

# Janez Scancar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6232473/publications.pdf>

Version: 2024-02-01

157  
papers

4,225  
citations

134610

34  
h-index

175968

55  
g-index

160  
all docs

160  
docs citations

160  
times ranked

5933  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differences in Metal Ions Released from Orthodontic Appliances in an In Vitro and In Vivo Setting. <i>Coatings</i> , 2022, 12, 190.	1.2	8
2	The use of enriched stable isotopic tracers of $^{50}\text{Cr(VI)}$ and $^{53}\text{Cr(III)}$ in a study of Cr speciation in wine and beer. <i>Journal of Food Composition and Analysis</i> , 2022, 108, 104422.	1.9	5
3	Causation of Oxidative Stress and Defense Response of a Yeast Cell Model after Treatment with Orthodontic Alloys Consisting of Metal Ions. <i>Antioxidants</i> , 2022, 11, 63.	2.2	6
4	Following the Occurrence and Origin of Titanium Dioxide Nanoparticles in the Sava River by Single Particle ICP-MS. <i>Water (Switzerland)</i> , 2022, 14, 959.	1.2	8
5	Electrochemical routes for environmentally friendly recycling of rare-earth-based (Sm-Co) permanent magnets. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 1081-1090.	1.5	4
6	Transport of Potentially Toxic Elements in Solid Particulate Matter during Flash Flood Events in Upper and Lower Stretch of the Sava River. <i>Water (Switzerland)</i> , 2022, 14, 1213.	1.2	2
7	Speciation and Bio-Imaging of Chromium in <i>Taraxacum officinale</i> Using HPLC Post-column ID-ICP-MS, High Resolution MS and Laser Ablation ICP-MS Techniques. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	5
8	Speciation of copper in human serum using conjoint liquid chromatography on short-bed monolithic disks with UV and post column ID-ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1675-1686.	1.6	4
9	PD1 blockade potentiates the therapeutic efficacy of photothermally-activated and MRI-guided low temperature-sensitive magnetoliposomes. <i>Journal of Controlled Release</i> , 2021, 332, 419-433.	4.8	11
10	High spatial resolution imaging of cisplatin and Texas Red cisplatin in tumour spheroids using laser ablation isotope dilution inductively coupled plasma mass spectrometry and confocal fluorescence microscopy. <i>Analytica Chimica Acta</i> , 2021, 1162, 338424.	2.6	12
11	Electroporation with nanosecond pulses and bleomycin or cisplatin results in efficient cell kill and low metal release from electrodes. <i>Bioelectrochemistry</i> , 2021, 140, 107798.	2.4	33
12	Revealing the effects of cerium dioxide nanoparticles through the analysis of morphological changes in <i>Chironomus riparius</i> . <i>Science of the Total Environment</i> , 2021, 786, 147439.	3.9	2
13	Environmental Impacts and Immobilization Mechanisms of Cadmium, Lead and Zinc in Geotechnical Composites Made from Contaminated Soil and Paper-Ash. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11822.	1.3	4
14	Monolithic chromatography on conjoint liquid chromatography columns for speciation of platinum-based chemotherapeutics in serum of cancer patients. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 57, 28-39.	1.5	6
15	A Multiparametric Approach to Cerium Oxide Nanoparticle Toxicity Assessment in Non-Biting Midges. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 131-140.	2.2	6
16	Remediation of contaminated soil by red mud and paper ash. <i>Journal of Cleaner Production</i> , 2020, 256, 120440.	4.6	41
17	Study of interferences and procedures for their removal in the spectrophotometric determination of ammonium and selected anions in coloured wastewater samples. <i>Analytical Methods</i> , 2020, 12, 4769-4782.	1.3	3
18	Kinetics of interaction of $\text{Cr(VI)}$ and $\text{Cr(III)}$ with serum constituents and detection of Cr species in human serum at physiological concentration levels. <i>Talanta</i> , 2020, 218, 121199.	2.9	8

#	ARTICLE	IF	CITATIONS
19	Effect of interphase and interpulse delay in high-frequency irreversible electroporation pulses on cell survival, membrane permeabilization and electrode material release. <i>Bioelectrochemistry</i> , 2020, 134, 107523.	2.4	30
20	Binding Kinetics of Ruthenium Pyridone Chemotherapeutic Candidates to Human Serum Proteins Studied by HPLC-ICP-MS. <i>Molecules</i> , 2020, 25, 1512.	1.7	6
21	Cr speciation in foodstuffs, biological and environmental samples: Methodological approaches and analytical challenges – A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115888.	5.8	38
22	A facile method for the simultaneous recovery of rare-earth elements and transition metals from Nd-Fe-B magnets. <i>Green Chemistry</i> , 2020, 22, 1105-1112.	4.6	26
23	Environmental Impacts of Mixed Aggregates for use in Unbound Layers in Road Construction. <i>Materials and Geoenvironment</i> , 2020, 67, 3-11.	0.4	0
24	Potentially toxic elements in water, sediments and fish of the Evrotas River under variable water discharges. <i>Science of the Total Environment</i> , 2019, 648, 1087-1096.	3.9	12
25	Sedimentological and geochemical characterization of river suspended particulate matter (SPM) sampled by time-integrated mass flux sampler (TIMS) in the Sava River (Croatia). <i>Journal of Soils and Sediments</i> , 2019, 19, 989-1004.	1.5	13
26	Direct Recycling of Nd-Fe-B Magnets Based on the Recovery of Nd <sub>2</sub> Fe <sub>14</sub> B Grains by Acid-free Electrochemical Etching. <i>ChemSusChem</i> , 2019, 12, 4754-4758.	3.6	11
27	Electrochemotherapy of radioresistant head and neck squamous cell carcinoma cells and tumor xenografts. <i>Oncology Reports</i> , 2019, 41, 1658-1668.	1.2	15
28	Potentially toxic elements in muscle tissue of different fish species from the Sava River and risk assessment for consumers. <i>Science of the Total Environment</i> , 2019, 650, 958-969.	3.9	20
29	3D Cultures of Parkinson's Disease-specific Dopaminergic Neurons for High Content Phenotyping and Drug Testing. <i>Advanced Science</i> , 2019, 6, 1800927.	5.6	92
30	Magnetic interactions and <i>in vitro</i> study of biocompatible hydrocaffeic acid-stabilized Fe-Pt clusters as MRI contrast agents. <i>RSC Advances</i> , 2018, 8, 14694-14704.	1.7	9
31	Investigation of the behaviour of zero-valent iron nanoparticles and their interactions with Cd <sup>2+</sup> in wastewater by single particle ICP-MS. <i>Science of the Total Environment</i> , 2018, 634, 1259-1268.	3.9	40
32	Comment on recent article speciation of Cr in bread and breakfast cereals, published in <i>Food Chemistry</i> , (2017) 129, 1839-1843 by Mathebula, M. W., Mandiwana, K., & Panichev, N.. <i>Food Chemistry</i> , 2018, 254, 78-79.	4.2	3
33	Comparable effectiveness and immunomodulatory actions of oxaliplatin and cisplatin in electrochemotherapy of murine melanoma. <i>Bioelectrochemistry</i> , 2018, 119, 161-171.	2.4	36
34	Hybrid FePt/SiO <sub>2</sub> /Au nanoparticles as a theranostic tool: <i>in vitro</i> photo-thermal treatment and MRI imaging. <i>Nanoscale</i> , 2018, 10, 1308-1321.	2.8	20
35	Potentially toxic elements in the riparian soils of the Sava River. <i>Journal of Soils and Sediments</i> , 2018, 18, 3404-3414.	1.5	20
36	Connecting the <i>in vitro</i> and <i>in vivo</i> experiments in electrochemotherapy - a feasibility study modeling cisplatin transport in mouse melanoma using the dual-porosity model. <i>Journal of Controlled Release</i> , 2018, 286, 33-45.	4.8	18

#	ARTICLE	IF	CITATIONS
37	Determination of polybrominated diphenyl ethers in human serum by gas chromatography- <sup>63</sup> Ni inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1572, 112-118.	1.8	9
38	Electrochemotherapy with cisplatin or bleomycin in head and neck squamous cell carcinoma: Improved effectiveness of cisplatin in HPV-positive tumors. <i>Bioelectrochemistry</i> , 2018, 123, 248-254.	2.4	16
39	Determination of hexavalent Cr in river sediments by speciated isotope dilution inductively coupled plasma mass spectrometry. <i>Science of the Total Environment</i> , 2018, 637-638, 1286-1294.	3.9	42
40	Critical evaluation of the use of different nanoscale zero-valent iron particles for the treatment of effluent water from a small biological wastewater treatment plant. <i>Chemical Engineering Journal</i> , 2017, 321, 20-30.	6.6	54
41	Sizing and simultaneous quantification of nanoscale titanium dioxide and a dissolved titanium form by single particle inductively coupled plasma mass spectrometry. <i>Microchemical Journal</i> , 2017, 132, 391-400.	2.3	39
42	Nickel speciation in cocoa infusions using monolithic chromatography- <sup>63</sup> Ni Post-column ID-ICP-MS and Q-TOF-MS. <i>Food Chemistry</i> , 2017, 230, 327-335.	4.2	21
43	Characterisation of food contact non-stick coatings containing TiO <sub>2</sub> nanoparticles and study of their possible release into food. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 421-433.	1.1	30
44	<i>In vitro</i> and <i>in vivo</i> evaluation of electrochemotherapy with <i>trans</i> -platinum analogue <i>trans</i> -[PtCl <sub>2</sub> (3-Hmpy) <sub>2</sub> ]. <i>Radiology and Oncology</i> , 2017, 51, 295-306.	0.6	9
45	Development of an analytical method for the determination of polybrominated diphenyl ethers in mussels and fish by gas chromatography- <sup>63</sup> Ni inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1524, 179-187.	1.8	12
46	Simultaneous speciation of chromate, arsenate, molybdate and vanadate in alkaline samples by HPLC-ICP-MS at different concentration levels of vanadate. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2200-2209.	1.6	11
47	Potentially toxic elements in water and sediments of the Sava River under extreme flow events. <i>Science of the Total Environment</i> , 2017, 605-606, 894-905.	3.9	47
48	Long-term environmental impacts of building composites containing waste materials: Evaluation of the leaching protocols. <i>Waste Management</i> , 2017, 59, 340-349.	3.7	12
49	Elements in water, suspended particulate matter and sediments of the Sava River. <i>Journal of Soils and Sediments</i> , 2017, 17, 1917-1927.	1.5	41
50	Electrochemotherapy by pulsed electromagnetic field treatment (PEMF) in mouse melanoma B16F10 <i>in vivo</i> . <i>Radiology and Oncology</i> , 2016, 50, 39-48.	0.6	48
51	Cytotoxic and genotoxic potential of Cr(VI), Cr(III)-nitrate and Cr(III)-EDTA complex in human hepatoma (HepG2) cells. <i>Chemosphere</i> , 2016, 154, 124-131.	4.2	50
52	Cytotoxic <i>trans</i> -platinum(II) complex with 3-hydroxymethylpyridine: Synthesis, X-ray structure and biological activity evaluation. <i>Journal of Inorganic Biochemistry</i> , 2016, 161, 40-51.	1.5	6
53	Chemical characterisation of dredged sediments in relation to their potential use in civil engineering. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 234.	1.3	8
54	Magnetic field contributes to the cellular uptake for effective therapy with magnetofection using plasmid DNA encoding against <i>Mcam</i> in B16F10 melanoma <i>in vivo</i> . <i>Nanomedicine</i> , 2016, 11, 627-641.	1.7	20

#	ARTICLE	IF	CITATIONS
55	Diversity of TiO <sub>2</sub> nanopowdersâ€™ characteristics relevant to toxicity testing. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	6
56	Towards tributyltin quantification in natural water at the Environmental Quality Standard level required by the Water Framework Directive. <i>Talanta</i> , 2016, 160, 499-511.	2.9	9
57	Monolithic chromatography in speciation analysis of metal-containing biomolecules: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1766-1779.	1.6	8
58	Chemical and toxicological characterisation of anticancer drugs in hospital and municipal wastewaters from Slovenia and Spain. <i>Environmental Pollution</i> , 2016, 219, 275-287.	3.7	125
59	Toxicity of the mixture of selected antineoplastic drugs against aquatic primary producers. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14780-14790.	2.7	40
60	Optimization of the procedure for efficient dispersion of titanium dioxide nanoparticles in aqueous samples. <i>Analytical Methods</i> , 2016, 8, 1194-1201.	1.3	21
61	Development of an analytical method for the determination of polybrominated diphenyl ethers in sewage sludge by the use of gas chromatography coupled to inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2016, 915, 27-35.	2.6	22
62	The fate of iron nanoparticles in environmental waters treated with nanoscale zero-valent iron, FeONPs and Fe <sub>3</sub> O <sub>4</sub> NPs. <i>Water Research</i> , 2016, 94, 315-327.	5.3	32
63	First inter-laboratory comparison exercise for the determination of anticancer drugs in aqueous samples. <i>Environmental Science and Pollution Research</i> , 2016, 23, 14692-14704.	2.7	8
64	Speciation of cisplatin in environmental water samples by hydrophilic interaction liquid chromatography coupled to inductively coupled plasma mass spectrometry. <i>Talanta</i> , 2015, 138, 1-7.	2.9	30
65	Recycling of ladle slag in cement composites: Environmental impacts. <i>Waste Management</i> , 2015, 43, 376-385.	3.7	46
66	Content of trace elements and chromium speciation in Neem powder and tea infusions. <i>Journal of Trace Elements in Medicine and Biology</i> , 2015, 31, 98-106.	1.5	39
67	Yeast <i>Saccharomyces cerevisiae</i> adiponectin receptor homolog Izh2 is involved in the regulation of zinc, phospholipid and pH homeostasis. <i>Metallomics</i> , 2015, 7, 1338-1351.	1.0	8
68	Simultaneous speciation analysis of chromate, molybdate, tungstate and vanadate in welding fume alkaline extracts by HPLCâ€“ICP-MS. <i>Talanta</i> , 2015, 142, 164-169.	2.9	21
69	Adsorption and degradation processes of tributyltin and trimethyltin in landfill leachates treated with iron nanoparticles. <i>Environmental Research</i> , 2015, 142, 511-521.	3.7	10
70	Adjuvant TNF-Î± therapy to electrochemotherapy with intravenous cisplatin in murine sarcoma exerts synergistic antitumor effectiveness. <i>Radiology and Oncology</i> , 2015, 49, 32-40.	0.6	24
71	The use of isotopically enriched tin tracers to follow the transformation of organotin compounds in landfill leachate. <i>Water Research</i> , 2014, 53, 297-309.	5.3	13
72	A critical overview of Cr speciation analysis based on high performance liquid chromatography and spectrometric techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 427-443.	1.6	87

#	ARTICLE	IF	CITATIONS
73	Development of an analytical procedure for the determination of polybrominated diphenyl ethers in environmental water samples by GC-ICP-MS. <i>Analytica Chimica Acta</i> , 2014, 827, 64-73.	2.6	23
74	New method for the speciation of ruthenium-based chemotherapeutics in human serum by conjoint liquid chromatography on affinity and anion-exchange monolithic disks. <i>Journal of Chromatography A</i> , 2014, 1371, 168-176.	1.8	19
75	Inhibition of the nitrification process in activated sludge by trivalent and hexavalent chromium, and partitioning of hexavalent chromium between sludge compartments. <i>Chemosphere</i> , 2014, 105, 87-94.	4.2	26
76	Modulation of Activity of Known Cytotoxic Ruthenium(III) Compound (KP418) with Hampered Transmembrane Transport in Electrochemotherapy In Vitro and In Vivo. <i>Journal of Membrane Biology</i> , 2014, 247, 1239-1251.	1.0	12
77	Nanoscale zero-valent iron for the removal of Zn <sup>2+</sup> , Zn(II)-EDTA and Zn(II)-citrate from aqueous solutions. <i>Science of the Total Environment</i> , 2014, 476-477, 20-28.	3.9	44
78	The micro-scale synthesis of <sup>117</sup> Sn-enriched tributyltin chloride and its characterization by GC-ICP-MS and NMR techniques. <i>Chemosphere</i> , 2014, 107, 386-392.	4.2	4
79	Ni speciation in tea infusions by monolithic chromatography-ICP-MS and Q-TOF-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2041-2051.	1.9	25
80	Chromate in food samples: an artefact of wrongly applied analytical methodology?. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 558.	1.6	36
81	A novel method for speciation of Pt in human serum incubated with cisplatin, oxaliplatin and carboplatin by conjoint liquid chromatography on monolithic disks with UV and ICP-MS detection. <i>Talanta</i> , 2013, 116, 141-148.	2.9	50
82	Study of nickel content in Ni-rich food products in Slovenia. <i>Journal of Food Composition and Analysis</i> , 2013, 32, 83-89.	1.9	25
83	The use of stable isotopes for Cr(VI) determination in silty-clay soil solution. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7231-7240.	1.9	19
84	Suspended particulate matter and water quality of the Sava River Basin. <i>River Systems</i> , 2013, 20, 197-211.	0.2	3
85	Aluminum Speciation in Human Serum. , 2013, , 39-47.		1
86	Preparation of a sewage sludge laboratory quality control material for butyltin compounds and their determination by isotope-dilution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 857-865.	1.9	9
87	Effective reduction of polyatomic interferences produced by high chloride and carbon concentrations in determination of Cr( <sup>vi</sup> ) by FPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 488-495.	1.6	24
88	The use of CIM-DEAE monolithic chromatography coupled to ICP-MS to study the distribution of cisplatin in human serum. <i>Analytical Methods</i> , 2012, 4, 780.	1.3	15
89	The determination of Cr(vi) in corrosion protection coatings by speciated isotope dilution ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1484.	1.6	26
90	Preparation of Cr(VI) and Cr(III) isotopic spike solutions from <sup>50</sup> Cr and <sup>53</sup> Cr enriched oxides without the use of oxidizing and/or reducing agents. <i>Talanta</i> , 2012, 99, 83-90.	2.9	22

#	ARTICLE	IF	CITATIONS
91	Determination of Zn-citrate in human milk by CIM monolithic chromatography with atomic and mass spectrometry detection. <i>Talanta</i> , 2012, 101, 203-210.	2.9	17
92	Cd, Cu, Zn, Se, and Metallothioneins in Two Amphibians, <i>Necturus maculosus</i> (Amphibia, Caudata) and <i>Bufo bufo</i> (Amphibia, Anura). <i>Biological Trace Element Research</i> , 2012, 150, 178-194.	1.9	14
93	Effects of a Copper-Deficient Diet on the Biochemistry, Neural Morphology and Behavior of Aged Mice. <i>PLoS ONE</i> , 2012, 7, e47063.	1.1	9
94	Surface modified magnetic nanoparticles for immuno-gene therapy of murine mammary adenocarcinoma. <i>Biomaterials</i> , 2012, 33, 4379-4391.	5.7	101
95	Organotin compounds in seawater and <i>Mytilus galloprovincialis</i> mussels along the Croatian Adriatic Coast. <i>Marine Pollution Bulletin</i> , 2012, 64, 189-199.	2.3	77
96	Environmental impact of toxic elements in red mud studied by fractionation and speciation procedures. <i>Science of the Total Environment</i> , 2012, 426, 359-365.	3.9	85
97	Rapid fractionation of Al in human serum by the use of HiTrap desalting size exclusion column with ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 86-93.	1.6	14
98	Beta-amyloid toxicity increases with hydrophobicity in the presence of metal ions. <i>Monatshefte für Chemie</i> , 2011, 142, 421-430.	0.9	10
99	Development of analytical procedure for the determination of methyltin, butyltin, phenyltin and octyltin compounds in landfill leachates by gas chromatography-inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 694, 21-30.	2.6	34
100	Rapid and sensitive analytical method for monitoring of 12 organotin compounds in natural waters. <i>Acta Chimica Slovenica</i> , 2011, 58, 185-94.	0.2	7
101	Electrochemotherapy of Mouse Sarcoma Tumors Using Electric Pulse Trains with Repetition Frequencies of 1ÅHz and 5ÅkHz. <i>Journal of Membrane Biology</i> , 2010, 236, 155-162.	1.0	31
102	Increased Cellular Uptake of Biocompatible Superparamagnetic Iron Oxide Nanoparticles into Malignant Cells by an External Magnetic Field. <i>Journal of Membrane Biology</i> , 2010, 236, 167-179.	1.0	120
103	A complex investigation of the extent of pollution in sediments of the Sava River. Part 1: Selected elements. <i>Environmental Monitoring and Assessment</i> , 2010, 163, 263-275.	1.3	45
104	A complex investigation of the extent of pollution in sediments of the Sava River: part 2: persistent organic pollutants. <i>Environmental Monitoring and Assessment</i> , 2010, 163, 277-293.	1.3	26
105	Determination of macronutrients and some essential elements in the slovene military diet. <i>Food Chemistry</i> , 2010, 122, 1235-1240.	4.2	7
106	Determination of Cd, Pb and As in sediments of the Sava river by electrothermal atomic absorption spectrometry. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 113-128.	0.4	9
107	Development of the extraction method for the simultaneous determination of butyl-, phenyl- and octyltin compounds in sewage sludge. <i>Talanta</i> , 2010, 80, 1945-1951.	2.9	23
108	Sarib. , 2010, , 389-428.		0

#	ARTICLE	IF	CITATIONS
109	The influence of electroporation on cytotoxicity of anticancer ruthenium(III) complex KP1339 in vitro and in vivo. <i>Anticancer Research</i> , 2010, 30, 2055-63.	0.5	14
110	Applications of methacrylate-based monolithic supports for speciation analysis. <i>Journal of Separation Science</i> , 2009, 32, 2495-2503.	1.3	4
111	A Survey of Organotin Compounds in the Northern Adriatic Sea. <i>Water, Air, and Soil Pollution</i> , 2009, 196, 211-224.	1.1	26
112	Monolithic chromatography for elemental and speciation analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 1048-1056.	5.8	13
113	The use of EAF dust in cement composites: Assessment of environmental impact. <i>Journal of Hazardous Materials</i> , 2009, 166, 277-283.	6.5	30
114	Problems and progresses in speciation of Al in human serum: An overview. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1504-1513.	1.5	22
115	Convective Interaction Media Monolithic Chromatography with ICPMS and Ultraperformance Liquid Chromatography- Electro spray Ionization MS Detection: A Powerful Tool for Speciation of Aluminum in Human Serum at Normal Concentration Levels. <i>Analytical Chemistry</i> , 2009, 81, 4929-4936.	3.2	21
116	Continuous 60-year stable isotopic and earth-alkali element records in a modern laminated tufa (Jaruga, river Krka, Croatia): Implications for climate reconstruction. <i>Chemical Geology</i> , 2009, 258, 242-250.	1.4	52
117	Challenges Associated with Metal Chelation Therapy in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 457-468.	1.2	139
118	Application of X-ray fluorescence analytical techniques in phytoremediation and plant biology studies. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1240-1247.	1.5	128
119	Comprehensive study of the parameters influencing the detection of organotin compounds by a pulsed flame photometric detector in sewage sludge. <i>Journal of Chromatography A</i> , 2008, 1188, 281-285.	1.8	15
120	Leachability of Cr(VI) and other metals from asphalt composites with addition of filter dust. <i>Waste Management</i> , 2008, 28, 2667-2674.	3.7	15
121	Potential pathogenic role of $\beta$ -amyloid $\beta$ 42-aluminum complex in Alzheimer's disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 731-746.	1.2	79
122	Critical evaluation of various extraction procedures for the speciation of butyltin compounds in sediments. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 615-625.	1.8	15
123	Induced cross-protection responses against Cr(III) and Fe(III) ions in <i>Saccharomyces cerevisiae</i> . <i>Journal of Basic Microbiology</i> , 2007, 47, 301-308.	1.8	4
124	Speciation of Al in human serum by convective-interaction media fast-monolithic chromatography with inductively coupled plasma mass spectrometric detection. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 1234-1241.	1.5	32
125	Development of Analytical Procedure for the Determination of Exchangeable Cr(VI) in Soils by Anion-exchange Fast Protein Liquid Chromatography with Electrothermal Atomic Absorption Spectrometry Detection. <i>Water, Air, and Soil Pollution</i> , 2007, 185, 121-129.	1.1	13
126	Organotin Compounds and Selected Metals in the Marine Environment of Northern Adriatic Sea. <i>Environmental Monitoring and Assessment</i> , 2007, 127, 271-282.	1.3	72



#	ARTICLE	IF	CITATIONS
127	Metal binding of metallothioneins in human astrocytomas (U87 MG, IPDDC-2A). <i>BioMetals</i> , 2007, 20, 781-792.	1.8	5
128	Influence of the soil matrices on the analytical performance of headspace solid-phase microextraction for organotin analysis by gas chromatography-pulsed flame photometric detection. <i>Journal of Chromatography A</i> , 2006, 1132, 234-240.	1.8	24
129	Critical evaluation of the use of the hydroxyapatite as a stabilizing agent to reduce the mobility of Zn and Ni in sewage sludge amended soils. <i>Waste Management</i> , 2006, 26, 1392-1399.	3.7	14
130	Aluminium speciation in environmental samples: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 999-1012.	1.9	90
131	Metallothionein-like Proteins and Zinc-Copper Interaction in the Hindgut of <i>Porcellio scaber</i> (Crustacea: Isopoda) Exposed to Zinc. <i>Biological Trace Element Research</i> , 2005, 106, 253-264.	1.9	14
132	Determination of hexavalent chromium in cement by the use of HPLC-ICP-MS, FPLC-ETAAS, spectrophotometry and selective extraction techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 871.	1.6	21
133	The effect of chronic aluminum(III) administration on the nervous system of aged rats: Clues to understand its suggested role in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2004, 5, 437-444.	1.2	17
134	Comparison of Various Phosphate Stabilisation Agents for the Immobilisation of Ni and Zn in Sewage Sludge. <i>Water, Air, and Soil Pollution</i> , 2004, 156, 57-69.	1.1	16
135	Determination of aluminium in Slovenian foodstuffs and its leachability from aluminium-cookware. <i>Food Chemistry</i> , 2004, 85, 151-157.	4.2	50
136	Determination of high molecular mass Al species in serum and spent CAPD fluids of dialysis patients combining SEC and anion-exchange FPLC with ETAAS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 101-106.	1.6	20
137	Simultaneous Sample Preparation and Species-Specific Isotope Dilution Mass Spectrometry Analysis of Methylmercury and Tributyltin in a Certified Oyster Tissue. <i>Analytical Chemistry</i> , 2003, 75, 4095-4102.	3.2	77
138	Total metal concentrations in serum of dialysis patients and fractionation of Cu, Rb, Al, Fe and Zn in spent continuous ambulatory peritoneal dialysis fluids. <i>Talanta</i> , 2003, 59, 355-364.	2.9	11
139	Hepatic metallothioneins in two neotenic salamanders, <i>Proteus anguinus</i> and <i>Necturus maculosus</i> (Amphibia, Caudata). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2003, 135, 285-294.	1.3	3
140	Safe Disposal of Chromium-Rich Waste Materials. <i>Critical Reviews in Analytical Chemistry</i> , 2003, 33, 69-75.	1.8	5
141	Heavy metals in the sediment of Sava River, Slovenia. <i>Geologija</i> , 2003, 46, 263-272.	0.1	10
142	Electroporation of LPB sarcoma cells in vitro and tumors in vivo increases the radiosensitizing effect of cisplatin. <i>Anticancer Research</i> , 2003, 23, 275-81.	0.5	17
143	Schedule-Dependent Interaction between Vinblastine and Cisplatin in Ehrlich Ascites Tumors in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 337-343.	1.3	3
144	A novel approach for speciation of airborne chromium by convective-interaction media fast-monolithic chromatography with electrothermal atomic-absorption spectrometric detection. <i>Analyst</i> , 2002, 127, 629-633.	1.7	31

#	ARTICLE	IF	CITATIONS
145	DNA damage and metallothionein synthesis in human hepatoma cells (HepG2) exposed to cadmium. <i>Food and Chemical Toxicology</i> , 2002, 40, 1069-1076.	1.8	52
146	Determination of Cr(VI) in welding fumes by anion-exchange fast protein liquid chromatography with electrothermal atomic absorption spectrometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 549-553.	1.9	13
147	Environmentally safe sewage sludge disposal: The impact of liming on the behaviour of Cd, Cr, Cu, Fe, Mn, Ni, Pb, and Zn. <i>Journal of Environmental Monitoring</i> , 2001, 3, 226-231.	2.1	28
148	Operation of a proficiency testing scheme of trace elements in sewage sludge with reference values. <i>Accreditation and Quality Assurance</i> , 2001, 6, 264-268.	0.4	7
149	Water and acetic acid leachable Cd, Cr, Cu, Fe, Ni, Pb and Zn in lime-treated sewage sludge. <i>Annali Di Chimica</i> , 2001, 91, 375-9.	0.6	4
150	Use of nitric acid in sample pretreatment for determination of trace elements in various biological samples by ETAAS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 22, 993-1002.	1.4	17
151	Effect of Arsenic Trioxide on Metallothionein and Its Conversion to Different Arsenic Metabolites in Hen Liver. <i>Biological Trace Element Research</i> , 2000, 78, 241-254.	1.9	21
152	Determination of trace elements and calcium in bone of the human iliac crest by atomic absorption spectrometry. <i>Clinica Chimica Acta</i> , 2000, 293, 187-197.	0.5	29
153	Total metal concentrations and partitioning of Cd, Cr, Cu, Fe, Ni and Zn in sewage sludge. <i>Science of the Total Environment</i> , 2000, 250, 9-19.	3.9	207
154	Determination of hexavalent chromium in lime-treated sewage sludge by anion-exchange fast protein liquid chromatography with electrothermal atomic absorption spectrometry detection. <i>Analyst</i> , The, 2000, 125, 1938-1942.	1.7	27
155	Optimisation of parameters for determination of rubidium in spent CAPD fluids by flame and electrothermal atomic absorption spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 21, 423-428.	1.4	3
156	Increased platinum accumulation in SA-1 tumour cells after in vivo electrochemotherapy with cisplatin. <i>British Journal of Cancer</i> , 1999, 79, 1386-1391.	2.9	68
157	Problems related to determination of trace elements in spent continuous ambulatory peritoneal dialysis fluids by electrothermal atomic absorption spectrometry. <i>Clinica Chimica Acta</i> , 1999, 283, 139-150.	0.5	6