

Mahroo Baharfar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11307/publications.pdf>

Version: 2024-02-01

32
papers

928
citations

361413
20
h-index

454955
30
g-index

32
all docs

32
docs citations

32
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro solid-phase extraction (pipette tip and spin column) and thin film solid-phase microextraction: Miniaturized concepts for chromatographic analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 810-827.	11.4	109
2	Two-phase hollow fiber liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 314-322.	11.4	59
3	Exploring Interfacial Graphene Oxide Reduction by Liquid Metals: Application in Selective Biosensing. <i>ACS Nano</i> , 2021, 15, 19661-19671.	14.6	52
4	Engineering strategies for enhancing the performance of electrochemical paper-based analytical devices. <i>Biosensors and Bioelectronics</i> , 2020, 167, 112506.	10.1	48
5	Emerging Role of Liquid Metals in Sensing. <i>ACS Sensors</i> , 2022, 7, 386-408.	7.8	48
6	Current methods for diagnosis of human coronaviruses: pros and cons. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2311-2330.	3.7	47
7	Approach for Downscaling of Electromembrane Extraction as a Lab on-a-Chip Device Followed by Sensitive Red-Green-Blue Detection. <i>Analytical Chemistry</i> , 2018, 90, 8478-8486.	6.5	42
8	Electromembrane extraction of biogenic amines in food samples by a microfluidic-chip system followed by dabsyl derivatization prior to high performance liquid chromatography analysis. <i>Journal of Chromatography A</i> , 2018, 1556, 21-28.	3.7	42
9	Simultaneous extraction of acidic and basic drugs via on-chip electromembrane extraction using a single-compartment microfluidic device. <i>Analyst</i> , 2019, 144, 1159-1166.	3.5	40
10	On-chip electromembrane extraction followed by sensitive digital image-based colorimetry for determination of trace amounts of Cr(VI). <i>Analytical Methods</i> , 2020, 12, 483-490.	2.7	39
11	Quantitative analysis of clonidine and ephedrine by a microfluidic system: On-chip electromembrane extraction followed by high performance liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1068-1069, 313-321.	2.3	37
12	Single-cell mass spectrometry. <i>Trends in Biotechnology</i> , 2022, 40, 1374-1392.	9.3	37
13	Synthesis and characterization of polyamide-graphene oxide-polypyrrole electrospun nanofibers for spin-column micro solid phase extraction of parabens in milk samples. <i>Journal of Chromatography A</i> , 2019, 1599, 25-34.	3.7	34
14	Cell-Mediated Biointerfacial Phenolic Assembly for Probiotic Nano Encapsulation. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	34
15	Gallium-Based Liquid Metal Reaction Media for Interfacial Precipitation of Bismuth Nanomaterials with Controlled Phases and Morphologies. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	28
16	Polydopamine Shell as a Ga ³⁺ Reservoir for Triggering Gallium-Indium Phase Separation in Eutectic Gallium-Indium Nanoalloys. <i>ACS Nano</i> , 2021, 15, 16839-16850.	14.6	27
17	Emergence of microfluidic devices in sample extraction; an overview of diverse methodologies, principals, and recent advancements. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116352.	11.4	25
18	A Customized Microfluidic Paper-Based Platform for Colorimetric Immunosensing: Demonstrated via hCG Assay for Pregnancy Test. <i>Biosensors</i> , 2021, 11, 474.	4.7	24

#	ARTICLE	IF	CITATIONS
19	A promising design of microfluidic electromembrane extraction coupled with sensitive colorimetric detection for colorless compounds based on quantum dots fluorescence. <i>Talanta</i> , 2019, 194, 298-307.	5.5	21
20	A new microfluidic-chip device for selective and simultaneous extraction of drugs with various properties. <i>New Journal of Chemistry</i> , 2019, 43, 9689-9695.	2.8	20
21	Microfluidic-enabled versatile hyphenation of electromembrane extraction and thin film solid phase microextraction. <i>Talanta</i> , 2021, 224, 121864.	5.5	19
22	Liquid-Metal-Assisted Deposition and Patterning of Molybdenum Dioxide at Low Temperature. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53181-53193.	8.0	19
23	Spin-column micro-solid phase extraction of chlorophenols using MFU-4l metal-organic framework. <i>Mikrochimica Acta</i> , 2020, 187, 39.	5.0	13
24	Microfluidic paper-based analytical devices and electromembrane extraction; Hyphenation of fields towards effective analytical platforms. <i>Analytica Chimica Acta</i> , 2022, 1216, 339987.	5.4	12
25	Dispersive magnetic solid phase microextraction on microfluidic systems for extraction and determination of parabens. <i>Analytica Chimica Acta</i> , 2021, 1188, 339183.	5.4	10
26	Liquid state of post-transition metals for interfacial synthesis of two-dimensional materials. <i>Applied Physics Reviews</i> , 2022, 9, .	11.3	9
27	Adsorptive removal of Hg ²⁺ from environmental water samples using thioglycerol-intercalated magnetic layered double hydroxides. <i>Analytical Methods</i> , 2020, 12, 2279-2286.	2.7	8
28	Microextraction on a screw for determination of trace amounts of hexanal and heptanal as lung cancer biomarkers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 191, 113528.	2.8	7
29	Polydopamine-Functionalized Carbon Nanotubes for Pipette-Tip Micro-Solid Phase Extraction of Malathion and Parathion from Environmental Samples. <i>ChemistrySelect</i> , 2020, 5, 2966-2971.	1.5	7
30	Induction heating for the removal of liquid metal-based implant mimics: A proof-of-concept. <i>Applied Materials Today</i> , 2022, 27, 101459.	4.3	7
31	Quantitative determination of trace phenazopyridine in human urine samples by hyphenation of dispersive solid-phase extraction and liquid-phase microextraction followed by gas chromatography/mass spectrometry analysis. <i>Journal of Separation Science</i> , 2020, 43, 2897-2904.	2.5	3
32	Cleanup and Remediation Based on Conductive Polymers. <i>ACS Symposium Series</i> , 0, , 91-117.	0.5	1