Hadi Tabani

List of Publications by Year
in descending order

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44 papers	1,424 citations	218381 26 h-index	329751 37 g-index
44 all docs	44 docs citations	44 times ranked	1125 citing authors

#	Article	IF	Citations
1	Combination of graphene oxide-based solid phase extraction and electro membrane extraction for the preconcentration of chlorophenoxy acid herbicides in environmental samples. Journal of Chromatography A, 2013, 1300, 227-235.	1.8	100
2	Synthesis, characterization and analytical application of Zn(II)-imprinted polymer as an efficient solid-phase extraction technique for trace determination of zinc ions in food samples. Journal of Food Composition and Analysis, 2014, 34, 81-89.	1.9	71
3	Introduction of agarose gel as a green membrane in electromembrane extraction: An efficient procedure for the extraction of basic drugs with a wide range of polarities. Journal of Chromatography A, 2017, 1497, 47-55.	1.8	68
4	Electromembrane extraction combined with cyclodextrinâ€modified capillary electrophoresis for the quantification of trimipramine enantiomers. Electrophoresis, 2012, 33, 506-515.	1.3	65
5	Recent developments in green membrane-based extraction techniques for pharmaceutical and biomedical analysis. Journal of Pharmaceutical and Biomedical Analysis, 2018, 160, 244-267.	1.4	65
6	Simultaneous determination of acidic and basic drugs using dual hollow fibre electromembrane extraction combined with CE. Electrophoresis, 2013, 34, 269-276.	1.3	58
7	Recent advances in robotic protein sample preparation for clinical analysis and other biomedical applications. Clinica Chimica Acta, 2020, 507, 104-116.	0.5	54
8	A new platform for sensing urinary morphine based on carrier assisted electromembrane extraction followed by adsorptive stripping voltammetric detection on screen-printed electrode. Biosensors and Bioelectronics, 2014, 54, 189-194.	5.3	53
9	An overview on the recent applications of agarose as a green biopolymer in micro-extraction-based sample preparation techniques. Talanta, 2021, 224, 121892.	2.9	51
10	Application of polyacrylamide gel as a new membrane in electromembrane extraction for the quantification of basic drugs in breast milk and wastewater samples. Journal of Pharmaceutical and Biomedical Analysis, 2018, 151, 178-185.	1.4	50
11	An all-in-one electro-membrane extraction: Development of an electro-membrane extraction method for the simultaneous extraction of acidic and basic drugs with a wide range of polarities. Journal of Chromatography A, 2014, 1361, 95-99.	1.8	48
12	Electrically-enhanced microextraction combined with maltodextrin-modified capillary electrophoresis for quantification of tolterodine enantiomers in biological samples. Microchemical Journal, 2013, 106, 186-193.	2.3	46
13	Determination of Cr(III) and Cr(VI) in water by dual-gel electromembrane extraction and a microfluidic paper-based device. Environmental Chemistry Letters, 2020, 18, 187-196.	8.3	46
14	Electro-driven extraction of polar compounds using agarose gel as a new membrane: Determination of amino acids in fruit juice and human plasma samples. Talanta, 2018, 179, 318-325.	2.9	45
15	Evaluation of dispersive liquidâ€“liquid microextraction by coupling with green-based agarose gel-electromembrane extraction: An efficient method to the tandem extraction of basic drugs from biological fluids. Talanta, 2019, 199, 329-335.	2.9	40
16	Optimization of electromembrane extraction combined with differential pulse voltammetry using modified screen-printed electrode for the determination of sufentanil. Electrochimica Acta, 2013, 96, 117-123.	2.6	38
17	Low-voltage electromembrane extraction combined with cyclodextrin modified capillary electrophoresis for the determination of phenoxy acid herbicides in environmental samples. Analytical Methods, 2013, 5, 1548.	1.3	37
18	Gel electromembrane extraction: Study of various gel types and compositions toward diminishing the electroendosmosis flow. Microchemical Journal, 2020, 153, 104520.	2.3	36

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19	Electrically Assisted Liquidâ€Phase Microextraction Combined With Capillary Electrophoresis for Quantification of Propranolol Enantiomers in Human Body Fluids. Chirality, 2014, 26, 260-267.	1.3	35
20	A novel platform sensing based on combination of electromembrane-assisted solid phase microextraction with linear sweep voltammetry for the determination of tramadol. Journal of Electroanalytical Chemistry, 2015, 747, 12-19.	1.9	32
21	Separation of enantiomers of selected chiral sulfoxides with cellulose tris(4-chloro-3-methylphenylcarbamate)-based chiral columns in high-performance liquid chromatography with very high separation factor. Journal of Chromatography A, 2018, 1545, 59-66.	1.8	32
22	Inside gel electromembrane extraction: A novel green methodology for the extraction of morphine and codeine from human biological fluids. Journal of Pharmaceutical and Biomedical Analysis, 2020, 184, 113175.	1.4	30
23	Investigation of Cracking by Cylindrical Dielectric Barrier Discharge Reactor on the n-Hexadecane as a Model Compound. IEEE Transactions on Plasma Science, 2011, 39, 1807-1813.	0.6	29
24	Application of pH-sensitive magnetic nanoparticles microgel as a sorbent for the preconcentration of phenoxy acid herbicides in water samples. Journal of Chromatography A, 2015, 1407, 21-29.	1.8	29
25	Evaluation of sulfated maltodextrin as a novel anionic chiral selector for the enantioseparation of basic chiral drugs by capillary electrophoresis. Electrophoresis, 2015, 36, 305-311.	1.3	27
26	Rotating electrode in electro membrane extraction: a new and efficient methodology to increase analyte mass transfer. RSC Advances, 2016, 6, 101869-101879.	1.7	27
27	Immersed single-drop microextraction combined with gas chromatography for the determination of sufentanil and alfentanil in urine and wastewater samples. Analytical Methods, 2011, 3, 951.	1.3	23
28	Gel electromembrane extraction using rotating electrode: A new strategy for mass transfer enhancement of basic drugs from real human urine samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1152, 122258.	1.2	23
29	Gel electromembrane microextraction followed by ion chromatography for direct determination of iodine in supplements and fortified food samples: Green chemistry for food analysis. Food Chemistry, 2021, 358, 129857.	4.2	22
30	Introduction of high nitrogen doped graphene as a new cationic carrier in electromembrane extraction. Electrophoresis, 2016, 37, 1191-1200.	1.3	17
31	Introduction of Fullerene as a New Carrier in Electromembrane Extraction for the Determination of Ibuprofen and Sodium Diclofenac as Model Acidic Drugs in Real Urine Samples. Chromatographia, 2017, 80, 881-890.	0.7	16
32	Evaluation of complexing agents in the gel electro-membrane extraction: An efficient approach for the quantification of zinc (II) ions in water samples. Talanta, 2022, 238, 123031.	2.9	16
33	Miniaturized hollow fibre assisted liquidâ€phase microextraction and gas chromatography for determination of trace concentration of sufentanil and alfentanil in biological samples. Drug Testing and Analysis, 2013, 5, 589-595.	1.6	15
34	Evaluation of three dimensional high nitrogen doped graphene as an efficient sorbent for the preconcentration of BTEX compounds in environmental samples. RSC Advances, 2016, 6, 7198-7211.	1.7	13
35	Maltodextrins as Chiral Selectors in CE: Molecular Structure Effect of Basic Chiral Compounds on the Enantioseparation. Chirality, 2014, 26, 620-628.	1.3	12
36	Gel electro-membrane extraction of propranolol and atenolol from blood serum samples: Effect of graphene-based nanomaterials on extraction efficiency of gel membrane. Talanta, 2021, 222, 121557.	2.9	12

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37	Introduction of graphene-periodic mesoporous silica as a new sorbent for removal: experiment and simulation. Research on Chemical Intermediates, 2019, 45, 1795-1813.	1.3	10
38	Two-phase agarose gel-electromembrane extraction: Effect of organic solvent as an acceptor phase in electroendosmosis flow phenomenon. Journal of Pharmaceutical and Biomedical Analysis, 2021, 195, 113862.	1.4	10
39	A low-voltage electro-membrane extraction for quantification of imatinib and sunitinib in biological fluids. Bioanalysis, 2021, 13, 1401-1413.	0.6	10
40	Simultaneous separation and quantification of acidic and basic dye specimens via a dual gel electro-membrane extraction from real environmental samples. Journal of the Iranian Chemical Society, 2021, 18, 2091.	1.2	9
41	Introduction of nitrogen doped graphene nanosheets as efficient adsorbents for nitrate removal from aqueous samples. Journal of Environmental Health Science & Engineering, 2021, 19, 1875-1886.	1.4	2
42	Recent Advances in Membrane Extraction Techniques for Environmental Samples Analysis. , 2018, , 1-33.		1
43	Recent Advances in Membrane Extraction Techniques for Environmental Samples Analysis. , 2019, , 1209-1241.		1
44	Liquid-Phase Microextraction Approaches for Preconcentration and Analysis of Chiral Compounds: A Review on Current Advances.. Critical Reviews in Analytical Chemistry, 2022, , 1-15.	1.8	0