

Mohammad T Jafari

List of Publications by Year in descending order

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69
papers

1,757
citations

279798

23
h-index

302126

39
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70
all docs

70
docs citations

70
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of 2,4,6-trinitrotoluene, pentaerythritol tetranitrate and cyclo-1,3,5-trimethylene-2,4,6-trinitramine using negative corona discharge ion mobility spectrometry. <i>Talanta</i> , 2003, 59, 327-333.	5.5	128
2	Polypyrrole/montmorillonite nanocomposite as a new solid phase microextraction fiber combined with gas chromatography- corona discharge ion mobility spectrometry for the simultaneous determination of diazinon and fenthion organophosphorus pesticides. <i>Analytica Chimica Acta</i> , 2014, 814, 69-78.	5.4	112
3	A new method based on electrospray ionisation ion mobility spectrometry (ESI-IMS) for simultaneous determination of caffeine and theophylline. <i>Food Chemistry</i> , 2011, 126, 1964-1970.	8.2	87
4	Carbon nanotubes@silicon dioxide nanohybrids coating for solid-phase microextraction of organophosphorus pesticides followed by gas chromatography- corona discharge ion mobility spectrometric detection. <i>Journal of Chromatography A</i> , 2016, 1429, 30-39.	3.7	86
5	Ion Mobility Spectrometry as a Detector for Molecular Imprinted Polymer Separation and Metronidazole Determination in Pharmaceutical and Human Serum Samples. <i>Analytical Chemistry</i> , 2009, 81, 3585-3591.	6.5	74
6	Determination of veterinary drug residues in chicken meat using corona discharge ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2007, 581, 147-153.	5.4	64
7	Quantitative analysis of morphine and noscapine using corona discharge ion mobility spectrometry with ammonia reagent gas. <i>Talanta</i> , 2006, 69, 795-799.	5.5	59
8	Low-Temperature Plasma Ionization Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 797-803.	6.5	51
9	Sol-gel/nanoclay composite as a solid-phase microextraction fiber coating for the determination of organophosphorus pesticides in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1241-1252.	3.7	40
10	Improved design for high resolution electrospray ionization ion mobility spectrometry. <i>Talanta</i> , 2009, 77, 1632-1639.	5.5	39
11	Porous magnetized carbon sheet nanocomposites for dispersive solid-phase microextraction of organophosphorus pesticides prior to analysis by gas chromatography-ion mobility spectrometry. <i>Mikrochimica Acta</i> , 2019, 186, 88.	5.0	39
12	Determination and identification of malathion, ethion and dichlorovos using ion mobility spectrometry. <i>Talanta</i> , 2006, 69, 1054-1058.	5.5	38
13	Design for Electrospray Ionization-Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 3199-3205.	6.5	37
14	Negative electrospray ionization ion mobility spectrometry combined with microextraction in packed syringe for direct analysis of phenoxyacid herbicides in environmental waters. <i>Journal of Chromatography A</i> , 2012, 1249, 41-47.	3.7	37
15	A new approach to determine salicylic acid in human urine and blood plasma based on negative electrospray ion mobility spectrometry after selective separation using a molecular imprinted polymer. <i>Talanta</i> , 2012, 99, 520-526.	5.5	32
16	Halloysite nanotubes-titanium dioxide as a solid-phase microextraction coating combined with negative corona discharge-ion mobility spectrometry for the determination of parathion. <i>Analytica Chimica Acta</i> , 2016, 926, 55-62.	5.4	32
17	Aptamer-modified carbon nanomaterial based sorption coupled to paper spray ion mobility spectrometry for highly sensitive and selective determination of methamphetamine. <i>Mikrochimica Acta</i> , 2018, 185, 103.	5.0	32
18	Zirconium dioxide-reduced graphene oxide nanocomposite-coated stir-bar sorptive extraction coupled with ion mobility spectrometry for determining ethion. <i>Talanta</i> , 2018, 182, 285-291.	5.5	32

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19	Selective separation and determination of primidone in pharmaceutical and human serum samples using molecular imprinted polymer-electrospray ionization ion mobility spectrometry (MIP-ESI-IMS). <i>Talanta</i> , 2009, 79, 669-675.	5.5	31
20	Feasibility of corona discharge ion mobility spectrometry for direct analysis of samples extracted by dispersive liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2014, 1343, 63-68.	3.7	30
21	Immobilized aptamer paper spray ionization source for ion mobility spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 132, 232-237.	2.8	29
22	High efficient solid-phase microextraction based on a covalent organic framework for determination of trifluralin and chlorpyrifos in water and food samples by GC-CD-IMS. <i>Food Chemistry</i> , 2022, 373, 131527.	8.2	28
23	Coupling of a novel electrospun polyacrylonitrile/amino-Zr-MOF nanofiber as a thin film for microextraction-corona discharge-ion mobility spectrometry for the analysis of chlorpyrifos in water samples. <i>Analytical Methods</i> , 2019, 11, 1073-1079.	2.7	26
24	Cobalt metal-organic framework-based ZIF-67 for the trace determination of herbicide molinate by ion mobility spectrometry: investigation of different morphologies. <i>RSC Advances</i> , 2021, 11, 2643-2655.	3.6	26
25	Design and construction of an injection port for coupling stir-bar sorptive extraction with ion mobility spectrometry. <i>Talanta</i> , 2018, 178, 369-376.	5.5	25
26	Electrospray ionization-ion mobility spectrometry as a detection system for three-phase hollow fiber microextraction technique and simultaneous determination of trimipramine and desipramine in urine and plasma samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3555-3564.	3.7	24
27	Sol-gel electrospinning preparation of hybrid carbon silica nanofibers for extracting organophosphorus pesticides prior to analyzing them by gas chromatography-ion mobility spectrometry. <i>Journal of Chromatography A</i> , 2018, 1558, 1-13.	3.7	24
28	Direct molecular imprinting technique to synthesize coated electrospun nanofibers for selective solid-phase microextraction of chlorpyrifos. <i>Mikrochimica Acta</i> , 2019, 186, 524.	5.0	22
29	Uptake and translocation monitoring of imidacloprid to chili and tomato plants by molecularly imprinting extraction - ion mobility spectrometry. <i>Microchemical Journal</i> , 2019, 144, 195-202.	4.5	22
30	Synthesis and characterization of a new ZIF-67@MgAl ₂ O ₄ nanocomposite and its adsorption behaviour. <i>RSC Advances</i> , 2021, 11, 13245-13255.	3.6	22
31	Selective pretreatment and determination of phenazopyridine using an imprinted polymer-electrospray ionization ion mobility spectrometry system. <i>Talanta</i> , 2011, 83, 765-769.	5.5	21
32	Coupling of solid phase microextraction with electrospray ionization ion mobility spectrometry and direct analysis of venlafaxine in human urine and plasma. <i>Analytica Chimica Acta</i> , 2015, 853, 460-468.	5.4	21
33	Hollow fiber-based liquid-liquid microextraction combined with electrospray ionization-ion mobility spectrometry for the determination of pentazocine in biological samples. <i>Journal of Chromatography A</i> , 2010, 1217, 5173-5178.	3.7	20
34	Combination of dispersive liquid-liquid microextraction and solid-phase microextraction: An efficient hyphenated sample preparation method. <i>Journal of Chromatography A</i> , 2016, 1466, 50-58.	3.7	20
35	Covalent triazine-based framework-grafted functionalized fibrous silica sphere as a solid-phase microextraction coating for simultaneous determination of fenthion and chlorpyrifos by ion mobility spectrometry. <i>Mikrochimica Acta</i> , 2021, 188, 4.	5.0	20
36	Design for Gas Chromatography-Corona Discharge-Ion Mobility Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 10077-10084.	6.5	19

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37	Magnetic Dual-template Molecularly Imprinted Polymer Nanoparticles for the Simultaneous Determination of Acetaminophen and Codeine in Urine Samples by Ion Mobility Spectrometry. <i>Analytical Sciences</i> , 2018, 34, 297-301.	1.6	18
38	Electrochemically prepared three-dimensional reduced graphene oxide-polyaniline nanocomposite as a solid-phase microextraction coating for ethion determination. <i>Talanta</i> , 2020, 209, 120576.	5.5	18
39	Selective Method Based on Negative Electrospray Ionization Ion Mobility Spectrometry for Direct Analysis of Salivary Thiocyanate. <i>Analytical Chemistry</i> , 2010, 82, 6721-6725.	6.5	17
40	Selective extraction and analysis of pioglitazone in cow plasma using a molecularly imprinted polymer combined with ESI ion mobility spectrometry. <i>Journal of Separation Science</i> , 2014, 37, 573-579.	2.5	15
41	Chemically modified halloysite nanotubes as a solid-phase microextraction coating. <i>Analytica Chimica Acta</i> , 2017, 964, 85-95.	5.4	15
42	Simultaneous Determination of Nitrite and Nitrate in Potato and Water Samples Using Negative Electrospray Ionization Ion Mobility Spectrometry. <i>Analytical Sciences</i> , 2012, 28, 391-395.	1.6	14
43	Sol-gel/nanoclay composite as a sorbent for microextraction in packed syringe combined with corona discharge ionization ion mobility spectrometry for the determination of diazinon in water samples. <i>Journal of Separation Science</i> , 2018, 41, 493-500.	2.5	14
44	Direct determination of ammoniacal nitrogen in water samples using corona discharge ion mobility spectrometry. <i>Talanta</i> , 2008, 76, 1189-1193.	5.5	13
45	Effect of halide ions on secondary electrospray ionization-ion mobility spectrometry for the determination of TNT extracted by dispersive liquid-liquid microextraction. <i>International Journal of Mass Spectrometry</i> , 2018, 433, 19-24.	1.5	13
46	An amino-functionalized zirconium-based metal-organic framework/graphene oxide nanocomposite for 2,4-dichlorophenoxyacetic acid determination by ion mobility spectrometry. <i>Analytical Methods</i> , 2019, 11, 2929-2936.	2.7	13
47	Thin film nanofibers containing ZnTiO ₃ nanoparticles for rapid evaporation of extraction solvent: application to the preconcentration of chlorpyrifos prior to its quantification by ion mobility spectrometry. <i>Mikrochimica Acta</i> , 2019, 186, 35.	5.0	13
48	Analysis of Sevin, Amitraz, and Metalaxyl Pesticides Using Ion Mobility Spectrometry. <i>Analytical Letters</i> , 2006, 39, 2061-2071.	1.8	12
49	Negative corona discharge-ion mobility spectrometry as a detection system for low density extraction solvent-based dispersive liquid-liquid microextraction. <i>Talanta</i> , 2015, 134, 724-731.	5.5	12
50	Mg-Al-CO ₃ layered double hydroxide reinforced polymer inclusion membrane as an extractant phase for thin-film microextraction of cyanide from environmental water samples. <i>Environmental Science and Pollution Research</i> , 2019, 26, 27854-27861.	5.3	12
51	Flexible/self-supported zeolitic imidazolate framework-67 film as an adsorbent for thin-film microextraction. <i>Microchemical Journal</i> , 2019, 146, 98-105.	4.5	12
52	Organic solvent supported silica aerogel thin film microextraction: An efficient sample preparation method for ion mobility spectrometry. <i>Microchemical Journal</i> , 2020, 159, 105551.	4.5	12
53	Modification of UiO-66 for removal of uranyl ion from aqueous solution by immobilization of tributyl phosphate. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	1.5	11
54	Simultaneous Determination of 2-Furfural and 5-Methyl-2-furfural Using Corona Discharge Ion Mobility Spectrometry. <i>Analytical Sciences</i> , 2009, 25, 801-805.	1.6	10

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55	Solvent holder-assisted liquid-phase microextraction using nano-structure biomass-derived carbonaceous aerogel combined with ion mobility spectrometry for simultaneous determination of ethion and chlorpyrifos. <i>Mikrochimica Acta</i> , 2020, 187, 232.	5.0	9
56	Determination of desipramine in biological samples using liquid-liquid microextraction combined with in-syringe derivatization, gas chromatography, and nitrogen/phosphorus detection. <i>Journal of Separation Science</i> , 2012, 35, 2637-2644.	2.5	8
57	In situ growth of copper-based metal-organic framework on a helical shape copper wire as a sorbent in stir-bar sorptive extraction of fenthion followed by corona discharge ion mobility spectrometry. <i>Journal of Chromatography A</i> , 2021, 1651, 462279.	3.7	8
58	Novel UiO-66-NH ₂ /Gly/GO Nanocomposite Adsorbent for Ultra-trace Analyzing of Chlorpyrifos Pesticide by Ion Mobility Spectrometry. <i>ChemistrySelect</i> , 2021, 6, 3370-3377.	1.5	7
59	Centrifuge-free dispersive liquid-liquid microextraction coupled with thin-film microextraction for the preconcentration of molinate in real samples by ion mobility spectrometry. <i>Talanta</i> , 2021, 225, 122027.	5.5	7
60	Towards metals analysis using corona discharge ionization ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2016, 909, 84-90.	5.4	6
61	Molecularly imprinted graphite spray ionization-ion mobility spectrometry: application to trace analysis of the pesticide propoxur. <i>Mikrochimica Acta</i> , 2019, 186, 396.	5.0	6
62	Design of an ultrasonic piezoelectric injection port for analysis of thermally unstable compounds using corona discharge ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1038, 79-86.	5.4	3
63	Ultrasonic Piezoelectric Nebulization of Propoxur for the Determination by Corona Discharge Ionization Ion Mobility Spectrometry. <i>Analytical Sciences</i> , 2020, 36, 227-232.	1.6	3
64	Performance evaluation of oxygen adsorbents using negative corona discharge ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2017, 953, 32-39.	5.4	2
65	Porous graphite sheet spray ionization ion mobility spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1135-1142.	1.6	2
66	Self-rotating stir mesh screen sorptive extraction for analyzing chlorpyrifos by ion mobility spectrometry. <i>Analytical Methods</i> , 2021, 13, 2631-2644.	2.7	2
67	Mitigation of solvent interference using a short packed column prior to ion mobility spectrometry. <i>Talanta</i> , 2017, 167, 486-492.	5.5	0
68	Investigation of different alcoholic modifiers for the separation and determination of two isomers of dinitrotoluene (2,4 and 2,6) by ion mobility spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2022, 36, e9274.	1.5	0
69	Monitoring of Diazinon in Soil Samples by Ion Mobility Spectrometry. <i>Communications in Soil Science and Plant Analysis</i> , 0, , 1-15.	1.4	0