

Gyula Zaray

List of Publications by Year in descending order

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36
papers

791
citations

566801

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525886

27
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36
times ranked

1174
citing authors

#	ARTICLE	IF	CITATIONS
1	UV and (V)UV irradiation of sitagliptin in ultrapure water and WWTP effluent: Kinetics, transformation products and degradation pathway. <i>Chemosphere</i> , 2022, 288, 132393.	4.2	6
2	Disinfection of therapeutic water â€“ balancing risks against benefits: case study of Hungarian therapeutic baths on the effects of technological steps and disinfection on therapeutic waters. <i>Journal of Water and Health</i> , 2022, 20, 92-102.	1.1	1
3	Comparison of Disinfection By-Product Formation and Distribution during Breakpoint Chlorination and Chlorine-Based Disinfection in Drinking Water. <i>Water (Switzerland)</i> , 2022, 14, 1372.	1.2	3
4	(V)UV degradation of the antibiotic tetracycline: Kinetics, transformation products and pathway. <i>Chemical Engineering Research and Design</i> , 2022, 163, 395-404.	2.7	6
5	Effect of arsenic-contaminated irrigation water on growth and elemental composition of tomato and cabbage cultivated in three different soils, and related health risk assessment. <i>Environmental Research</i> , 2021, 197, 111098.	3.7	14
6	Application of (V)UV/O3 technology for post-treatment of biologically treated wastewater: A pilot-scale study. <i>Chemosphere</i> , 2021, 275, 130080.	4.2	21
7	Determination of low-level arsenic, lead, cadmium and mercury concentration in breast milk of Hungarian women. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, 100, 549-566.	1.8	12
8	Optimization of Lignite Particle Size for Stabilization of Trivalent Chromium in Soils. <i>Soil and Sediment Contamination</i> , 2020, 29, 272-291.	1.1	10
9	Effect of Irrigation Water Containing Iodine on Plant Physiological Processes and Elemental Concentrations of Cabbage (<i>Brassica oleracea</i> L. var. <i>capitata</i> L.) and Tomato (<i>Solanum lycopersicum</i>) Tj ETQq1 1 0.784314 mgBT /Ove	1.7	13
10	Biofortification of green bean (<i>Phaseolus vulgaris</i> L.) and lettuce (<i>Lactuca sativa</i> L.) with iodine in a plant-calcareous sandy soil system irrigated with water containing KI. <i>Journal of Food Composition and Analysis</i> , 2020, 88, 103434.	1.9	25
11	Biofortification of Potato and Carrot With Iodine by Applying Different Soils and Irrigation With Iodine-Containing Water. <i>Frontiers in Plant Science</i> , 2020, 11, 593047.	1.7	13
12	Enhanced photolytic and photooxidative treatments for removal of selected pharmaceutical ingredients and their degradation products in water matrices. <i>Microchemical Journal</i> , 2019, 150, 104136.	2.3	7
13	Formation of chlorination by-products in drinking water treatment plants using breakpoint chlorination. <i>Microchemical Journal</i> , 2019, 149, 104008.	2.3	69
14	A filtration optimized on-line SPEâ€“HPLCâ€“MS/MS method for determination of three macrolide antibiotics dissolved and bound to suspended solids in surface water. <i>Microchemical Journal</i> , 2019, 148, 480-492.	2.3	20
15	Single-run ultra-high performance liquid chromatography for quantitative determination of ultra-traces of ten popular active pharmaceutical ingredients by quadrupole time-of-flight mass spectrometry after offline preconcentration by solid phase extraction from drinking and river waters as well as treated wastewater. <i>Microchemical Journal</i> , 2019, 148, 108-119.	2.3	31
16	Effect of irrigation water containing arsenic on elemental composition of bean and lettuce plants cultivated in calcareous sandy soil. <i>Food Production Processing and Nutrition</i> , 2019, 1, .	1.1	9
17	Comparative study of ferrate and thermally activated persulfate treatments for removal of mono- and dichlorobenzenes from groundwater. <i>Microchemical Journal</i> , 2018, 136, 61-66.	2.3	10
18	Laboratory scale study for remediation of polluted groundwater by ferrate treatment. <i>Microchemical Journal</i> , 2017, 133, 231-236.	2.3	1

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19	Oxidative potential and chemical composition of PM2.5 in office buildings across Europe â€” The OFFICAIR study. <i>Environment International</i> , 2016, 92-93, 324-333.	4.8	56
20	Determination of particulate phase polycyclic aromatic hydrocarbons and their nitrated and oxygenated derivatives using gas chromatographyâ€”mass spectrometry and liquid chromatographyâ€”tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1472, 88-98.	1.8	26
21	Occurrence of antimony and phthalate esters in polyethylene terephthalate bottled drinking water. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 183-209.	3.4	42
22	Microchemical characterization of biogeochemical samples collected from the Buda Thermal Karst System, Hungary. <i>Microchemical Journal</i> , 2016, 124, 116-120.	2.3	12
23	Changes in chemical composition and oxidative potential of urban PM2.5 between 2010 and 2013 in Hungary. <i>Science of the Total Environment</i> , 2015, 518-519, 534-544.	3.9	47
24	Reprint of â€œCharacterization of cyclodextrin containing nanofilters for removal of pharmaceutical residuesâ€” <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 124-128.	1.4	4
25	Exposure to PM2.5 in modern office buildings through elemental characterization and oxidative potential. <i>Atmospheric Environment</i> , 2014, 94, 44-52.	1.9	40
26	Monitoring of four dipyrone metabolites in communal wastewater by solid phase extraction liquid chromatography electrospray ionization quadrupole time-of-flight mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 90, 58-63.	1.4	13
27	Characterization of cyclodextrin containing nanofilters for removal of pharmaceutical residues. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 98, 90-93.	1.4	22
28	Chemical characterization of PM2.5 fractions of urban aerosol collected in Budapest and Istanbul. <i>Microchemical Journal</i> , 2013, 107, 86-94.	2.3	45
29	Relationship between arsenic content of food and water applied for food processing. <i>Food and Chemical Toxicology</i> , 2013, 62, 601-608.	1.8	8
30	Chemical characterization of PM10 fractions of urban aerosol. <i>Microchemical Journal</i> , 2011, 98, 1-10.	2.3	44
31	Characterization of Depth-Related Microbial Community Activities in Freshwater Sediment by Combined Method. <i>Geomicrobiology Journal</i> , 2011, 28, 328-334.	1.0	7
32	Toxicity Effect of Pb(II) on Two Different Kinds of Microbes Measured by Microcalorimetry. <i>Chinese Journal of Chemistry</i> , 2009, 27, 551-556.	2.6	2
33	Microcalorimetric measurements of the microbial activities of single- and mixed-species with trivalent iron in soil. <i>Ecotoxicology and Environmental Safety</i> , 2009, 72, 128-135.	2.9	16
34	Chemical and biological characterisation of biofilms formed on different substrata in Tisza river (Hungary). <i>Environmental Pollution</i> , 2006, 144, 626-631.	3.7	44
35	Comprehensive characterisation of atmospheric aerosols in Budapest, Hungary: physicochemical properties of inorganic species. <i>Atmospheric Environment</i> , 2001, 35, 4367-4378.	1.9	85
36	Investigation of element distributions between the symplasm and apoplasm of cucumber plants by TXRF spectrometry. <i>Microchemical Journal</i> , 2000, 67, 257-264.	2.3	7