Jaroslav Slobodnik

List of Publications by Year
in descending order

100	5,856	76031	87275
papers	citations	42 h-index	74 g-index

103	103	103	6247
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Determination of 56 per- and polyfluoroalkyl substances in top predators and their prey from Northern Europe by LC-MS/MS. Chemosphere, 2022, 287, 131775.	4.2	40
2	Screening of legacy and emerging substances in surface water, sediment, biota and groundwater samples collected in the Siverskyi Donets River Basin employing wide-scope target and suspect screening. Science of the Total Environment, 2022, 805, 150253.	3.9	14
3	Enhancing the use of exposure science across EU chemical policies as part of the European Exposure Science Strategy 2020â€“2030. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 513-525.	1.8	17
4	A Multi-Label Classifier for Predicting the Most Appropriate Instrumental Method for the Analysis of Contaminants of Emerging Concern. Metabolites, 2022, 12, 199.	1.3	5
5	Antibiotic Resistance in Black Sea Microbial Communities. Frontiers in Environmental Science, 2022, 10, .	1.5	2
6	One planet: one health. A call to support the initiative on a global scienceâ€“policy body on chemicals and waste. Environmental Sciences Europe, 2022, 34, 21.	2.6	39
7	A novel workflow for semi-quantification of emerging contaminants in environmental samples analyzed by LC-HRMS. Analytical and Bioanalytical Chemistry, 2022, 414, 7435-7450.	1.9	25
8	Target and suspect screening of 4777 per- and polyfluoroalkyl substances (PFAS) in river water, wastewater, groundwater and biota samples in the Danube River Basin. Journal of Hazardous Materials, 2022, 436, 129276.	6.5	30
9	Microplastics in the Danube River Basin: A First Comprehensive Screening with a Harmonized Analytical Approach. ACS ES&T Water, 2022, 2, 1174-1181.	2.3	20
10	Potential human health risks due to environmental exposure to nano- and microplastics and knowledge gaps: A scoping review. Science of the Total Environment, 2021, 757, 143872.	3.9	359
11	Microplastics in the Black Sea sediments. Science of the Total Environment, 2021, 760, 143898.	3.9	87
12	Sources and occurrence of pharmaceutical residues in offshore seawater. , 2021, , 329-350.		1
13	Dynamic passive sampling of hydrophobic organic compounds in surface seawater along the South Atlantic Ocean east-to-west transect and across the Black Sea. Marine Pollution Bulletin, 2021, 168, 112375.	2.3	12
14	Making Waves: Collaboration in the time of SARS-CoV-2 - rapid development of an international co-operation and wastewater surveillance database to support public health decision-making. Water Research, 2021, 199, 117167.	5.3	48
15	Development and Application of Liquid Chromatographic Retention Time Indices in HRMS-Based Suspect and Nontarget Screening. Analytical Chemistry, 2021, 93, 11601-11611.	3.2	79
16	A human biomonitoring (HBM) Global Registry Framework: Further advancement of HBM research following the FAIR principles. International Journal of Hygiene and Environmental Health, 2021, 238, 113826.	2.1	17
17	Holistic pelagic biodiversity monitoring of the Black Sea via eDNA metabarcoding approach: From bacteria to marine mammals. Environment International, 2020, 135, 105307.	4.8	58
18	The relationship between river basin specific (RBS) pollutants and macroinvertebrate communities. Journal of Limnology, 2020, 79, .	0.3	2

#	Article	IF	Citations
19	Aquatic Worm Assemblages along the Danube: A Homogenization Warning. Water (Switzerland), 2020, 12, 2612.	1.2	2
20	The NORMAN Association and the European Partnership for Chemicals Risk Assessment (PARC): letâ€™s cooperate!. Environmental Sciences Europe, 2020, 32, .	2.6	46
21	Evaluation of chemical and biological contaminants of emerging concern in treated wastewater intended for agricultural reuse. Environment International, 2020, 138, 105597.	4.8	70
22	Explaining the rationale behind the risk assessment of surfactants by Freeling et al. (2019). Science of the Total Environment, 2020, 721, 136828.	3.9	0
23	Assessment of the chemical pollution status of the Dniester River Basin by wide-scope target and suspect screening using mass spectrometric techniques. Analytical and Bioanalytical Chemistry, 2020, 412, 4893-4907.	1.9	33
24	Computational material flow analysis for thousands of chemicals of emerging concern in European waters. Journal of Hazardous Materials, 2020, 397, 122655.	6.5	31
25	High-resolution mass spectrometry to complement monitoring and track emerging chemicals and pollution trends in European water resources. Environmental Sciences Europe, 2019, 31, .	2.6	74
26	Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. Environmental Sciences Europe, 2019, 31, .	2.6	140
27	High resolution mass spectrometry-based non-target screening can support regulatory environmental monitoring and chemicals management. Environmental Sciences Europe, 2019, 31, .	2.6	107
28	Let us empower the WFD to prevent risks of chemical pollution in European rivers and lakes. Environmental Sciences Europe, 2019, 31, .	2.6	13
29	Progress on bringing together raptor collections in Europe for contaminant research and monitoring in relation to chemicals regulation. Environmental Science and Pollution Research, 2019, 26, 20132-20136.	2.7	30
30	Occurrence and potential environmental risk of surfactants and their transformation products discharged by wastewater treatment plants. Science of the Total Environment, 2019, 681, 475-487.	3.9	51
31	The strength in numbers: comprehensive characterization of house dust using complementary mass spectrometric techniques. Analytical and Bioanalytical Chemistry, 2019, 411, 1957-1977.	1.9	84
32	Characterization of wastewater effluents in the Danube River Basin with chemical screening, in vitro bioassays and antibiotic resistant genes analysis. Environment International, 2019, 127, 420-429.	4.8	83
33	NORMAN digital sample freezing platform: A European virtual platform to exchange liquid chromatography high resolution-mass spectrometry data and screen suspects in â€œdigitally frozenâ€• environmental samples. TrAC - Trends in Analytical Chemistry, 2019, 115, 129-137.	5.8	89
34	The impact of on-site hospital wastewater treatment on the downstream communal wastewater system in terms of antibiotics and antibiotic resistance genes. International Journal of Hygiene and Environmental Health, 2019, 222, 635-644.	2.1	131
35	Analytical and bioanalytical assessments of organic micropollutants in the Bosna River using a combination of passive sampling, bioassays and multi-residue analysis. Science of the Total Environment, 2019, 650, 1599-1612.	3.9	36
36	Strengthen the European collaborative environmental research to meet European policy goals for achieving a sustainable, non-toxic environment. Environmental Sciences Europe, 2019, 31, .	2.6	7

#	Article	IF	Citations
37	Increase coherence, cooperation and cross-compliance of regulations on chemicals and water quality. Environmental Sciences Europe, 2019, 31, .	2.6	8
38	Establish data infrastructure to compile and exchange environmental screening data on a European scale. Environmental Sciences Europe, 2019, 31, .	2.6	13
39	Prioritisation of water pollutants: the EU Project SOLUTIONS proposes a methodological framework for the integration of mixture risk assessments into prioritisation procedures under the European Water Framework Directive. Environmental Sciences Europe, 2019, 31, .	2.6	22
40	A holistic approach is key to protect water quality and monitor, assess and manage chemical pollution of European surface waters. Environmental Sciences Europe, 2019, 31, .	2.6	12
41	The European Collaborative Project SOLUTIONS developed models to provide diagnostic and prognostic capacity and fill data gaps for chemicals of emerging concern. Environmental Sciences Europe, 2019, 31, .	2.6	26
42	Mobile dynamic passive sampling of trace organic compounds: Evaluation of sampler performance in the Danube River. Science of the Total Environment, 2018, 636, 1597-1607.	3.9	26
43	Exploring the Potential of a Global Emerging Contaminant Early Warning Network through the Use of Retrospective Suspect Screening with High-Resolution Mass Spectrometry. Environmental Science & Technology, 2018, 52, 5135-5144.	4.6	101
44	Emerging pollutants in the EU: 10Âyears of NORMAN in support of environmental policies and regulations. Environmental Sciences Europe, 2018, 30, 5.	2.6	171
45	Towards a holistic and solution-oriented monitoring of chemical status of European water bodies: how to support the EU strategy for a non-toxic environment?. Environmental Sciences Europe, 2018, 30, 33.	2.6	76
46	Identification of algal growth inhibitors in treated waste water using effect-directed analysis based on non-target screening techniques. Journal of Hazardous Materials, 2018, 358, 494-502.	6.5	24
47	Screening of benzodiazepines in thirty European rivers. Chemosphere, 2017, 176, 324-332.	4.2	52
48	European demonstration program on the effect-based and chemical identification and monitoring of organic pollutants in European surface waters. Science of the Total Environment, 2017, 601-602, 1849-1868.	3.9	151
49	An expanded conceptual framework for solution-focused management of chemical pollution in European waters. Environmental Sciences Europe, 2017, 29, 13.	2.6	25
50	Assessment of a novel device for onsite integrative large-volume solid phase extraction of water samples to enable a comprehensive chemical and effect-based analysis. Science of the Total Environment, 2017, 581-582, 350-358.	3.9	63
51	Longitudinal profile of the genotoxic potential of the River Danube on erythrocytes of wild common bleak (Alburnus alburnus) assessed using the comet and micronucleus assay. Science of the Total Environment, 2016, 573, 1441-1449.	3.9	33
52	Rapid Screening of Acetylcholinesterase Inhibitors by Effect-Directed Analysis Using LC Ã— LC Fractionation, a High Throughput in Vitro Assay, and Parallel Identification by Time of Flight Mass Spectrometry. Analytical Chemistry, 2016, 88, 2353-2360.	3.2	32
53	Assessment of the genotoxic potential along the Danube River by application of the comet assay on haemocytes of freshwater mussels: The Joint Danube Survey 3. Science of the Total Environment, 2016, 540, 377-385.	3.9	43
54	Assessment of the contamination of riparian soil and vegetation by trace metals â€" A Danube River case study. Science of the Total Environment, 2016, 540, 396-409.	3.9	58

#	Article	IF	Citations
55	In Response: The NORMAN perspectives on prioritization of emerging pollutants. Environmental Toxicology and Chemistry, 2015, 34, 2183-2185.	2.2	9
56	Future water quality monitoring â€" Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551.	3.9	243
57	Non-target screening with high-resolution mass spectrometry: critical review using a collaborative trial on water analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 6237-6255.	1.9	489
58	COST Action ES1403: New and Emerging challenges and opportunities in wastewater REUSe (NEREUS). Environmental Science and Pollution Research, 2015, 22, 7183-7186.	2.7	25
59	Identification of the Danube River Basin Specific Pollutants and Their Retrospective Risk Assessment. Handbook of Environmental Chemistry, 2015, , 95-110.	0.2	5
60	The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. Science of the Total Environment, 2015, 503-504, 22-31.	3.9	163
61	Spatial differences and temporal changes in illicit drug use in <scp>E</scp>urope quantified by wastewater analysis. Addiction, 2014, 109, 1338-1352.	1.7	319
62	EDA-EMERGE: an FP7 initial training network to equip the next generation of young scientists with the skills to address the complexity of environmental contamination with emerging pollutants. Environmental Sciences Europe, 2013, 25, .	2.6	13
63	The NORMAN Network and its activities on emerging environmental substances with a focus on effect-directed analysis of complex environmental contamination. Environmental Sciences Europe, 2012, 24, .	2.6	49
64	Identification of river basin specific pollutants and derivation of environmental quality standards: A case study in the Slovak Republic. TrAC - Trends in Analytical Chemistry, 2012, 41, 133-145.	5.8	46
65	Triclosanâ€"the forgotten priority substance?. Environmental Science and Pollution Research, 2012, 19, 585-591.	2.7	71
66	A harmonized European framework for method validation to support research on emerging pollutants. TrAC - Trends in Analytical Chemistry, 2011, 30, 1233-1242.	5.8	14
67	A new risk assessment approach for the prioritization of 500 classical and emerging organic microcontaminants as potential river basin specific pollutants under the European Water Framework Directive. Science of the Total Environment, 2011, 409, 2064-2077.	3.9	259
68	NORMANâ€"network of reference laboratories, research centres and related organisations for monitoring of emerging substances. Environmental Science and Pollution Research, 2009, 16, 132-135.	2.7	31
69	Application of large volume injection GCâ€"MS to analysis of organic compounds in the extracts and leachates of municipal solid waste incineration fly ash. Waste Management, 2006, 26, 1005-1016.	3.7	10
70	Automated Water Analyser Computer Supported System (AWACSS) Part I: Project objectives, basic technology, immunoassay development, software design and networking. Biosensors and Bioelectronics, 2005, 20, 1499-1508.	5.3	86
71	Automated Water Analyser Computer Supported System (AWACSS). Biosensors and Bioelectronics, 2005, 20, 1509-1519.	5.3	90
72	Biosensors for unattended, cost-effective and continuous monitoring of environmental pollution: Automated Water Analyser Computer Supported System (AWACSS) and River Analyser (RIANA). International Journal of Environmental Analytical Chemistry, 2005, 85, 837-852.	1.8	11

#	Article	IF	Citations
73	Optimization of Conditions for PTV Large-Volume Injection Combined with Fast GC-MS. Journal of Chromatographic Science, 2004, 42, 531-535.	0.7	5
74	Study on the feasibility of coupling large-volume injection to fast gas chromatography with mass spectrometric detection for analysis of organochlorine pesticides. Journal of Separation Science, 2003, 26, 1193-1197.	1.3	19
75	Leaching Studies of Inorganic and Organic Compounds from Fly Ash. International Journal of Environmental Analytical Chemistry, 2002, 82, 751-770.	1.8	22
76	Large Volume Injection in Fast Gas Chromatography with On-Column Injector. Journal of High Resolution Chromatography, 2000, 23, 149-155.	2.0	13
77	Determination of microcontaminants in sediments by on-line solid-phase extractionâ€“gas chromatographyâ€“mass spectrometry. Chemosphere, 2000, 41, 1469-1478.	4.2	25
78	Transformation Studies of Some Polar Pesticides In Water By On-Line Solid-Phase Extraction and Liquid Chromatography/Particle Beam-Mass Spectrometry. Analytical Letters, 2000, 33, 249-263.	1.0	4
79	Formation and identification of azaarene transformation products from aquatic invertebrate and algal metabolism. Biomedical Applications, 1999, 724, 265-274.	1.7	14
80	Large-volume liquid chromatographic trace-enrichment system for environmental analysis. Chromatographia, 1999, 50, 141-149.	0.7	15
81	Use of Chemical Ionization in Multianalysis Gas and Liquid Chromatography Combined With a Single Mass Spectrometer for the Ultra-trace Level Determination of Microcontaminants in Aqueous Samplesâ€. Analyst, The, 1997, 122, 1497-1503.	1.7	11
82	Monitoring of organic micropollutants in surface water by automated on-line trace-enrichment liquid and gas chromatographic systems with ultraviolet diode-array and mass spectrometric detection. Journal of Chromatography A, 1997, 768, 239-258.	1.8	52
83	Identification of Carbamates by Particle Beam/Mass Spectrometry. Journal of Mass Spectrometry, 1997, 32, 43-54.	0.7	13
84	On-line solid-phase extractionâ€“liquid chromatographyâ€“particle beam mass spectrometry and gas chromatographyâ€“mass spectrometry of carbamate pesticides. Analyst, The, 1996, 121, 1327-1334.	1.7	27
85	Single short-column liquid chromatography with atmospheric pressure chemical ionization-(tandem) mass spectrometric detection for trace environmental analysis. Chromatographia, 1996, 42, 506-514.	0.7	45
86	Integrated system for on-line gas and liquid chromatography with a single mass spectrometric detector for the automated analysis of environmental samples. Journal of Chromatography A, 1996, 730, 353-371.	1.8	43
87	Analysis of microcontaminants in aqueous samples by fully automated on-line solid-phase extraction-gas chromatography-mass selective detection. Journal of Chromatography A, 1996, 725, 67-83.	1.8	58
88	Comparison of gas and liquid chromatography for analysing polar pesticides in water samples. Journal of Chromatography A, 1996, 733, 235-258.	1.8	114
89	Trace-level determination of pesticide residues using on-line solid-phase extraction-column liquid chromatography with atmospheric pressure ionization mass spectrometric and tandem mass spectrometric detection. Journal of Chromatography A, 1996, 741, 59-74.	1.8	104
90	Solid-phase extraction of polar pesticides from environmental water samples on graphitized carbon and Empore-activated carbon disks and on-line coupling to octadecyl-bonded silica analytical columns. Journal of Chromatography A, 1996, 750, 227-238.	1.8	58

#	Article	IF	Citations
91	Column liquid chromatography-mass spectrometry: Selected techniques in environmental applications for polar pesticides and related compounds. Journal of Chromatography A, 1995, 703, 81-121.	1.8	127
92	Effect of ion source pressure on ion formation of carbamates in particle-beam chemical-ionisation mass spectrometry. Journal of Chromatography A, 1995, 712, 21-30.	1.8	16
93	Rapid liquid chromatographic screening of organic micropollutants in aqueous samples using a single short column for trace enrichment and separation. Journal of Chromatography A, 1995, 696, 333-340.	1.8	19
94	Trace-level detection and identification of polar pesticides in surface water: The SAMOS approach. TrAC - Trends in Analytical Chemistry, 1994, 13, 373-381.	5.8	46
95	Automated determination of weakly acidic and basic pollutants in surface water by on-line electrodialysis sample treatment and column liquid chromatography. Analyst, The, 1994, 119, 1753.	1.7	16
96	Liquid chromatography â€" Particle beam mass spectrometry for identification of unknown pollutants in water. Chromatographia, 1993, 37, 159-167.	0.7	45
97	Fully automated multi-residue method for trace level monitoring of polar pesticides by liquid chromatography. Journal of Chromatography A, 1993, 642, 359-370.	1.8	98
98	Fully automated on-line liquid chromatographic separation system for polar pollutants in various types of water. Analytica Chimica Acta, 1992, 268, 55-65.	2.6	93
99	NORMANâ€“ Network of Reference Laboratories for Monitoring of Emerging Substances. Water Quality Measurements Series, 0, , 355-369.	0.1	0
100	ELIXIR and Toxicology: a community in development. F1000Research, 0, 10, 1129.	0.8	3