

Natalia Manousi

List of Publications by Year in descending order

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58
papers

1,011
citations

471061

17
h-index

500791

28
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58
all docs

58
docs citations

58
times ranked

667
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabric phase sorptive extraction for the fast isolation of sulfonamides residues from raw milk followed by high performance liquid chromatography with ultraviolet detection. <i>Food Chemistry</i> , 2016, 196, 428-436.	4.2	91
2	Applications of Metal-Organic Frameworks in Food Sample Preparation. <i>Molecules</i> , 2018, 23, 2896.	1.7	63
3	Extraction of Metal Ions with Metal-Organic Frameworks. <i>Molecules</i> , 2019, 24, 4605.	1.7	56
4	Magnetic Solid-Phase Extraction of Organic Compounds Based on Graphene Oxide Nanocomposites. <i>Molecules</i> , 2020, 25, 1148.	1.7	52
5	Recent Advances in the Extraction of Polycyclic Aromatic Hydrocarbons from Environmental Samples. <i>Molecules</i> , 2020, 25, 2182.	1.7	51
6	Determination of rare earth elements by inductively coupled plasma-mass spectrometry after dispersive solid phase extraction with novel oxidized graphene oxide and optimization with response surface methodology and central composite design. <i>Microchemical Journal</i> , 2020, 152, 104428.	2.3	42
7	Exploring the volatile metabolome of conventional and organic walnut oils by solid-phase microextraction and analysis by GC-MS combined with chemometrics. <i>Food Chemistry</i> , 2021, 363, 130331.	4.2	39
8	Novel Approaches Utilizing Metal-Organic Framework Composites for the Extraction of Organic Compounds and Metal Traces from Fish and Seafood. <i>Molecules</i> , 2020, 25, 513.	1.7	31
9	Determination of Volatile Compounds in Nut-Based Milk Alternative Beverages by HS-SPME Prior to GC-MS Analysis. <i>Molecules</i> , 2019, 24, 3091.	1.7	30
10	Designing a moderately hydrophobic sol-gel monolithic Carbowax 20 μ m sorbent for the capsule phase microextraction of triazine herbicides from water samples prior to HPLC analysis. <i>Talanta</i> , 2021, 234, 122710.	2.9	30
11	Sample Preparation Using Graphene-Oxide-Derived Nanomaterials for the Extraction of Metals. <i>Molecules</i> , 2020, 25, 2411.	1.7	28
12	Recent Advances in Microextraction Techniques of Antipsychotics in Biological Fluids Prior to Liquid Chromatography Analysis. <i>Separations</i> , 2017, 4, 18.	1.1	26
13	Bioanalytical HPLC Applications of In-Tube Solid Phase Microextraction: A Two-Decade Overview. <i>Molecules</i> , 2020, 25, 2096.	1.7	26
14	Ultrasound-assisted magnetic solid-phase extraction of polycyclic aromatic hydrocarbons and nitrated polycyclic aromatic hydrocarbons from water samples with a magnetic polyaniline modified graphene oxide nanocomposite. <i>Journal of Chromatography A</i> , 2021, 1645, 462104.	1.8	25
15	Exploiting the capsule phase microextraction features in bioanalysis: Extraction of ibuprofen from urine samples. <i>Microchemical Journal</i> , 2022, 172, 106934.	2.3	24
16	Recently Developed Adsorbing Materials for Fluoride Removal from Water and Fluoride Analytical Determination Techniques: A Review. <i>Sustainability</i> , 2021, 13, 7061.	1.6	22
17	Green bioanalytical sample preparation: fabric phase sorptive extraction. <i>Bioanalysis</i> , 2021, 13, 693-710.	0.6	20
18	Development and Application of an ICP-AES Method for the Determination of Nutrient and Toxic Elements in Savory Snack Products after Autoclave Dissolution. <i>Separations</i> , 2020, 7, 66.	1.1	19

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19	Recent advances in the extraction of triazine herbicides from water samples. <i>Journal of Separation Science</i> , 2022, 45, 113-133.	1.3	18
20	Green sample preparation of alternative biosamples in forensic toxicology. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 20, 100388.	1.6	16
21	Magnet integrated fabric phase sorptive extraction as a stand-alone extraction device for the monitoring of benzoyl urea insecticides in water samples by HPLC-DAD. <i>Journal of Chromatography A</i> , 2022, 1672, 463026.	1.8	16
22	Exploring the volatile profile of whiskey samples using solid-phase microextraction Arrow and comprehensive two-dimensional gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2022, 1676, 463241.	1.8	15
23	Automated Solid Phase Extraction of Cd(II), Co(II), Cu(II) and Pb(II) Coupled with Flame Atomic Absorption Spectrometry Utilizing a New Sol-Gel Functionalized Silica Sorbent. <i>Separations</i> , 2021, 8, 100.	1.1	14
24	Capsule phase microextraction of selected polycyclic aromatic hydrocarbons from water samples prior to their determination by gas chromatography-mass spectrometry. <i>Microchemical Journal</i> , 2021, 166, 106210.	2.3	14
25	Expanding the applicability of magnet integrated fabric phase sorptive extraction in food analysis: Extraction of triazine herbicides from herbal infusion samples. <i>Microchemical Journal</i> , 2022, 179, 107524.	2.3	14
26	Cereal-Based 3D Printed Dosage Forms for Drug Administration During Breakfast in Pediatric Patients within a Hospital Setting. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 2562-2570.	1.6	14
27	Recent Advances in the HPLC Analysis of Tricyclic Antidepressants in Bio-Samples. <i>Mini-Reviews in Medicinal Chemistry</i> , 2020, 20, 24-38.	1.1	13
28	Exploring sol-gel zwitterionic fabric phase sorptive extraction sorbent as a new multi-mode platform for the extraction and preconcentration of triazine herbicides from juice samples. <i>Food Chemistry</i> , 2022, 373, 131517.	4.2	13
29	Solid-Phase Microextraction Arrow for the Sampling of Volatile Organic Compounds in Milk Samples. <i>Separations</i> , 2020, 7, 75.	1.1	12
30	Rare Earths as Authenticity Markers for the Discrimination of Greek and Turkish Pistachios Using Elemental Metabolomics and Chemometrics. <i>Foods</i> , 2021, 10, 349.	1.9	12
31	Advances in the Chromatographic Separation and Determination of Bioactive Compounds for Assessing the Nutrient Profile of Nuts. <i>Current Analytical Chemistry</i> , 2021, 17, 495-511.	0.6	12
32	Metal-Organic Frameworks in Bioanalysis: Extraction of Small Organic Molecules. <i>Separations</i> , 2021, 8, 60.	1.1	11
33	An Inductively Coupled Plasma Optical Emission Spectrometric Method for the Determination of Toxic and Nutrient Metals in Spices after Pressure-Assisted Digestion. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 534.	1.3	10
34	On the use of metal-organic frameworks for the extraction of organic compounds from environmental samples. <i>Environmental Science and Pollution Research</i> , 2021, 28, 59015-59039.	2.7	9
35	Determination of the Toxic and Nutrient Element Content of Almonds, Walnuts, Hazelnuts and Pistachios by ICP-AES. <i>Separations</i> , 2021, 8, 28.	1.1	9
36	Salting-out homogeneous liquid-liquid microextraction for the determination ofazole drugs in human urine: Validation using total error concept. <i>Journal of Separation Science</i> , 2022, , .	1.3	9

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37	Multi-Element Determination of Toxic and Nutrient Elements by ICP-AES after Dispersive Solid-Phase Extraction with Modified Graphene Oxide. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8722.	1.3	8
38	An automatic on-line sol-gel pyridylethylthiopropyl functionalized silica-based sorbent extraction system coupled to flame atomic absorption spectrometry for lead and copper determination in beer samples. <i>Food Chemistry</i> , 2022, 394, 133548.	4.2	8
39	Applications of Gas Chromatography for the Analysis of Tricyclic Antidepressants in Biological Matrices. <i>Separations</i> , 2019, 6, 24.	1.1	7
40	Development and Validation of an Inductively Coupled Plasma “Atomic Emission Spectrometry (ICP-AES) Method for Trace Element Determination in Vinegar. <i>Analytical Letters</i> , 0, , 1-12.	1.0	7
41	Multi-Element Analysis Based on an Automated On-Line Microcolumn Separation/Preconcentration System Using a Novel Sol-Gel Thiocyanatopropyl-Functionalized Silica Sorbent Prior to ICP-AES for Environmental Water Samples. <i>Molecules</i> , 2021, 26, 4461.	1.7	7
42	Automated Post-Column Sample Manipulation Prior to Detection in Liquid Chromatography: A Review of Pharmaceutical and Bioanalytical Applications. <i>Current Analytical Chemistry</i> , 2019, 15, 759-775.	0.6	7
43	A Simple and Rapid Analytical Method for the Determination of Nutrient and Toxic Elements in Nut-Based Milk Alternative Beverages by ICP-OES. <i>Food Analytical Methods</i> , 2021, 14, 1315-1321.	1.3	6
44	Rapid Multielemental Inductively Coupled Plasma “Atomic Emission Spectrometric (ICP-AES) Method for the Assessment of the Quality of Flower Waters. <i>Analytical Letters</i> , 0, , 1-9.	1.0	6
45	Green Bioanalytical Applications of Graphene Oxide for the Extraction of Small Organic Molecules. <i>Molecules</i> , 2021, 26, 2790.	1.7	6
46	Detection of Mechanically Deboned Meat in Cold Cuts by Inductively Coupled Plasma-Mass Spectrometry. <i>Pakistan Journal of Analytical and Environmental Chemistry</i> , 2018, 19, 115-121.	0.2	6
47	Development and Validation of an ICP-AES Method for the Determination of Toxic and Nutrient Metals in Candies: Application for the Analysis of Different Samples from the Greek Market. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10599.	1.3	6
48	Multielemental Inductively Coupled Plasma “Optical Emission Spectrometric (ICP-OES) Method for the Determination of Nutrient and Toxic Elements in Wild Mushrooms Coupled to Unsupervised and Supervised Chemometric Tools for Their Classification by Species. <i>Analytical Letters</i> , 2022, 55, 2108-2123.	1.0	6
49	Headspace Solid-Phase Microextraction Followed by Gas Chromatography-Mass Spectrometry as a Powerful Analytical Tool for the Discrimination of Truffle Species According to Their Volatiles. <i>Frontiers in Nutrition</i> , 2022, 9, 856250.	1.6	5
50	Magnetic solid-phase extraction of caffeine from surface water samples with a micro “meso porous activated carbon/Fe ₃ O ₄ nanocomposite prior to its determination by GC-MS. <i>RSC Advances</i> , 2021, 11, 19492-19499.	1.7	4
51	A Rapid GC-FID Method for the Determination of Fatty Acids in Walnut Oils and Their Use as Markers in Authenticity Studies. <i>Food Analytical Methods</i> , 2022, 15, 761-771.	1.3	4
52	Multielemental Method for Maternal Breast Milk Analysis by Inductively Coupled Plasma “Atomic Emission Spectrometry (ICP-AES) and Acid Digestion. <i>Analytical Letters</i> , 2023, 56, 14-24.	1.0	3
53	Salt-Induced Homogeneous Liquid “Liquid Microextraction of Piroxicam and Meloxicam from Human Urine Prior to Their Determination by HPLC-DAD. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6658.	1.3	3
54	Determination of Metals in Walnut Oils by Means of an Optimized and Validated ICP-AES Method in Conventional and Organic Farming Type Samples. <i>Separations</i> , 2021, 8, 169.	1.1	2

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55	Direct UHPLC-DAD Method to Determine Asenapine, Paroxetine and Fluvoxamine in Human Blood Serum, Urine and Cerebrospinal Fluid. <i>Current Pharmaceutical Analysis</i> , 2016, 12, 349-356.	0.3	2
56	Green Miniaturized Extraction and Microextraction of Polycyclic Aromatic Hydrocarbons from Foods and Beverages. <i>Current Analytical Chemistry</i> , 2021, 17, 461-477.	0.6	1
57	Development and Validation of an HPLC-UV Method for the Dissolution Studies of 3D-Printed Paracetamol Formulations in Milk-Containing Simulated Gastrointestinal Media. <i>Pharmaceuticals</i> , 2022, 15, 755.	1.7	1
58	Fabric phase sorptive extraction combined with gas chromatography-mass spectrometry as an innovative analytical technique for the determination of selected polycyclic aromatic hydrocarbons in herbal infusions and tea samples. <i>RSC Advances</i> , 2022, 12, 7149-7156.	1.7	0