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	Galliumâ€Based Liquid Metal Reaction Media for Interfacial Precipitation of Bismuth Nanomaterials with Controlled Phases and Morphologies. Advanced Functional Materials, 2022, 32, .	14.9	28
2	Emerging Role of Liquid Metals in Sensing. ACS Sensors, 2022, 7, 386-408.	7.8	48
3	Cellâ€Mediated Biointerfacial Phenolic Assembly for Probiotic Nano Encapsulation. Advanced Functional Materials, 2022, 32, .	14.9	34
4	Induction heating for the removal of liquid metal-based implant mimics: A proof-of-concept. Applied Materials Today, 2022, 27, 101459.	4.3	7
5	Single-cell mass spectrometry. Trends in Biotechnology, 2022, 40, 1374-1392.	9.3	37
6	Liquid state of post-transition metals for interfacial synthesis of two-dimensional materials. Applied Physics Reviews, 2022, 9, .	11.3	9
7	Microfluidic paper-based analytical devices and electromembrane extraction; Hyphenation of fields towards effective analytical platforms. Analytica Chimica Acta, 2022, 1216, 339987.	5.4	12
8	Microfluidic-enabled versatile hyphenation of electromembrane extraction and thin film solid phase microextraction. Talanta, 2021, 224, 121864.	5.5	19
9	Current methods for diagnosis of human coronaviruses: pros and cons. Analytical and Bioanalytical Chemistry, 2021, 413, 2311-2330.	3.7	47
10	Emergence of microfluidic devices in sample extraction; an overview of diverse methodologies, principals, and recent advancements. TrAC - Trends in Analytical Chemistry, 2021, 143, 116352.	11.4	25
11	Dispersive magnetic solid phase microextraction on microfluidic systems for extraction and determination of parabens. Analytica Chimica Acta, 2021, 1188, 339183.	5.4	10
12	Polydopamine Shell as a Ga³⁺ Reservoir for Triggering Galliumâ€“Indium Phase Separation in Eutectic Galliumâ€“Indium Nanoalloys. ACS Nano, 2021, 15, 16839-16850.	14.6	27
13	Liquid-Metal-Assisted Deposition and Patterning of Molybdenum Dioxide at Low Temperature. ACS Applied Materials & Interfaces, 2021, 13, 53181-53193.	8.0	19
14	Exploring Interfacial Graphene Oxide Reduction by Liquid Metals: Application in Selective Biosensing. ACS Nano, 2021, 15, 19661-19671.	14.6	52
15	A Customized Microfluidic Paper-Based Platform for Colorimetric Immunosensing: Demonstrated via hCG Assay for Pregnancy Test. Biosensors, 2021, 11, 474.	4.7	24
16	On-chip electromembrane extraction followed by sensitive digital image-based colorimetry for determination of trace amounts of Cr(<scp>vi</scp>). Analytical Methods, 2020, 12, 483-490.	2.7	39
17	Spin-column micro-solid phase extraction of chlorophenols using MFU-4l metal-organic framework. Mikrochimica Acta, 2020, 187, 39.	5.0	13
18	Engineering strategies for enhancing the performance of electrochemical paper-based analytical devices. Biosensors and Bioelectronics, 2020, 167, 112506.	10.1	48

#	Article	IF	Citations
19	Microextraction on a screw for determination of trace amounts of hexanal and heptanal as lung cancer biomarkers. Journal of Pharmaceutical and Biomedical Analysis, 2020, 191, 113528.	2.8	7
20	Quantitative determination of trace phenazopyridine in human urine samples by hyphenation of dispersive solidâ€phase extraction and liquidâ€phase microextraction followed by gas chromatography/mass spectrometry analysis. Journal of Separation Science, 2020, 43, 2897-2904.	2.5	3
21	Polydopamineâ€Functionalized Carbon Nanotubes for Pipetteâ€Tip Microâ€Solid Phase Extraction of Malathion and Parathion from Environmental Samples. ChemistrySelect, 2020, 5, 2966-2971.	1.5	7
22	Adsorptive removal of Hg²⁺ from environmental water samples using thioglycerol-intercalated magnetic layered double hydroxides. Analytical Methods, 2020, 12, 2279-2286.	2.7	8
23	Micro solid-phase extraction (pipette tip and spin column) and thin film solid-phase microextraction: Miniaturized concepts for chromatographic analysis. TrAC - Trends in Analytical Chemistry, 2019, 118, 810-827.	11.4	109
24	Simultaneous extraction of acidic and basic drugs via on-chip electromembrane extraction using a single-compartment microfluidic device. Analyst, The, 2019, 144, 1159-1166.	3.5	40
25	A new microfluidic-chip device for selective and simultaneous extraction of drugs with various properties. New Journal of Chemistry, 2019, 43, 9689-9695.	2.8	20
26	Synthesis and characterization of polyamide-graphene oxide-polypyrrole electrospun nanofibers for spin-column micro solid phase extraction of parabens in milk samples. Journal of Chromatography A, 2019, 1599, 25-34.	3.7	34
27	A promising design of microfluidic electromembrane extraction coupled with sensitive colorimetric detection for colorless compounds based on quantum dots fluorescence. Talanta, 2019, 194, 298-307.	5.5	21
28	Two-phase hollow fiber liquid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2018, 108, 314-322.	11.4	59
29	Approach for Downscaling of Electromembrane Extraction as a Lab on-a-Chip Device Followed by Sensitive Red-Green-Blue Detection. Analytical Chemistry, 2018, 90, 8478-8486.	6.5	42
30	Electromembrane extraction of biogenic amines in food samples by a microfluidic-chip system followed by dabsyl derivatization prior to high performance liquid chromatography analysis. Journal of Chromatography A, 2018, 1556, 21-28.	3.7	42
31	Quantitative analysis of clonidine and ephedrine by a microfluidic system: On-chip electromembrane extraction followed by high performance liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1068-1069, 313-321.	2.3	37
32	Cleanup and Remediation Based on Conductive Polymers. ACS Symposium Series, 0, , 91-117.	0.5	1