

Elefteria Psillakis

List of Publications by Year in descending order

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105
papers

7,273
citations

46918

47
h-index

54797

84
g-index

110
all docs

110
docs citations

110
times ranked

5485
citing authors

#	ARTICLE	IF	CITATIONS
1	Developments in liquid-phase microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 565-574.	5.8	548
2	Developments in single-drop microextraction. <i>Journal of Chromatography A</i> , 2007, 1152, 184-192.	1.8	375
3	Developments in single-drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 54-64.	5.8	342
4	Enhancement of biodegradability of industrial wastewaters by chemical oxidation pre-treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 431-454.	1.6	337
5	Vortex-assisted liquid-liquid microextraction of octylphenol, nonylphenol and bisphenol-A. <i>Talanta</i> , 2010, 80, 2057-2062.	2.9	303
6	Anion-Templated Assembly of a Supramolecular Cage Complex. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1279-1281.	7.2	292
7	AGREEprep – Analytical greenness metric for sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116553.	5.8	231
8	Hollow-fibre liquid-phase microextraction of phthalate esters from water. <i>Journal of Chromatography A</i> , 2003, 999, 145-153.	1.8	230
9	The ten principles of green sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 148, 116530.	5.8	220
10	Application of solvent microextraction to the analysis of nitroaromatic explosives in water samples. <i>Journal of Chromatography A</i> , 2001, 907, 211-219.	1.8	206
11	Electrochemical oxidation of olive oil mill wastewaters. <i>Water Research</i> , 2005, 39, 4177-4187.	5.3	188
12	Photocatalytic degradation of reactive black 5 in aqueous solutions: Effect of operating conditions and coupling with ultrasound irradiation. <i>Water Research</i> , 2007, 41, 2236-2246.	5.3	181
13	An ionic liquid as a solvent for headspace single drop microextraction of chlorobenzenes from water samples. <i>Analytica Chimica Acta</i> , 2007, 584, 189-195.	2.6	161
14	Solid-phase microextraction versus single-drop microextraction for the analysis of nitroaromatic explosives in water samples. <i>Journal of Chromatography A</i> , 2001, 938, 113-120.	1.8	155
15	Lanthanide Complexes of the Hexadentate N-Donor Podand Tris[3-(2-pyridyl)pyrazolyl]hydroborate: A Solid-State and Solution Properties. <i>Inorganic Chemistry</i> , 1997, 36, 10-18.	1.9	154
16	Degradation of sodium dodecylbenzene sulfonate in water by ultrasonic irradiation. <i>Water Research</i> , 2004, 38, 3751-3759.	5.3	137
17	Ultrasound-assisted emulsification-liquid microextraction of phenolic preservatives in water. <i>Talanta</i> , 2009, 79, 1387-1397.	2.9	137
18	Single-drop microextraction for the analysis of organophosphorous insecticides in water. <i>Analytica Chimica Acta</i> , 2004, 516, 205-211.	2.6	111

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19	Monitoring the sonochemical degradation of phthalate esters in water using solid-phase microextraction. <i>Chemosphere</i> , 2004, 54, 849-857.	4.2	106
20	Headspace single-drop microextraction for the analysis of chlorobenzenes in water samples. <i>Journal of Chromatography A</i> , 2005, 1089, 25-30.	1.8	93
21	Degradation of polycyclic aromatic hydrocarbons in aqueous solutions by ultrasonic irradiation. <i>Journal of Hazardous Materials</i> , 2004, 108, 95-102.	6.5	92
22	Analysis of polycyclic aromatic hydrocarbons in wastewater treatment plant effluents using hollow fibre liquid-phase microextraction. <i>Chemosphere</i> , 2005, 60, 690-698.	4.2	92
23	Sonochemical degradation of triclosan in water and wastewater. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 689-694.	3.8	89
24	Acid Dissociation versus Molecular Association of Perfluoroalkyl Oxoacids: Environmental Implications. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8152-8156.	1.1	84
25	Vacuum-assisted headspace solid-phase microextraction: A tutorial review. <i>Analytica Chimica Acta</i> , 2017, 986, 12-24.	2.6	84
26	Vacuum-assisted headspace solid phase microextraction: Improved extraction of semivolatiles by non-equilibrium headspace sampling under reduced pressure conditions. <i>Analytica Chimica Acta</i> , 2012, 742, 30-36.	2.6	76
27	Fast screening of perfluorooctane sulfonate in water using vortex-assisted liquid-liquid microextraction coupled to liquid chromatography-mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 691, 56-61.	2.6	74
28	Electrostatic accumulation and determination of triclosan in ultrathin carbon nanoparticle composite film electrodes. <i>Analytica Chimica Acta</i> , 2007, 593, 117-122.	2.6	72
29	Plastic pellets, meso- and microplastics on the coastline of Northern Crete: Distribution and organic pollution. <i>Marine Pollution Bulletin</i> , 2018, 133, 578-589.	2.3	72
30	Complexes of silver(I), thallium(I), lead(II) and barium(II) with bis[3-(2-pyridyl)pyrazol-1-yl]phosphinate: one-dimensional helical chains and discrete mononuclear complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1645-1651.	1.1	66
31	Development of a hollow fibre liquid phase microextraction method to monitor the sonochemical degradation of explosives in water. <i>Analytica Chimica Acta</i> , 2004, 501, 3-10.	2.6	66
32	Complexes of a new bidentate chelating pyridyl/sulfonamide ligand with copper(II), cobalt(II) and palladium(II): crystal structures and spectroscopic properties. <i>Inorganica Chimica Acta</i> , 1998, 278, 178-184.	1.2	65
33	Tetranuclear grid-like copper(II) complexes with pyrazolate bridges: syntheses, structures, magnetic and EPR spectroscopic properties. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 339-348.	1.1	65
34	Chemically surface-modified carbon nanoparticle carrier for phenolic pollutants: Extraction and electrochemical determination of benzophenone-3 and triclosan. <i>Analytica Chimica Acta</i> , 2008, 616, 28-35.	2.6	64
35	Vortex-assisted liquid-liquid microextraction revisited. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 332-339.	5.8	63
36	Sonolysis of natural phenolic compounds in aqueous solutions: degradation pathways and biodegradability. <i>Water Research</i> , 2004, 38, 3110-3118.	5.3	58

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37	Microwave-assisted headspace single-drop microextraction of chlorobenzenes from water samples. <i>Analytica Chimica Acta</i> , 2007, 592, 9-15.	2.6	58
38	Lanthanide complexes of the tetradentate N-donor ligand dihydrobis[3-(2-pyridyl)pyrazolyl]borate and the terdentate N-donor ligand 2,6-bis(1H-pyrazol-3-yl)pyridine: syntheses, crystal structures and solution structures based on luminescence lifetime studies. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 2079-2086.	1.1	56
39	Thin-Film Modified Electrodes with Reconstituted Cellulose α -PDDAC Films for the Accumulation and Detection of Triclosan. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2660-2666.	1.5	56
40	Effect of Henry's law constant and operating parameters on vacuum-assisted headspace solid phase microextraction. <i>Journal of Chromatography A</i> , 2012, 1244, 55-60.	1.8	54
41	Vacuum-assisted headspace solid phase microextraction of polycyclic aromatic hydrocarbons in solid samples. <i>Analytica Chimica Acta</i> , 2015, 890, 108-116.	2.6	54
42	Copper(II)-templated assembly of tetranuclear grid-like complexes from simple pyridine α -pyrazole ligands. <i>Chemical Communications</i> , 1997, , 175-176.	2.2	53
43	Vacuum-assisted headspace-solid phase microextraction for determining volatile free fatty acids and phenols. Investigations on the effect of pressure on competitive adsorption phenomena in a multicomponent system. <i>Analytica Chimica Acta</i> , 2017, 962, 41-51.	2.6	53
44	Enrichment Factors of Perfluoroalkyl Oxoanions at the Air/Water Interface. <i>Journal of Physical Chemistry A</i> , 2009, 113, 8826-8829.	1.1	51
45	Complexes of the potentially hexadentate ligand bis{3-[6-(2,2 α -bipyridyl)]pyrazol-1-yl}hydroborate with representative s-, p-, d- and f-block metal ions: factors promoting formation of mononuclear or double-helical dinuclear complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 537-544.	1.1	50
46	Miniaturized analytical methods for determination of environmental contaminants of emerging concern α A review. <i>Analytica Chimica Acta</i> , 2021, 1158, 238108.	2.6	49
47	Crystal structures of silver(I) and thallium(I) complexes of tris[3-(2-pyridyl)-pyrazol-1-yl]borate; encapsulation of either a single thallium(I) ion or a trinuclear silver(I) cluster by a hexadentate podand. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1175.	2.0	47
48	Hollow-fibre liquid-phase microextraction: A simple and fast cleanup step used for PAHs determination in pine needles. <i>Analytica Chimica Acta</i> , 2008, 618, 70-78.	2.6	46
49	Measuring the antioxidant activity of olive oil mill wastewater using chemiluminescence. <i>Environment International</i> , 2005, 31, 275-280.	4.8	40
50	Downsizing vacuum-assisted headspace solid phase microextraction. <i>Journal of Chromatography A</i> , 2013, 1300, 119-126.	1.8	40
51	Sonochemical reduction of the antioxidant activity of olive mill wastewater. <i>Environment International</i> , 2005, 31, 281-287.	4.8	38
52	Microwave activation of electrochemical processes: High temperature phenol and triclosan electro-oxidation at carbon and diamond electrodes. <i>Electrochimica Acta</i> , 2007, 53, 1092-1099.	2.6	38
53	Boronic acid dendrimer receptor modified nanofibrillar cellulose membranes. <i>Journal of Materials Chemistry</i> , 2010, 20, 588-594.	6.7	37
54	A Tutorial on AGREEprep an Analytical Greenness Metric for Sample Preparation. <i>Advances in Sample Preparation</i> , 2022, 3, 100025.	1.1	36

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55	Solid-phase microextraction to monitor the sonochemical degradation of polycyclic aromatic hydrocarbons in water. <i>Journal of Environmental Monitoring</i> , 2003, 5, 135-140.	2.1	33
56	A multifaceted investigation on the effect of vacuum on the headspace solid-phase microextraction of extra-virgin olive oil. <i>Analytica Chimica Acta</i> , 2020, 1103, 106-114.	2.6	33
57	Synthesis, crystal structure and some reactions of the ruthenacarborane complex		

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73	UV-254 degradation of nicotine in natural waters and leachates produced from cigarette butts and heat-not-burn tobacco products. <i>Environmental Research</i> , 2021, 194, 110695.	3.7	18
74	Nanofibrillar Cellulose-Chitosan Composite Film Electrodes: Competitive Binding of Triclosan, Fe(CN) ₆ ³⁻ , and SDS Surfactant. <i>Electroanalysis</i> , 2008, 20, 2395-2402.	1.5	17
75	Vacuum-assisted headspace single-drop microextraction: Eliminating interfacial gas-phase limitations. <i>Analytica Chimica Acta</i> , 2019, 1092, 9-16.	2.6	17
76	Square-prismatic vs. square-antiprismatic coordination in complexes of lead(II) with a simple bidentate chelating ligand; effects of intermolecular hydrogen bonding. <i>Chemical Communications</i> , 1997, , 1965.	2.2	16
77	Low temperature SPME device: A convenient and effective tool for investigating photodegradation of volatile analytes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 206, 227-230.	2.0	16
78	Removal of olive mill waste water phenolics using a crude peroxidase extract from onion by-products. <i>Environmental Chemistry Letters</i> , 2010, 8, 271-275.	8.3	15
79	Ice photolysis of 2,2,4,4,6-pentabromodiphenyl ether (BDE-100): Laboratory investigations using solid phase microextraction. <i>Analytica Chimica Acta</i> , 2012, 742, 90-96.	2.6	15
80	Plastic pellets sorptive extraction: Low-cost, rapid and efficient extraction of polycyclic aromatic hydrocarbons from environmental waters. <i>Analytica Chimica Acta</i> , 2016, 922, 30-36.	2.6	15
81	Application of in situ Solid-Phase Microextraction on Mediterranean Sponges for Untargeted Exometabolome Screening and Environmental Monitoring. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	15
82	The effect of vacuum: an emerging experimental parameter to consider during headspace microextraction sampling. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5989-5997.	1.9	14
83	The coordination chemistry of mixed pyridine-phenol and phenanthroline-phenol ligands; The crystal structure of 2-(2-hydroxyphenyl)-1,10-phenanthroline (HL) and the crystal structure and properties of [FeL ₂][PF ₆]. <i>Polyhedron</i> , 1995, 14, 599-604.	1.0	12
84	Vacuum-assisted headspace sorptive extraction: Theoretical considerations and proof-of-concept extraction of polycyclic aromatic hydrocarbons from water samples. <i>Analytica Chimica Acta</i> , 2020, 1096, 100-107.	2.6	12
85	Dissolved organic nitrogen as an indicator of livestock impacts on soil biochemical quality. <i>Applied Geochemistry</i> , 2011, 26, S340-S343.	1.4	11
86	Vacuum-assisted headspace thin-film microextraction: Theoretical formulation and method optimization for the extraction of polycyclic aromatic hydrocarbons from water samples. <i>Analytica Chimica Acta</i> , 2022, 1189, 339217.	2.6	11
87	Very weak electron-electron exchange interactions in paramagnetic dinuclear tris(pyrazolyl)boratomolybdenum centres with extended bridging ligands: estimation of the exchange coupling constant J by simulation of second-order EPR spectra. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 4341-4347.	1.1	10
88	Fast determination of aqueous fullerene C ₆₀ aggregates by vortex-assisted liquid-liquid microextraction and liquid chromatography-mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 4821-4827.	1.3	9
89	Sub-ambient temperature sampling of fish volatiles using vacuum-assisted headspace solid phase microextraction: Theoretical considerations and proof of concept. <i>Analytica Chimica Acta</i> , 2022, 1192, 339365.	2.6	9
90	Redox-mediation of electron-spin exchange interactions, $\hat{S}_j \hat{S}_k$, in paramagnetic trinuclear molybdenum complexes: an example of a \hat{J} switch™. <i>Dalton Transactions RSC</i> , 2000, , 241-249.	2.3	8

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91	Characterization and Dispersion Modeling of Odors from a Piggery Facility. Journal of Environmental Quality, 2010, 39, 2170-2178.	1.0	8
92	Comparison of PAH Levels and Sources in Pine Needles from Portugal, Spain, and Greece. Analytical Letters, 2012, 45, 508-525.	1.0	7
93	Quantification of trace transformation products of rocket fuel unsymmetrical dimethylhydrazine in sand using vacuum-assisted headspace solid-phase microextraction. Environmental Science and Pollution Research, 2022, 29, 33645-33656.	2.7	7
94	Real-time water quality monitoring of an artificial lake using a portable, affordable, simple, Arduino-based open source sensor. Environmental Engineering, 2019, 6, 7-14.	0.2	6
95	UV-induced transformation of 2,3-dibromo-5,6-dimethyl-1,4-benzoquinone in water and treated wastewater. Environmental Research, 2019, 175, 343-350.	3.7	4
96	UVC-induced degradation of cilastatin in natural water and treated wastewater. Chemosphere, 2021, 280, 130668.	4.2	3
97	Magnetic communication in acyclic mixed-valence trimolybdenum complexes mediated by redox switching. Chemical Communications, 1998, , 835-836.	2.2	2
98	16th International Symposium on Advances in Extraction Technologies (ExTech 2014; Chania, Crete,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	0
99	Editorial. Journal of Separation Science, 2020, 43, 1622-1622.	1.3	0
100	Environmental Analysis and the Dual Grand Challenge of COVID-19 and Sustainable Development. Frontiers in Analytical Science, 2021, 1, .	1.1	0
101	Endocrine disrupting compounds in olive oil. , 0, , 21-27.		0
102	Unconfined liquid-phase microextraction. , 2021, , 79-96.		0
103	Odor Problems in the Food Industry. , 2006, , 1-13.		0
104	Odor Measurement. , 2006, , 15-39.		0
105	Preconcentration Prior to Gas Chromatography. , 2006, , 41-45.		0