

Marcelino Varona

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

726
citations

623734

14
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

733
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances of Ionic Liquids in Analytical Chemistry. <i>Analytical Chemistry</i> , 2019, 91, 505-531.	6.5	180
2	Ionic liquids: solvents and sorbents in sample preparation. <i>Journal of Separation Science</i> , 2018, 41, 209-235.	2.5	126
3	Visual Detection of Single-Nucleotide Polymorphisms Using Molecular Beacon Loop-Mediated Isothermal Amplification with Centrifuge-Free DNA Extraction. <i>Analytical Chemistry</i> , 2019, 91, 6991-6995.	6.5	63
4	Nucleic acid extraction: Fundamentals of sample preparation methodologies, current advancements, and future endeavors. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115985.	11.4	48
5	Ion-Tagged Oligonucleotides Coupled with a Magnetic Liquid Support for the Sequence-Specific Capture of DNA. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7630-7633.	13.8	38
6	Solid-Phase Microextraction of DNA from Mycobacteria in Artificial Sputum Samples To Enable Visual Detection Using Isothermal Amplification. <i>Analytical Chemistry</i> , 2018, 90, 6922-6928.	6.5	32
7	Selective and Efficient RNA Analysis by Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2017, 89, 10661-10666.	6.5	30
8	Solid-Phase Microextraction Enables Isolation of BRAF V600E Circulating Tumor DNA from Human Plasma for Detection with a Molecular Beacon Loop-Mediated Isothermal Amplification Assay. <i>Analytical Chemistry</i> , 2020, 92, 3346-3353.	6.5	30
9	Sequence-Specific Detection of ORF1a, BRAF, and ompW DNA Sequences with Loop Mediated Isothermal Amplification on Lateral Flow Immunoassay Strips Enabled by Molecular Beacons. <i>Analytical Chemistry</i> , 2021, 93, 4149-4153.	6.5	27
10	Advances in Mutation Detection Using Loop-Mediated Isothermal Amplification. <i>ACS Omega</i> , 2021, 6, 3463-3469.	3.5	22
11	Metal-containing and magnetic ionic liquids in analytical extractions and gas separations. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 140, 116275.	11.4	21
12	Magnetic ionic liquid-enhanced isothermal nucleic acid amplification and its application to rapid visual DNA analysis. <i>Analytica Chimica Acta</i> , 2019, 1045, 132-140.	5.4	20
13	Magnetic Ionic Liquids as Solvents for RNA Extraction and Preservation. <i>ACS Omega</i> , 2020, 5, 11151-11159.	3.5	20
14	Sequence-specific preconcentration of a mutation prone KRAS fragment from plasma using ion-tagged oligonucleotides coupled to qPCR compatible magnetic ionic liquid solvents. <i>Analytica Chimica Acta</i> , 2019, 1068, 1-10.	5.4	19
15	Investigating the effect of ligand and cation on the properties of metal fluorinated acetylacetonate based magnetic ionic liquids. <i>New Journal of Chemistry</i> , 2019, 43, 11334-11341.	2.8	15
16	Coupling oligonucleotides possessing a poly-cytosine tag with magnetic ionic liquids for sequence-specific DNA analysis. <i>Chemical Communications</i> , 2018, 54, 10284-10287.	4.1	13
17	Thin Film Microextraction Enables Rapid Isolation and Recovery of DNA for Downstream Amplification Assays. <i>Analytical Chemistry</i> , 2022, 94, 3677-3684.	6.5	12
18	Magnetic ionic liquids: interactions with bacterial cells, behavior in aqueous suspension, and broader applications. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1741-1755.	3.7	6

#	ARTICLE	IF	CITATIONS
19	Modification of polyacrylate sorbent coatings with carbodiimide crosslinker chemistry for sequence-selective DNA extraction using solid-phase microextraction. <i>Analytical Methods</i> , 2020, 12, 3200-3204.	2.7	4
20	Ion-Tagged Oligonucleotides Coupled with a Magnetic Liquid Support for the Sequence-Specific Capture of DNA. <i>Angewandte Chemie</i> , 2017, 129, 7738-7741.	2.0	0