

Rajeev Jain

List of Publications by Year in descending order

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32
papers

708
citations

471371

17
h-index

552653

26
g-index

34
all docs

34
docs citations

34
times ranked

962
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of dispersive liquid-liquid micro-extraction in forensic toxicology. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 227-237.	5.8	71
2	Simultaneous derivatisation and preconcentration of parabens in food and other matrices by isobutyl chloroformate and dispersive liquid-liquid microextraction followed by gas chromatographic analysis. <i>Food Chemistry</i> , 2013, 141, 436-443.	4.2	62
3	Application of ethyl chloroformate derivatization for solid-phase microextraction- gas chromatography- mass spectrometric determination of bisphenol-A in water and milk samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1695-1701.	1.9	53
4	Development, validation and comparison of two microextraction techniques for the rapid and sensitive determination of pregabalin in urine and pharmaceutical formulations after ethyl chloroformate derivatization followed by gas chromatography- mass spectrometric analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 310-319.	1.4	45
5	Rapid and simultaneous determination of twenty amino acids in complex biological and food samples by solid-phase microextraction and gas chromatography- mass spectrometry with the aid of experimental design after ethyl chloroformate derivatization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 907, 56-64.	1.2	44
6	Determination of t,t-muconic acid in urine samples using a molecular imprinted polymer combined with simultaneous ethyl chloroformate derivatization and pre-concentration by dispersive liquid-liquid microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 341-349.	1.9	38
7	Determination of Urinary PAH Metabolites Using DLLME Hyphenated to Injector Port Silylation and GC-MS-MS. <i>Journal of Analytical Toxicology</i> , 2015, 39, 365-373.	1.7	35
8	Microextraction techniques for analysis of cannabinoids. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 156-166.	5.8	34
9	Dispersive liquid-liquid microextraction combined with digital image colorimetry for paracetamol analysis. <i>Microchemical Journal</i> , 2021, 162, 105870.	2.3	32
10	Cypermethrin Induces Astrocyte Apoptosis by the Disruption of the Autocrine/Paracrine Mode of Epidermal Growth Factor Receptor Signaling. <i>Toxicological Sciences</i> , 2012, 125, 473-487.	1.4	30
11	Application of ultrasound-assisted dispersive liquid-liquid microextraction and automated in-port silylation for the simultaneous determination of phenolic endocrine disruptor chemicals in water samples by gas chromatography-triple quadrupole mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 1802.	1.3	30
12	Low density solvent based dispersive liquid-liquid microextraction with gas chromatography- electron capture detection for the determination of cypermethrin in tissues and blood of cypermethrin treated rats. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 895-896, 65-70.	1.2	24
13	Strengthening adsorption characteristics of non-steroidal anti-inflammatory drug onto microwave-assisted mesoporous material: Process design, mechanism and characterization. <i>Chemical Engineering Journal</i> , 2011, 168, 1279-1288.	6.6	22
14	Optimization of UA-DLLME by experimental design methodologies for the simultaneous determination of endosulfan and its metabolites in soil and urine samples by GC-MS. <i>Analytical Methods</i> , 2012, 4, 3855.	1.3	22
15	Ultrasound assisted dispersive liquid-liquid microextraction followed by injector port silylation: a novel method for rapid determination of quinine in urine by GC-MS. <i>Bioanalysis</i> , 2013, 5, 2277-2286.	0.6	20
16	In matrix derivatization of trichloroethylene metabolites in human plasma with methyl chloroformate and their determination by solid-phase microextraction- gas chromatography-electron capture detector. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 925, 63-69.	1.2	17
17	Molecularly imprinted polymer coupled with dispersive liquid-liquid microextraction and injector port silylation: A novel approach for the determination of 3-phenoxybenzoic acid in complex biological samples using gas chromatography- tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 23-30.	1.2	17
18	Development of ultrasound-assisted dispersive liquid-liquid microextraction- large volume injection- gas chromatography- tandem mass spectrometry method for determination of pyrethroid metabolites in brain of cypermethrin-treated rats. <i>Forensic Toxicology</i> , 2014, 32, 19-29.	1.4	16

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19	Cannabis sativa: A Plant Suitable for Phytoremediation and Bioenergy Production. , 2017, , 269-285.		16
20	Ultrasound-assisted dispersive liquidâ€“liquid microextraction followed by GCâ€“MS/MS analysis for the determination of valproic acid in urine samples. Bioanalysis, 2015, 7, 2451-2459.	0.6	12
21	Prenatal Exposure of Cypermethrin Induces Similar Alterations in Xenobiotic-Metabolizing Cytochrome P450s and Rate-Limiting Enzymes of Neurotransmitter Synthesis in Brain Regions of Rat Offsprings During Postnatal Development. Molecular Neurobiology, 2016, 53, 3670-3689.	1.9	11
22	Occupational health hazards of trichloroethylene among workers in relation to altered mRNA expression of cell cycle regulating genes (p53, p21, bax and bcl-2) and PPARA. Toxicology Reports, 2015, 2, 748-757.	1.6	8
23	Coupling Microextraction With Thin Layer Chromatography-Image Processing Analysis: A New Analytical Platform for Drug Analysis. , 2017, 2, 17-25.		8
24	Simple and rapid analysis of acetaminophen in human autopsy samples by vortexâ€“assisted dispersive liquidâ€“liquid microextractionâ€“thin layer chromatographyâ€“image analysis. Separation Science Plus, 2021, 4, 92-100.	0.3	8
25	A simple, cost-effective and rapid method for simultaneous determination of Strychnos nux-vomica alkaloids in blood and Ayurvedic medicines based on ultrasound-assisted dispersive liquidâ€“liquid microextractionâ€“thin-layer chromatography-image analysis. Journal of Chromatographic Science, 2020, 58, 477-484.	0.7	7
26	A rapid and costâ€“effective method based on dispersive liquidâ€“liquid microextraction coupled to injection port silylationâ€“gas chromatographyâ€“mass spectrometry for determination of morphine in illicit opium. Analytical Science Advances, 2021, 2, 387-396.	1.2	6
27	Optimization of ultrasound-assisted emulsification microextraction by experimental design for determination of over-the-counter drugs by thin-layer chromatographyâ€“image-processing method. Journal of Planar Chromatography - Modern TLC, 2018, 31, 265-271.	0.6	5
28	Microextraction Techniques in Analytical Toxicology. , 0, , .		5
29	Microextraction Techniques for Forensic Drug Analysis in Saliva. Forensic Research & Criminology International Journal, 2017, 5, .	0.1	4
30	Serious health threats of novel adulterants of the street heroin: a report from India during the COVID-19 pandemic. BMJ Case Reports, 2021, 14, e242239.	0.2	2
31	Effect of using Propanol as internal standard on quantitative determination of ethanol in different biological matrices by head space-Gas Chromatography-Flame Ionization Detector. Madridge Journal of Analytical Sciences and Instrumentation, 2016, 1, 1-3.	0.4	2
32	A Seizuring Child: Accidental Ingestion of an Ancient Remedy. Indian Journal of Pediatrics, 2021, 88, 298-298.	0.3	1