Gyula Zaray

List of Publications by Year
in descending order

36	791	566801 15	525886 27
papers	citations	h-index	g-index

36	36	36	1174
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comprehensive characterisation of atmospheric aerosols in Budapest, Hungary: physicochemical properties of inorganic species. Atmospheric Environment, 2001, 35, 4367-4378.	1.9	85
2	Formation of chlorination by-products in drinking water treatment plants using breakpoint chlorination. Microchemical Journal, 2019, 149, 104008.	2.3	69
3	Oxidative potential and chemical composition of PM2.5 in office buildings across Europe â€“ The OFFICAIR study. Environment International, 2016, 92-93, 324-333.	4.8	56
4	Changes in chemical composition and oxidative potential of urban PM2.5 between 2010 and 2013 in Hungary. Science of the Total Environment, 2015, 518-519, 534-544.	3.9	47
5	Chemical characterization of PM2.5 fractions of urban aerosol collected in Budapest and Istanbul. Microchemical Journal, 2013, 107, 86-94.	2.3	45
6	Chemical and biological characterisation of biofilms formed on different substrata in Tisza river (Hungary). Environmental Pollution, 2006, 144, 626-631.	3.7	44
7	Chemical characterization of PM10 fractions of urban aerosol. Microchemical Journal, 2011, 98, 1-10.	2.3	44
8	Occurrence of antimony and phthalate esters in polyethylene terephthalate bottled drinking water. Applied Spectroscopy Reviews, 2016, 51, 183-209.	3.4	42
9	Exposure to PM2.5 in modern office buildings through elemental characterization and oxidative potential. Atmospheric Environment, 2014, 94, 44-52.	1.9	40
10	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. Microchemical Journal, 2019, 148, 108-119.	2.3	31
11	Determination of particulate phase polycyclic aromatic hydrocarbons and their nitrated and oxygenated derivatives using gas chromatographyâ€“mass spectrometry and liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2016, 1472, 88-98.	1.8	26
12	Biofortification of green bean (Phaseolus vulgaris L.) and lettuce (Lactuca sativa L.) with iodine in a plant-calcareous sandy soil system irrigated with water containing KI. Journal of Food Composition and Analysis, 2020, 88, 103434.	1.9	25
13	Characterization of cyclodextrin containing nanofilters for removal of pharmaceutical residues. Journal of Pharmaceutical and Biomedical Analysis, 2014, 98, 90-93.	1.4	22
14	Application of (V)UV/O3 technology for post-treatment of biologically treated wastewater: A pilot-scale study. Chemosphere, 2021, 275, 130080.	4.2	21
15	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. Microchemical Journal, 2019, 148, 480-492.	2.3	20
16	Microcalorimetric measurements of the microbial activities of single- and mixed-species with trivalent iron in soil. Ecotoxicology and Environmental Safety, 2009, 72, 128-135.	2.9	16
17	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. Environmental Research, 2021, 197, 111098.	3.7	14
18	Monitoring of four dipyrone metabolites in communal wastewater by solid phase extraction liquid chromatography electrospray ionization quadrupole time-of-flight mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 90, 58-63.	1.4	13

#	ARTICLE	IF	CITATIONS
19	Effect of Irrigation Water Containing Iodine on Plant Physiological Processes and Elemental Concentrations of Cabbage (Brassica oleracea L. var. capitata L.) and Tomato (Solanum lycopersicum) Tj ETQq1 1 0.784314 rgBT /Over	1.7	14
20	Biofortification of Potato and Carrot With Iodine by Applying Different Soils and Irrigation With Iodine-Containing Water. Frontiers in Plant Science, 2020, 11, 593047.	1.7	13
21	Microchemical characterization of biogeochemical samples collected from the Buda Thermal Karst System, Hungary. Microchemical Journal, 2016, 124, 116-120.	2.3	12
22	Determination of low-level arsenic, lead, cadmium and mercury concentration in breast milk of Hungarian women. International Journal of Environmental Analytical Chemistry, 2020, 100, 549-566.	1.8	12
23	Comparative study of ferrate and thermally activated persulfate treatments for removal of mono- and dichlorobenzenes from groundwater. Microchemical Journal, 2018, 136, 61-66.	2.3	10
24	Optimization of Lignite Particle Size for Stabilization of Trivalent Chromium in Soils. Soil and Sediment Contamination, 2020, 29, 272-291.	1.1	10
25	Effect of irrigation water containing arsenic on elemental composition of bean and lettuce plants cultivated in calcareous sandy soil. Food Production Processing and Nutrition, 2019, 1, .	1.1	9
26	Relationship between arsenic content of food and water applied for food processing. Food and Chemical Toxicology, 2013, 62, 601-608.	1.8	8
27	Investigation of element distributions between the symplasm and apoplasm of cucumber plants by TXRF spectrometry. Microchemical Journal, 2000, 67, 257-264.	2.3	7
28	Characterization of Depth-Related Microbial Community Activities in Freshwater Sediment by Combined Method. Geomicrobiology Journal, 2011, 28, 328-334.	1.0	7
29	Enhanced photolytic and photooxidative treatments for removal of selected pharmaceutical ingredients and their degradation products in water matrices. Microchemical Journal, 2019, 150, 104136.	2.3	7
30	UV and (V)UV irradiation of sitagliptin in ultrapure water and WWTP effluent: Kinetics, transformation products and degradation pathway. Chemosphere, 2022, 288, 132393.	4.2	6
31	(V)UV degradation of the antibiotic tetracycline: Kinetics, transformation products and pathway. Chemical Engineering Research and Design, 2022, 163, 395-404.	2.7	6
32	Reprint of â€œCharacterization of cyclodextrin containing nanofilters for removal of pharmaceutical residuesâ€• Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 124-128.	1.4	4
33	Comparison of Disinfection By-Product Formation and Distribution during Breakpoint Chlorination and Chlorine-Based Disinfection in Drinking Water. Water (Switzerland), 2022, 14, 1372.	1.2	3
34	Toxicity Effect of Pb(II) on Two Different Kinds of Microbes Measured by Microcalorimetry. Chinese Journal of Chemistry, 2009, 27, 551-556.	2.6	2
35	Laboratory scale study for remediation of polluted groundwater by ferrate treatment. Microchemical Journal, 2017, 133, 231-236.	2.3	1
36	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. Journal of Water and Health, 2022, 20, 92-102.	1.1	1