.ir	10.1080/03067319.2020.1742890	link
269	Development of simultaneously salt and ultrasonic-assisted liquid phase microextraction for the extraction of neonicotinoid insecticides from fresh fruit juices and fruit juices	Mogaddam M.R.A., Farajzadeh M.A., Khodadadeian F., Nemati M., Mohebbi A.	Mohebbi, A.; Department of Analytical Chemistry, Iran; email: alimohebi03@gmail.com	10.1080/03067319.2020.1742892	link