

Emilia Vassileva

List of Publications by Year in descending order

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68
papers

1,474
citations

361413

20
h-index

345221

36
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69
all docs

69
docs citations

69
times ranked

1485
citing authors

#	ARTICLE	IF	CITATIONS
1	The occurrence and distribution of rare earth elements in mineral and thermal waters in the Polish Lowlands. <i>Journal of Geochemical Exploration</i> , 2022, 237, 106984.	3.2	4
2	Marine sponges as coastal bioindicators of rare earth elements bioaccumulation in the French Mediterranean Sea. <i>Environmental Pollution</i> , 2022, 304, 119172.	7.5	8
3	Chemical Forms of Mercury in Blue Marlin Billfish: Implications for Human Exposure. <i>Environmental Science and Technology Letters</i> , 2021, 8, 405-411.	8.7	21
4	Rapid determination of femtomolar methylmercury in seawater using automated GC-AFS method: Optimisation of the extraction step and method validation. <i>Talanta</i> , 2021, 232, 122492.	5.5	7
5	Reference Measurements for Priority and Essential Trace Elements and Methyl Mercury with Isotope Dilution Inductively Coupled Plasma-Mass Spectrometry for Seafood Safety Assessment and CRM Production. <i>Food Analytical Methods</i> , 2020, 13, 390-402.	2.6	3
6	Reference measurements of mercury species in seafood using isotope dilution inductively coupled plasma mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2020, 86, 103381.	3.9	6
7	A multinebulization technique for the determination of trace metals in a marine biota sample by on-line isotope dilution inductively coupled plasma mass spectrometry (OID-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2509-2516.	3.0	2
8	Temporal variation of trace elements, rare earth elements and Pb isotope ratios in sediment core from Kiel Bay, western Baltic Sea. <i>Environmental Chemistry</i> , 2020, 17, 579.	1.5	4
9	Simultaneous speciation analysis of mercury in marine origin samples by high performance liquid chromatography and species - specific isotope dilution inductively coupled plasma mass spectrometry. <i>Talanta</i> , 2020, 217, 121113.	5.5	15
10	Environmental monitoring of total mercury content in different marine compartments after cold vapor generation and inductively coupled plasma mass spectrometry determination. <i>Accreditation and Quality Assurance</i> , 2020, 25, 221-231.	0.8	5
11	Comparative study on Hg bioaccumulation and biotransformation in Mediterranean and Atlantic sponge species. <i>Chemosphere</i> , 2020, 260, 127515.	8.2	15
12	Trace elements contamination assessment in marine sediments from different regions of the Caribbean Sea. <i>Journal of Hazardous Materials</i> , 2020, 399, 122934.	12.4	12
13	Cold vapour matrix-independent generation and isotope dilution inductively coupled plasma mass spectrometry for reference measurements of Hg in marine environmental samples. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22051-22060.	5.3	4
14	First assessment on trace elements in sediment cores from Namibian coast and pollution sources evaluation. <i>Science of the Total Environment</i> , 2019, 669, 668-682.	8.0	20
15	Off-line preconcentration and inductively coupled plasma sector field mass spectrometry simultaneous determination of Cd, Co, Cu, Mn, Ni, Pb and Zn mass fractions in seawater: Procedure validation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 153, 19-27.	2.9	12
16	Marine sponges as a powerful tool for trace elements biomonitoring studies in coastal environment. <i>Marine Pollution Bulletin</i> , 2018, 131, 633-645.	5.0	44
17	Baseline study on trace and rare earth elements in marine sediments collected along the Namibian coast. <i>Marine Pollution Bulletin</i> , 2018, 131, 386-395.	5.0	8
18	Determination of ultra-trace level of ²³² Th in seawater by ICP-SFMS after matrix separation and preconcentration. <i>Analytica Chimica Acta</i> , 2018, 1000, 144-154.	5.4	16

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19	Certification for trace elements and methyl mercury mass fractions in IAEA-456 marine sediment sample. Accreditation and Quality Assurance, 2018, 23, 29-37.	0.8	2
20	Determination of low-level plutonium in seawater by sector field inductively coupled plasma mass spectrometry: method validation. Environmental Science and Pollution Research, 2017, 24, 7898-7910.	5.3	8
21	Method validation for high resolution sector field inductively coupled plasma mass spectrometry determination of the emerging contaminants in the open ocean: Rare earth elements as a case study. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 128, 1-10.	2.9	31
22	Determination of selected trace elements in marine biota samples with the application of fast temperature programs and solid sampling continuous source high resolution atomic absorption spectroscopy: method validation. International Journal of Environmental Analytical Chemistry, 2017, , 1-20.	3.3	3
23	3. Trace Elements in the Environment. , 2017, , 95-177.		0
24	Certified reference materials for radionuclides in Bikini Atoll sediment (IAEA-410) and Pacific Ocean sediment (IAEA-412). Applied Radiation and Isotopes, 2016, 109, 101-104.	1.5	19
25	Determination of cadmium, copper, mercury, lead and zinc mass fractions in marine sediment by isotope dilution inductively coupled plasma mass spectrometry applied as a reference method. Microchemical Journal, 2016, 128, 198-207.	4.5	33
26	Reference measurements for total mercury and methyl mercury content in marine biota samples using direct or species-specific isotope dilution inductively coupled plasma mass spectrometry. Talanta, 2016, 160, 562-569.	5.5	21
27	Development of procedure for measurement of Pb isotope ratios in seawater by application of seaFAST sample pre-treatment system and Sector Field Inductively Coupled Plasma Mass Spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 126, 93-100.	2.9	9
28	Determination of methylmercury in marine biota samples with advanced mercury analyzer: Method validation. Food Chemistry, 2015, 176, 367-375.	8.2	20
29	Marine sediments monitoring studies for trace elements with the application of fast temperature programs and solid sampling high resolution continuum source atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 103-104, 131-143.	2.9	7
30	Determination of total mercury for marine environmental monitoring studies by solid sampling continuum source high resolution atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 103-104, 24-33.	2.9	11
31	Determination of methylmercury in marine sediment samples: Method validation and occurrence data. Analytica Chimica Acta, 2015, 853, 167-178.	5.4	28
32	Determination of methylmercury in marine biota samples: Method validation. Talanta, 2014, 122, 106-114.	5.5	32
33	Certified Reference Material IAEA-446 for radionuclides in Baltic Sea seaweed. Applied Radiation and Isotopes, 2014, 87, 468-474.	1.5	26
34	Reference measurements for cadmium, copper, mercury, lead, zinc and methyl mercury mass fractions in scallop sample by isotope dilution inductively coupled plasma mass spectrometry. Microchemical Journal, 2014, 116, 197-205.	4.5	21
35	Application of Isotope Dilution Mass Spectrometry for Reference Measurements of Cadmium. Copper, Mercury, Lead, Zinc and Methyl Mercury in Marine Sediment Sample. E3S Web of Conferences, 2013, 1, 05008.	0.5	0
36	Isotope analysis for marine environmental studies. International Journal of Mass Spectrometry, 2011, 307, 192-199.	1.5	16

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37	Certification for trace elements and methyl mercury mass fractions in IAEA-452 scallop (Pecten Tj ETQq1 1 0.784314 rgBT /Qverlock IC	0.8	4
38	Cadmium determination in natural waters at the limit imposed by European legislation by isotope dilution and TiO ₂ solid-phase extraction. Analytical and Bioanalytical Chemistry, 2011, 401, 2785-2792.	3.7	14
39	Determination of the total and extractable mass fractions of cadmium and lead in mineral feed by using isotope dilution inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2011, 701, 37-44.	5.4	18
40	First results on Fe solid-phase extraction from coastal seawater using anatase TiO ₂ nano-particles. Analytical and Bioanalytical Chemistry, 2010, 396, 2349-2361.	3.7	22
41	TrainMiC [®] : a programme for life-long learning in metrology in chemistry. Accreditation and Quality Assurance, 2009, 14, 167-173.	0.8	3
42	Proficiency test for heavy metals in feed and food in Europe. TrAC - Trends in Analytical Chemistry, 2009, 28, 454-465.	11.4	15
43	TrainMiC [®] : Providing a Tool for the Inter-Calibration of Technical Assessors in Europe in the Area of Chemical Measurements. Chimia, 2009, 63, 686-688.	0.6	0
44	Influence of the correction for moisture/water content on the quality of the certification of cadmium, copper and lead mass fractions in rice. Food Chemistry, 2008, 106, 1485-1490.	8.2	9
45	A strategy for a national metrology institute to create a cost effective distributed metrology infrastructure for chemical measurements. Accreditation and Quality Assurance, 2004, 9, 478.	0.8	0
46	Certification measurement of the cadmium, copper and lead contents in rice using isotope dilution inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2004, 519, 79-86.	5.4	43
47	TrainMiC: an information platform as a tool for the education of metrology in chemistry. Accreditation and Quality Assurance, 2003, 8, 369-371.	0.8	6
48	Certification of the Cu and Cd amount contents in artificial food digest using isotope dilution inductively coupled plasma mass spectrometry for Pilot Study 13 of the Comit� Consultatif pour la Quantit� de Mati�re. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 1553-1565.	2.9	19
49	Application of iminodiacetate chelating resin muromac A-1 in on-line preconcentration and inductively coupled plasma optical emission spectroscopy determination of trace elements in natural waters. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 1541-1552.	2.9	31
50	A participatory improvement activity of the EC-JRC to improve metrology in chemistry in EU candidate countries. Accreditation and Quality Assurance, 2002, 7, 419-422.	0.8	1
51	Revisitation of mineralization modes for arsenic and selenium determinations in environmental samples. Talanta, 2001, 54, 187-196.	5.5	43
52	Discussion of parameters associated with the determination of arsenic by electrothermal atomic absorption spectrometry in slurried environmental samples. Fresenius' Journal of Analytical Chemistry, 2001, 369, 159-165.	1.5	10
53	Advantages of the iridium permanent modifier in fast programs applied to trace-element analysis of plant samples by electrothermal atomic absorption spectrometry. Fresenius' Journal of Analytical Chemistry, 2001, 369, 491-495.	1.5	12
54	Application of high-surface-area ZrO ₂ in preconcentration and determination of 18 elements by on-line flow injection with inductively coupled plasma atomic emission spectrometry. Fresenius' Journal of Analytical Chemistry, 2001, 370, 52-59.	1.5	75

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55	Determination of arsenic in plant samples by inductively coupled plasma atomic emission spectrometry with ultrasonic nebulization: a complex problem. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 223-232.	2.9	17
56	Determination of arsenic and selenium species in groundwater and soil extracts by ion chromatography coupled to inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2001, 441, 135-146.	5.4	77
57	Assessment of Heavy Metals Air Pollution in Urban and Industrial Environments Using OAK Leaves as Biondicators. <i>International Journal of Environmental Analytical Chemistry</i> , 2000, 78, 159-173.	3.3	6
58	Chromium speciation analysis by solid-phase extraction on a high surface area TiO ₂ . <i>Analyst, The</i> , 2000, 125, 693-698.	3.5	70
59	Use of high surface area TiO ₂ for preconcentration and following determination of Cr species by on-line flow injection inductively coupled plasma atomic emission spectrometry. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000, 28, 878-884.	0.4	11
60	Characterization of Ni/SiO ₂ Catalysts Prepared by Successive Deposition and Reduction of Ni ²⁺ Ions. <i>Journal of Catalysis</i> , 1999, 185, 314-323.	6.2	168
61	Critical discussion on the need for an efficient mineralization procedure for the analysis of plant material by atomic spectrometric methods. <i>Analytica Chimica Acta</i> , 1998, 358, 85-94.	5.4	85
62	Determination of trace elements in AR grade alkali salts after preconcentration by column solid-phase extraction on TiO ₂ (anatase). <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 881-885.	1.5	25
63	Solid-phase extraction of heavy metal ions on a high surface area titanium dioxide (anatase). <i>Analyst, The</i> , 1996, 121, 607.	3.5	112
64	The Role of Proteins in the Fixation of Heavy Metals on Oak Leaves. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 62, 129-136.	3.3	2
65	Column solid-phase extraction of heavy metal ions on a high surface area CeO ₂ as a preconcentration method for trace determination. <i>Analytica Chimica Acta</i> , 1996, 336, 141-150.	5.4	50
66	Preconcentration methods for determination of trace amounts of impurities in high-purity copper salts by atomic absorption spectrometry and inductively coupled plasma atomic emission spectrometry. <i>Analyst, The</i> , 1992, 117, 1933.	3.5	14
67	Regular solution theory in model interpretation of the analyte losses during preatomization sample treatment in the presence of chemical modifiers in electrothermal atomization atomic absorption spectrometry. <i>Analytical Chemistry</i> , 1992, 64, 2596-2603.	6.5	16
68	Extraction systems of flame atomic absorption determination of trace impurities in high purity nickel salts. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 336, 582-585.	1.5	3