

# Janja Vidmar

## List of Publications by Year in descending order

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38  
papers

921  
citations

361413

20  
h-index

477307

29  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle bound pollutants in rivers: Results from suspended sediment sampling in Globaqua River Basins. <i>Science of the Total Environment</i> , 2019, 647, 645-652.	8.0	77
2	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.	12.7	54
3	Dissolution Mechanism of Upconverting $\text{AYF}_{4-x}\text{Yb}_x\text{Tm}$ (A = Na or K) Nanoparticles in Aqueous Media. <i>Langmuir</i> , 2016, 32, 8222-8229.	3.5	49
4	Translocation of silver nanoparticles in the <i>ex vivo</i> human placenta perfusion model characterized by single particle ICP-MS. <i>Nanoscale</i> , 2018, 10, 11980-11991.	5.6	49
5	Particle size analysis of pristine food-grade titanium dioxide and E 171 in confectionery products: Interlaboratory testing of a single-particle inductively coupled plasma mass spectrometry screening method and confirmation with transmission electron microscopy. <i>Food Control</i> , 2021, 120, 107550.	5.5	48
6	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.	8.0	47
7	Elements in water, suspended particulate matter and sediments of the Sava River. <i>Journal of Soils and Sediments</i> , 2017, 17, 1917-1927.	3.0	41
8	Comparison of the suitability of alkaline or enzymatic sample pre-treatment for characterization of silver nanoparticles in human tissue by single particle ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 752-761.	3.0	41
9	Investigation of the behaviour of zero-valent iron nanoparticles and their interactions with $\text{Cd}^{2+}$ in wastewater by single particle ICP-MS. <i>Science of the Total Environment</i> , 2018, 634, 1259-1268.	8.0	40
10	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.	4.5	39
11	Occurrence of C60 and related fullerenes in the Sava River under different hydrologic conditions. <i>Science of the Total Environment</i> , 2018, 643, 1108-1116.	8.0	31
12	The presence of iron oxide nanoparticles in the food pigment E172. <i>Food Chemistry</i> , 2020, 327, 127000.	8.2	31
13	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.	5.5	30
14	Characterisation of food contact non-stick coatings containing $\text{TiO}_2$ 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.	2.3	30
15	Magneto-Liposomes as MRI Contrast Agents: A Systematic Study of Different Liposomal Formulations. <i>Nanomaterials</i> , 2020, 10, 889.	4.1	28
16	Evaluation of Genotoxic Pressure along the Sava River. <i>PLoS ONE</i> , 2016, 11, e0162450.	2.5	25
17	Optimization of the procedure for efficient dispersion of titanium dioxide nanoparticles in aqueous samples. <i>Analytical Methods</i> , 2016, 8, 1194-1201.	2.7	21
18	An environmentally relevant concentration of titanium dioxide ( $\text{TiO}_2$ ) nanoparticles induces morphological changes in the mouthparts of <i>Chironomus tentans</i> . <i>Chemosphere</i> , 2018, 211, 489-499.	8.2	21

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19	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.	5.6	20
20	Potentially toxic elements in the riparian soils of the Sava River. <i>Journal of Soils and Sediments</i> , 2018, 18, 3404-3414.	3.0	20
21	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.	8.0	20
22	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.	3.7	19
23	pH and metal concentration of synovial fluid of osteoarthritic joints and joints with metal replacements. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 2507-2515.	3.4	19
24	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.	9.9	18
25	Titanium dioxide nanoparticles in food: comparison of detection by triple-quadrupole and high-resolution ICP-MS in single-particle mode. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	1.9	16
26	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.	8.0	12
27	Magnetic interactions and <i>in vitro</i> study of biocompatible hydrocaffeic acid-stabilized Fe <sup>3+</sup> Pt clusters as MRI contrast agents. <i>RSC Advances</i> , 2018, 8, 14694-14704.	3.6	9
28	Monolithic chromatography in speciation analysis of metal-containing biomolecules: a review. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1766-1779.	3.0	8
29	Inhalation of welding fumes reduced sperm counts and high fat diet reduced testosterone levels; differential effects in Sprague Dawley and Brown Norway rats. <i>Particle and Fibre Toxicology</i> , 2020, 17, 2.	6.2	8
30	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.	2.7	8
31	Single-Particle ICP-MS as a Screening Technique for the Presence of Potential Inorganic Nanoparticles in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9979-9990.	5.2	7
32	Spatial and temporal variability and sources of dissolved trace elements in the Sava River (Slovenia). <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 1033-1043.	8.3	7
33	Diversity of TiO <sub>2</sub> nanopowders <sup>TM</sup> characteristics relevant to toxicity testing. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	6
34	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.	3.0	6
35	A Multiparametric Approach to Cerium Oxide Nanoparticle Toxicity Assessment in Non-Biting Midges. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 131-140.	4.3	6
36	Impact of iron oxide nanoparticles on xenobiotic metabolism in HepaRG cells. <i>Archives of Toxicology</i> , 2020, 94, 4023-4035.	4.2	6

#	ARTICLE	IF	CITATIONS
37	Detection and characterization of metal-based nanoparticles in environmental, biological and food samples by single particle inductively coupled plasma mass spectrometry. <i>Comprehensive Analytical Chemistry</i> , 2021, 93, 345-380.	1.3	2
38	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.	2.7	2