

Vera I Slaveykova

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155
papers

4,475
citations

37
h-index

60
g-index

170
ext. papers

5,071
ext. citations

6
avg, IF

6
L-index

#	Paper	IF	Citations
155	Predicting the Bioavailability of Metals and Metal Complexes: Critical Review of the Biotic Ligand Model. <i>Environmental Chemistry</i> , 2005 , 2, 9	3.2	269
154	Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: a comparative review. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 57-71	5.3	247
153	Oxidative stress induced by inorganic nanoparticles in bacteria and aquatic microalgae--state of the art and knowledge gaps. <i>Nanotoxicology</i> , 2014 , 8, 605-30	5.3	220
152	Discriminating between intra- and extracellular metals using chemical extractions. <i>Limnology and Oceanography: Methods</i> , 2004 , 2, 237-247	2.6	128
151	Physicochemical aspects of lead bioaccumulation by <i>Chlorella vulgaris</i> . <i>Environmental Science & Technology</i> , 2002 , 36, 969-75	10.3	128
150	The biouptake and toxicity of arsenic species on the green microalga <i>Chlorella salina</i> in seawater. <i>Aquatic Toxicology</i> , 2008 , 87, 264-71	5.1	109
149	Role of fulvic acid on lead bioaccumulation by <i>Chlorella kesslerii</i> . <i>Environmental Science & Technology</i> , 2003 , 37, 1114-21	10.3	94
148	Exopolysaccharides produced by bacteria isolated from the pelagic Southern Ocean [Role in Fe binding, chemical reactivity, and bioavailability. <i>Marine Chemistry</i> , 2011 , 123, 88-98	3.7	91
147	Some fundamental (and often overlooked) considerations underlying the free ion activity and biotic ligand models. <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 283-91	3.8	88
146	Permanent modification in electrothermal atomic absorption spectrometry [Advances, anticipations and reality. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000 , 55, 473-490	3.1	79
145	Hospital Effluents Are One of Several Sources of Metal, Antibiotic Resistance Genes, and Bacterial Markers Disseminated in Sub-Saharan Urban Rivers. <i>Frontiers in Microbiology</i> , 2016 , 7, 1128	5.7	74
144	Potential of hyperspectral imaging microscopy for semi-quantitative analysis of nanoparticle uptake by protozoa. <i>Environmental Science & Technology</i> , 2014 , 48, 8760-7	10.3	73
143	Interactions between mercury and phytoplankton: speciation, bioavailability, and internal handling. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1211-24	3.8	73
142	Influence of nanoplastic surface charge on eco-corona formation, aggregation and toxicity to freshwater zooplankton. <i>Environmental Pollution</i> , 2019 , 252, 715-722	9.3	70
141	Bioavailability of inorganic nanoparticles to planktonic bacteria and aquatic microalgae in freshwater. <i>Environmental Science: Nano</i> , 2014 , 1, 214	7.1	69
140	Effects of copper-oxide nanoparticles, dissolved copper and ultraviolet radiation on copper bioaccumulation, photosynthesis and oxidative stress in the aquatic macrophyte <i>Elodea nuttallii</i> . <i>Chemosphere</i> , 2015 , 128, 56-61	8.4	66
139	Influence of the composition of natural organic matter on Pb bioavailability to microalgae. <i>Environmental Science & Technology</i> , 2005 , 39, 6109-16	10.3	65

138	Colloidal organic matter from wastewater treatment plant effluents: Characterization and role in metal distribution. <i>Water Research</i> , 2010 , 44, 340-50	12.5	63
137	Comparison of Cd(II), Cu(II), and Pb(II) biouptake by green algae in the presence of humic acid. <i>Environmental Science & Technology</i> , 2007 , 41, 4172-8	10.3	63
136	Characterization of H+ and Cd2+ binding properties of the bacterial exopolysaccharides. <i>Chemosphere</i> , 2006 , 65, 1362-70	8.4	59
135	Permeation liquid membrane as a tool for monitoring bioavailable Pb in natural waters. <i>Science of the Total Environment</i> , 2004 , 328, 55-68	10.2	58
134	Quantifying Pb and Cd complexation by alginates and the role of metal binding on macromolecular aggregation. <i>Biomacromolecules</i> , 2005 , 6, 2756-64	6.9	57
133	Green Synthesis of Metal and Metal Oxide Nanoparticles and Their Effect on the Unicellular Alga <i>Chlamydomonas reinhardtii</i> . <i>Nanoscale Research Letters</i> , 2018 , 13, 159	5	56
132	Cell-wall-dependent effect of carboxyl-CdSe/ZnS quantum dots on lead and copper availability to green microalgae. <i>Environmental Pollution</i> , 2012 , 167, 27-33	9.3	55
131	A Multimethod Approach for Investigating Algal Toxicity of Platinum Nanoparticles. <i>Environmental Science & Technology</i> , 2016 , 50, 10635-10643	10.3	53
130	Degradation of eight relevant micropollutants in different water matrices by neutral photo-Fenton process under UV254 and simulated solar light irradiation I A comparative study. <i>Applied Catalysis B: Environmental</i> , 2014 , 158-159, 30-37	21.8	52
129	Effect of humic acid on Cd(II), Cu(II), and Pb(II) uptake by freshwater algae: kinetic and cell wall speciation considerations. <i>Environmental Science & Technology</i> , 2009 , 43, 730-5	10.3	51
128	Interactive effects of copper oxide nanoparticles and light to green alga <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2016 , 170, 120-128	5.1	50
127	Trace metal speciation and bioavailability in surface waters of the Black Sea coastal area evaluated by HF-PLM and DGT. <i>Environmental Science & Technology</i> , 2009 , 43, 1798-803	10.3	46
126	Biosensor based on chemically-designed anchorable cytochrome c for the detection of H ₂ O ₂ released by aquatic cells. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 385-90	11.8	43
125	Dynamic NanoSIMS ion imaging of unicellular freshwater algae exposed to copper. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 393, 583-9	4.4	43
124	Toward Quantitative Understanding of the Bioavailability of Dissolved Organic Matter in Freshwater Lake during Cyanobacteria Blooming. <i>Environmental Science & Technology</i> , 2017 , 51, 6018-6026	10.3	41
123	Persistent Hg contamination and occurrence of Hg-methylating transcript (hgcA) downstream of a chlor-alkali plant in the Olt River (Romania). <i>Environmental Science and Pollution Research</i> , 2016 , 23, 10529-10541	5.1	41
122	Effect of natural organic matter and green microalga on carboxyl-polyethylene glycol coated CdSe/ZnS quantum dots stability and transformations under freshwater conditions. <i>Environmental Pollution</i> , 2009 , 157, 3445-50	9.3	40
121	Adaptation of aerobically growing <i>Pseudomonas aeruginosa</i> to copper starvation. <i>Journal of Bacteriology</i> , 2008 , 190, 6706-17	3.5	39

120	Silver nanoparticle behaviour in lake water depends on their surface coating. <i>Science of the Total Environment</i> , 2016 , 573, 946-953	10.2	39
119	Chemical modification in electrothermal atomic absorption spectrometry. Organization and classification of data by multivariate methods. Invited lecture. <i>Journal of Analytical Atomic Spectrometry</i> , 1992 , 7, 147	3.7	38
118	Cellular toxicity pathways of inorganic and methyl mercury in the green microalga <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2017 , 7, 8034	4.9	37
117	Effects of macrophytes on the fate of mercury in aquatic systems. <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 1225-37	3.8	37
116	Amine- and carboxyl- quantum dots affect membrane integrity of bacterium <i>Cupriavidus metallidurans</i> CH34. <i>Environmental Science & Technology</i> , 2009 , 43, 5117-22	10.3	36
115	Comparative Study of Ruthenium, Rhodium and Palladium as Chemical Modifiers in Graphite Furnace Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , 1992 , 25, 221-238	1.1	34
114	Dynamics of sub-lethal effects of nano-CuO on the microalga <i>Chlamydomonas reinhardtii</i> during short-term exposure. <i>Aquatic Toxicology</i> , 2015 , 161, 267-75	5.1	33
113	The role of bacterial and algal exopolymeric substances in iron chemistry. <i>Marine Chemistry</i> , 2015 , 173, 148-161	3.7	32
112	Terrestrial ecotoxicity and effect factors of metals in life cycle assessment (LCA). <i>Chemosphere</i> , 2007 , 68, 1489-96	8.4	31
111	Electrohydrodynamic properties of succinoglycan as probed by fluorescence correlation spectroscopy, potentiometric titration and capillary electrophoresis. <i>Biomacromolecules</i> , 2006 , 7, 2818-26	6.9	30
110	Effect of pH on Pb biouptake by the freshwater alga <i>Chlorella kesslerii</i> . <i>Environmental Chemistry Letters</i> , 2003 , 1, 185-189	13.3	30
109	Study of Some Tungsten-Containing Chemical Modifiers in Graphite-Furnace Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 1990 , 23, 1921-1937	2.2	30
108	High contamination in the areas surrounding abandoned mines and mining activities: An impact assessment of the Dilala, Lulu and Mpingiri Rivers, Democratic Republic of the Congo. <i>Chemosphere</i> , 2018 , 191, 1008-1020	8.4	29
107	Transcriptomic and Physiological Responses of the Green Microalga <i>Chlamydomonas reinhardtii</i> during Short-Term Exposure to Subnanomolar Methylmercury Concentrations. <i>Environmental Science & Technology</i> , 2016 , 50, 7126-34	10.3	29
106	Antagonistic and synergistic effects of light irradiation on the effects of copper on <i>Chlamydomonas reinhardtii</i> . <i>Aquatic Toxicology</i> , 2014 , 155, 275-82	5.1	29
105	Characterization of the colloidal organic matter from the Amazonian basin by asymmetrical flow field-flow fractionation and size exclusion chromatography. <i>Water Research</i> , 2010 , 44, 223-31	12.5	29
104	Uptake, localization and clearance of quantum dots in ciliated protozoa <i>Tetrahymena thermophila</i> . <i>Environmental Pollution</i> , 2014 , 190, 58-64	9.3	28
103	Modeling of Cd uptake and efflux kinetics in metal-resistant bacterium <i>Cupriavidus metallidurans</i> . <i>Environmental Science & Technology</i> , 2010 , 44, 4597-602	10.3	25

102	Interaction of silver nanoparticles with antioxidant enzymes. <i>Environmental Science: Nano</i> , 2020 , 7, 1507-1517	4.17	24
101	Role of extracellular compounds in Cd-sequestration relative to Cd uptake by bacterium <i>Sinorhizobium meliloti</i> . <i>Environmental Pollution</i> , 2010 , 158, 2561-5	9.3	24
100	Stress and Protists: No life without stress. <i>European Journal of Protistology</i> , 2016 , 55, 39-49	3.6	23
99	Alternating current-dielectrophoresis driven on-chip collection and chaining of green microalgae in freshwaters. <i>Biomicrofluidics</i> , 2013 , 7, 24109	3.2	23
98	Sensing the dynamics of oxidative stress using enhanced absorption in protein-loaded random media. <i>Scientific Reports</i> , 2013 , 3, 3447	4.9	23
97	Mercury bioavailability, transformations, and effects on freshwater biofilms. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 3194-3205	3.8	22
96	Uptake of Cd(II) and Pb(II) by microalgae in presence of colloidal organic matter from wastewater treatment plant effluents. <i>Environmental Pollution</i> , 2010 , 158, 369-74	9.3	22
95	Asymmetrical flow field-flow fractionation coupled to multiangle laser light scattering detector: optimization of crossflow rate, carrier characteristics, and injected mass in alginate separation. <i>Journal of Separation Science</i> , 2007 , 30, 2332-40	3.4	22
94	Permanent iridium modifier deposited on tungsten and zirconium-treated platforms in electrothermal atomic absorption spectrometry: vaporization of bismuth, silver and tellurium. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999 , 54, 455-467	3.1	22
93	Behaviour of various arsenic species in electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1996 , 11, 997	3.7	22
92	Effects of extraction methods on the composition and molar mass distributions of exopolymeric substances of the bacterium <i>Sinorhizobium meliloti</i> . <i>Bioresource Technology</i> , 2012 , 114, 603-9	11	21
91	Cu and Pb accumulation by the marine diatom <i>Thalassiosira weissflogii</i> in the presence of humic acids. <i>Environmental Chemistry</i> , 2010 , 7, 309	3.2	21
90	Asymmetrical Flow Field Flow Fractionation - Multidetector System as a Tool for Studying Metal - Alginate Interactions. <i>Environmental Chemistry</i> , 2006 , 3, 192	3.2	21
89	Biological effects of four iron-containing nanoremediation materials on the green alga <i>Chlamydomonas</i> sp. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 154, 36-44	7	20
88	Natural Nanoparticles, Anthropogenic Nanoparticles, Where Is the Frontier?. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	19
87	Optimization of the C11-BODIPY(581/591) dye for the determination of lipid oxidation in <i>Chlamydomonas reinhardtii</i> by flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2013 , 83, 952-61	4.6	18
86	Assessment of metal - extracellular polymeric substances interactions by asymmetrical flow field-flow fractionation coupled to inductively coupled plasma mass spectrometry. <i>Environmental Chemistry</i> , 2010 , 7, 215	3.2	18
85	Morphological and spectroscopic investigation of the behavior of permanent iridium modifier deposited on pyrolytic graphite coated and zirconium treated platforms in electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997 , 52, 2115-2126	3.1	18

84	Transcriptomic approach for assessment of the impact on microalga and macrophyte of in-situ exposure in river sites contaminated by chlor-alkali plant effluents. <i>Water Research</i> , 2017 , 121, 86-94	12.5	17
83	Two-Dimensional Algal Collection and Assembly by Combining AC-Dielectrophoresis with Fluorescence Detection for Contaminant-Induced Oxidative Stress Sensing. <i>Biosensors</i> , 2015 , 5, 319-36	5.9	17
82	Predicting Pb bioavailability to freshwater microalgae in the presence of fulvic acid: algal cell density as a variable. <i>Chemosphere</i> , 2007 , 69, 1438-45	8.4	17
81	Exposure to sublethal concentrations of CoO and MnO nanoparticles induced elevated metal body burden in <i>Daphnia magna</i> . <i>Aquatic Toxicology</i> , 2017 , 189, 123-133	5.1	16
80	Effects of Mixtures of Engineered Nanoparticles and Metallic Pollutants on Aquatic Organisms. <i>Environments - MDPI</i> , 2020 , 7, 27	3.2	16
79	Species-specific isotope tracers to study the accumulation and biotransformation of mixtures of inorganic and methyl mercury by the microalga <i>Chlamydomonas reinhardtii</i> . <i>Environmental Pollution</i> , 2014 , 192, 212-5	9.3	16
78	Electrothermal Atomic Absorption Spectrometric Determination of Lead and Tin in Slurries. Optimization Study. <i>Analyst, The</i> , 1997 , 122, 337-343	5	16
77	Application of the Kelvin equation to vaporization of silver and gold in electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1995 , 50, 1725-1732	3.1	16
76	Impact of anthropogenic activities on the occurrence and distribution of toxic metals, extending-spectra β -lactamases and carbapenem resistance in sub-Saharan African urban rivers. <i>Science of the Total Environment</i> , 2020 , 727, 138129	10.2	15
75	Towards Mechanistic Understanding of Mercury Availability and Toxicity to Aquatic Primary Producers. <i>Chimia</i> , 2014 , 68, 799-805	1.3	15
74	Portable oxidative stress sensor: dynamic and non-invasive measurements of extracellular H ₂ O ₂ released by algae. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 245-252	11.8	15
73	Photo-transformation of pedogenic humic acid and consequences for Cd(II), Cu(II) and Pb(II) speciation and bioavailability to green microalga. <i>Chemosphere</i> , 2015 , 138, 908-15	8.4	15
72	Effects of a reservoir flushing on trace metal partitioning, speciation and benthic invertebrates in the floodplain. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 2692-702	4.3	15
71	Pb uptake by the freshwater alga <i>Chlorella kesslerii</i> in the presence of dissolved organic matter of variable composition. <i>Environmental Chemistry</i> , 2008 , 5, 366	3.2	15
70	Molecular Effects, Speciation, and Competition of Inorganic and Methyl Mercury in the Aquatic Plant <i>Elodea nuttallii</i> . <i>Environmental Science & Technology</i> , 2018 , 52, 8876-8884	10.3	14
69	New insights into ROS dynamics: a multi-layered microfluidic chip for ecotoxicological studies on aquatic microorganisms. <i>Nanotoxicology</i> , 2016 , 10, 1041-50	5.3	13
68	Influence of chemical speciation and biofilm composition on mercury accumulation by freshwater biofilms. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 38-49	4.3	13
67	Effect of competing ions and complexing organic substances on the cadmium uptake by the soil bacterium <i>Sinorhizobium meliloti</i> . <i>Environmental Toxicology and Chemistry</i> , 2009 , 28, 741-8	3.8	13

66	Surface investigation on chemically modified platforms for electrothermal atomic absorption spectrometry. <i>Surface and Interface Analysis</i> , 2000 , 29, 747-753	1.5	13
65	Chemical modification in electrothermal atomic absorption spectrometry. <i>Advances in Atomic Spectroscopy</i> , 1998 , 27-150		12
64	Interactions of core-shell quantum dots with metal resistant bacterium <i>Cupriavidus metallidurans</i> : consequences for Cu and Pb removal. <i>Journal of Hazardous Materials</i> , 2013 , 261, 123-9	12.8	11
63	Non-invasive continuous monitoring of pro-oxidant effects of engineered nanoparticles on aquatic microorganisms. <i>Journal of Nanobiotechnology</i> , 2017 , 15, 19	9.4	11
62	The use of permeation liquid membranes for free zinc measurements in aqueous solution. <i>Environmental Chemistry</i> , 2012 , 9, 429	3.2	11
61	Palladium Release in Electrothermal Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , 1997 , 30, 297-307	1.1	11
60	Role of cellular compartmentalization in the trophic transfer of mercury species in a freshwater plant-crustacean food chain. <i>Journal of Hazardous Materials</i> , 2016 , 320, 401-407	12.8	11
59	<i>Elodea nuttallii</i> exposure to mercury exposure under enhanced ultraviolet radiation: Effects on bioaccumulation, transcriptome, pigment content and oxidative stress. <i>Aquatic Toxicology</i> , 2016 , 180, 218-226	5.1	11
58	Molecular Effects of Inorganic and Methyl Mercury in Aquatic Primary Producers: Comparing Impact to A Macrophyte and A Green Microalga in Controlled Conditions. <i>Geosciences (Switzerland)</i> , 2018 , 8, 393	2.7	11
57	Comparative study of Cu uptake and early transcriptome responses in the green microalga <i>Chlamydomonas reinhardtii</i> and the macrophyte <i>Elodea nuttallii</i> . <i>Environmental Pollution</i> , 2019 , 250, 331-337	9.3	10
56	Environmental quality assessment of reservoirs impacted by Hg from chlor-alkali technologies: case study of a recovery. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 22542-22553	5.1	10
55	Composition and molar mass characterisation of bacterial extracellular polymeric substances by using chemical, spectroscopic and fractionation techniques. <i>Environmental Chemistry</i> , 2011 , 8, 155	3.2	10
54	Cd and Pb removal from contaminated environment by metal resistant bacterium <i>Cupriavidus metallidurans</i> CH34: importance of the complexation and competition effects. <i>Environmental Chemistry</i> , 2012 , 9, 389	3.2	10
53	Electrothermal Atomic Absorption Spectrometric Determination of Volatile Elements in Biological Materials in the Presence of a Mixed Palladium-Tungsten Chemical Modifier. <i>Analytical Letters</i> , 1996 , 29, 73-88	2.2	10
52	Metabolomics for early detection of stress in freshwater alga <i>Poterioochromonas malhamensis</i> exposed to silver nanoparticles. <i>Scientific Reports</i> , 2020 , 10, 20563	4.9	10
51	Solid phase extraction and diffusive gradients in thin films techniques for determination of total and labile concentrations of Cd(II), Cu(II), Ni(II) and Pb(II) in Black Sea water. <i>International Journal of Environmental Analytical Chemistry</i> , 2011 , 91, 62-73	1.8	9
50	Lateral and longitudinal patterns of water physico-chemistry and trace metal distribution and partitioning in a large river floodplain. <i>Science of the Total Environment</i> , 2017 , 587-588, 248-257	10.2	8
49	Seasonal and spatial variation in hydrochemical parameters of Lake Onego (Russia): insights from 2016 field monitoring. <i>Inland Waters</i> , 2019 , 9, 227-238	2.4	8

48	Colloidal Size and Redox State of Uranium Species in the Porewater of a Pristine Mountain Wetland. <i>Environmental Science & Technology</i> , 2019 , 53, 9361-9369	10.3	8
47	Alternating Current-Dielectrophoresis Collection and Chaining of Phytoplankton on Chip: Comparison of Individual Species and Artificial Communities. <i>Biosensors</i> , 2017 , 7,	5.9	8
46	Effect of humic substance photoalteration on lead bioavailability to freshwater microalgae. <i>Environmental Science & Technology</i> , 2011 , 45, 3452-8	10.3	8
45	Pro-oxidant effects of nano-TiO ₂ on <i>Chlamydomonas reinhardtii</i> during short-term exposure. <i>RSC Advances</i> , 2016 , 6, 115271-115283	3.7	8
44	Dissolved Organic Matter and Associated Trace Metal Dynamics from River to Lake, Under Ice-Covered and Ice-Free Conditions. <i>Environmental Science & Technology</i> , 2019 , 53, 14134-14143	10.3	8
43	Combined Effects of Trace Metals and Light on Photosynthetic Microorganisms in Aquatic Environment. <i>Environments - MDPI</i> , 2018 , 5, 81	3.2	8
42	Insect Life Traits Are Key Factors in Mercury Accumulation and Transfer within the Terrestrial Food Web. <i>Environmental Science & Technology</i> , 2019 , 53, 11122-11132	10.3	7
41	Effects of two-hour exposure to environmental and high concentrations of methylmercury on the transcriptome of the macrophyte <i>Elodea nuttallii</i> . <i>Aquatic Toxicology</i> , 2018 , 194, 103-111	5.1	7
40	Do Exudates Affect Cadmium Speciation and Bioavailability to the Rhizobacterium <i>Sinorhizobium meliloti</i> ?. <i>Environmental Chemistry</i> , 2006 , 3, 424	3.2	7
39	Physicochemical Mechanisms of Trace Metal Bioaccumulation by Microorganisms. <i>Chimia</i> , 2002 , 56, 681-684	3.4	7
38	Recycling, reuse, and circular economy: a challenge for ecotoxicological research. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 22097-22100	5.1	6
37	Lead Bioavailability to Freshwater Microalgae in the Presence of Dissolved Organic Matter: Contrasting Effect of Model Humic Substances and Marsh Water Fractions Obtained by Ultrafiltration. <i>Aquatic Geochemistry</i> , 2015 , 21, 217-230	1.7	6
36	When Environmental Chemistry Meets Ecotoxicology: Bioavailability of Inorganic Nanoparticles to Phytoplankton. <i>Chimia</i> , 2020 , 74, 115-121	1.3	6
35	Preatomization behavior of palladium in electrothermal atomic-absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997 , 52, 1259-1267	3.1	6
34	Simplified kinetic model describing the analyte losses during pre-atomization thermal treatment in electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1992 , 7, 365-370	3.7	6
33	Species-species interactions modulate copper toxicity under different visible light conditions. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 771-777	7	6
32	Metabolomic Responses of Green Alga Exposed to Sublethal Concentrations of Inorganic and Methylmercury. <i>Environmental Science & Technology</i> , 2021 , 55, 3876-3887	10.3	6
31	Modeling whole body trace metal concentrations in aquatic invertebrate communities: A trait-based approach. <i>Environmental Pollution</i> , 2018 , 233, 419-428	9.3	6

30	Biofilm composition in the Olt River (Romania) reservoirs impacted by a chlor-alkali production plant. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 687-695	4.3	5
29	Kinetic Approach to the Interpretation of Analyte Losses During the Preatomization Thermal Treatment in Electrothermal Atomization Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , 1991 , 24, 139-159	1.1	5
28	Microbial community diversity and composition in river sediments contaminated with tetrabromobisphenol A and copper.. <i>Chemosphere</i> , 2021 , 272, 129855	8.4	5
27	Species-specific isotope tracking of mercury uptake and transformations by pico-nanoplankton in an eutrophic lake. <i>Environmental Pollution</i> , 2021 , 288, 117771	9.3	5
26	Upward mercury transfer by anecic earthworms in a contaminated soil. <i>European Journal of Soil Biology</i> , 2019 , 91, 32-37	2.9	4
25	Stability of Titanium Dioxide Nanoparticle Agglomerates in Transitional Waters and Their Effects Towards Plankton from Lagoon of Venice (Italy). <i>Aquatic Geochemistry</i> , 2015 , 21, 343-362	1.7	4
24	NanoTiO materials mitigate mercury uptake and effects on green alga <i>Chlamydomonas reinhardtii</i> in mixture exposure. <i>Aquatic Toxicology</i> , 2020 , 224, 105502	5.1	4
23	Kinetics of mercury accumulation by freshwater biofilms. <i>Environmental Chemistry</i> , 2017 , 14, 458	3.2	4
22	The Onium Compounds. <i>Journal of Chemical Education</i> , 1997 , 74, 734	2.4	4
21	A portable microfluidic-based biophotonic sensor for extracellular H ₂ O ₂ measurements 2013 ,		3
20	Morphological plasticity in <i>Chlamydomonas reinhardtii</i> and acclimation to micropollutant stress. <i>Aquatic Toxicology</i> , 2021 , 231, 105711	5.1	3
19	Probing Contaminant-Induced Alterations in Chlorophyll Fluorescence by AC-Dielectrophoresis-Based 2D-Algal Array. <i>Biosensors</i> , 2018 , 8,	5.9	3
18	Polystyrene Nanoplastic Behavior and Toxicity on Crustacean <i>Daphnia magna</i> : Media Composition, Size, and Surface Charge Effects. <i>Environments - MDPI</i> , 2021 , 8, 101	3.2	3
17	Towards early-warning gene signature of <i>Chlamydomonas reinhardtii</i> exposed to Hg-containing complex media. <i>Aquatic Toxicology</i> , 2019 , 214, 105259	5.1	2
16	Determination of trace metals accumulated and internalized by marine phytoplankton; interferences with colloidal organic matter. <i>International Journal of Environmental Analytical Chemistry</i> , 2012 , 92, 1699-1714	1.8	2
15	Release of selenium and tin from the graphite support in the presence of tungsten and palladium modifiers. <i>Reaction Kinetics and Catalysis Letters</i> , 1997 , 61, 139-145		2
14	The interplay of flow processes shapes aquatic invertebrate successions in floodplain channels - A modelling applied to restoration scenarios. <i>Science of the Total Environment</i> , 2021 , 750, 142081	10.2	2
13	Biogeochemical Dynamics Research in the Anthropocene. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	1

12	Dual role of titanium dioxide nanoparticles in the accumulation of inorganic and methyl mercury by crustacean <i>Daphnia magna</i> through waterborne and dietary exposure.. <i>Environmental Pollution</i> , 2021 , 295, 118619	9.3	1
11	A density gradient centrifugation method for rapid separation of nanoTiO and TiO aggregates from microalgal cells in complex mixtures with mercury. <i>MethodsX</i> , 2020 , 7, 101057	1.9	1
10	Mercury mobility, colloid formation and methylation in a polluted Fluvisol as affected by manure application and floodingdraining cycle. <i>Biogeosciences</i> , 2021 , 18, 3445-3465	4.6	1
9	Prevalence of β -Lactam and Sulfonamide Resistance Genes in a Freshwater Reservoir, Lake Brä, Switzerland. <i>Exposure and Health</i> , 2020 , 12, 187-197	8.8	1
8	Distinguishing the effects of Ce nanoparticles from their dissolution products: identification of transcriptomic biomarkers that are specific for ionic Ce in <i>Chlamydomonas reinhardtii</i> . <i>Metallomics</i> , 2021 , 13,	4.5	1
7	Determination of the Intracellular Complexation of Inorganic and Methylmercury in <i>Cyanobacterium</i> sp. PCC 6803. <i>Environmental Science & Technology</i> , 2021 , 55, 13971-13979	10.3	1
6	Asymmetrical Flow Field-Flow Fractionation Methods for Quantitative Determination and Size Characterization of Thiols and for Mercury Size Speciation Analysis in Organic Matter-Rich Natural Waters.. <i>Frontiers in Chemistry</i> , 2022 , 10, 800696	5	1
5	Kinetic Aspects of the Interactions between TiO ₂ Nanoparticles, Mercury and the Green Alga <i>Chlamydomonas reinhardtii</i> . <i>Environments - MDPI</i> , 2022 , 9, 44	3.2	0
4	Long-Term Effects of Mercury on Biofilms Grown in Contaminated Microcosms: A Pilot Study. <i>Environments - MDPI</i> , 2019 , 6, 28	3.2	
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2	Interactions of Metal-Containing Nanomaterials with Microorganisms 2021 , 38-57		
1	Light-trapped caddisflies to decipher the role of species traits and habitats in Hg accumulation and transfer. <i>Chemosphere</i> , 2022 , 287, 131909	8.4	