Vera I Slaveykova

List of Publications by Year
in descending order

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164 papers	5,752 citations	71102 41 h-index	95266 68 g-index
170 all docs	170 docs citations	170 times ranked	6444 citing authors

#	Article	IF	Citations
1	Mechanisms of toxic action of Ag, ZnO and CuO nanoparticles to selected ecotoxicological test organisms and mammalian cells in vitro: A comparative review. Nanotoxicology, 2014, 8, 57-71.	3.0	297
2	Predicting the Bioavailability of Metals and Metal Complexes: Critical Review of the Biotic Ligand Model. Environmental Chemistry, 2005, 2, 9.	1.5	289
3	Oxidative stress induced by inorganic nanoparticles in bacteria and aquatic microalgae â€“ state of the art and knowledge gaps. Nanotoxicology, 2014, 8, 605-630.	3.0	263
4	Influence of nanoplastic surface charge on eco-corona formation, aggregation and toxicity to freshwater zooplankton. Environmental Pollution, 2019, 252, 715-722.	7.5	162
5	Discriminating between intraâ€•and extracellular metals using chemical extractions. Limnology and Oceanography: Methods, 2004, 2, 237-247.	2.0	155
6	Physicochemical Aspects of Lead Bioaccumulation byChlorella vulgaris. Environmental Science & Technology, 2002, 36, 969-975.	10.0	135
7	The biouptake and toxicity of arsenic species on the green microalga Chlorella salina in seawater. Aquatic Toxicology, 2008, 87, 264-271.	4.0	129
8	Interactions between mercury and phytoplankton: Speciation, bioavailability, and internal handling. Environmental Toxicology and Chemistry, 2014, 33, 1211-1224.	4.3	108
9	Role of Fulvic Acid on Lead Bioaccumulation byChlorella kesslerii. Environmental Science & Technology, 2003, 37, 1114-1121.	10.0	106
10	SOME FUNDAMENTAL (AND OFTEN OVERLOOKED) CONSIDERATIONS UNDERLYING THE FREE ION ACTIVITY AND BIOTIC LIGAND MODELS. Environmental Toxicology and Chemistry, 2004, 23, 283.	4.3	100
11	Exopolysaccharides produced by bacteria isolated from the pelagic Southern Ocean â€” Role in Fe binding, chemical reactivity, and bioavailability. Marine Chemistry, 2011, 123, 88-98.	2.3	100
12	Hospital Effluents Are One of Several Sources of Metal, Antibiotic Resistance Genes, and Bacterial Markers Disseminated in Sub-Saharan Urban Rivers. Frontiers in Microbiology, 2016, 7, 1128.	3.5	99
13	Permanent modification in electrothermal atomic absorption spectrometry â€” advances, anticipations and reality. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2000, 55, 473-490.	2.9	94
14	Toward Quantitative Understanding of the Bioavailability of Dissolved Organic Matter in Freshwater Lake during Cyanobacteria Blooming. Environmental Science & Technology, 2017, 51, 6018-6026.	10.0	85
15	Potential of Hyperspectral Imaging Microscopy for Semi-quantitative Analysis of Nanoparticle Uptake by Protozoa. Environmental Science & Technology, 2014, 48, 8760-8767.	10.0	84
16	Influence of the Composition of Natural Organic Matter on Pb Bioavailability to Microalgae. Environmental Science & Technology, 2005, 39, 6109-6116.	10.0	78
17	Effects of copper-oxide nanoparticles, dissolved copper and ultraviolet radiation on copper bioaccumulation, photosynthesis and oxidative stress in the aquatic macrophyte Elodea nuttallii. Chemosphere, 2015, 128, 56-61.	8.2	76
18	Green Synthesis of Metal and Metal Oxide Nanoparticles and Their Effect on the Unicellular Alga Chlamydomonas reinhardtii. Nanoscale Research Letters, 2018, 13, 159.	5.7	76

#	ARTICLE	IF	CITATIONS
19	Bioavailability of inorganic nanoparticles to planktonic bacteria and aquatic microalgae in freshwater. Environmental Science: Nano, 2014, 1, 214.	4.3	75
20	Interactive effects of copper oxide nanoparticles and light to green alga Chlamydomonas reinhardtii. Aquatic Toxicology, 2016, 170, 120-128.	4.0	74
21	Comparison of Cd(II), Cu(II), and Pb(II) Biouptake by Green Algae in the Presence of Humic Acid. Environmental Science & Technology, 2007, 41, 4172-4178.	10.0	71
22	Colloidal organic matter from wastewater treatment plant effluents: Characterization and role in metal distribution. Water Research, 2010, 44, 340-350.	11.3	71
23	Persistent Hg contamination and occurrence of Hg-methylating transcript (hgcA) downstream of a chlor-alkali plant in the Olt River (Romania). Environmental Science and Pollution Research, 2016, 23, 10529-10541.	5.3	69
24	Permeation liquid membrane as a tool for monitoring bioavailable Pb in natural waters. Science of the Total Environment, 2004, 328, 55-68.	8.0	66
25	A Multimethod Approach for Investigating Algal Toxicity of Platinum Nanoparticles. Environmental Science & Technology, 2016, 50, 10635-10643.	10.0	65
26	Characterization of H+ and Cd2+ binding properties of the bacterial exopolysaccharides. Chemosphere, 2006, 65, 1362-1370.	8.2	64
27	Degradation of eight relevant micropollutants in different water matrices by neutral photo-Fenton process under UV254 and simulated solar light irradiation â€“ A comparative study. Applied Catalysis B: Environmental, 2014, 158-159, 30-37.	20.2	63
28	Cell-wall-dependent effect of carboxyl-CdSe/ZnS quantum dots on lead and copper availability to green microalgae. Environmental Pollution, 2012, 167, 27-33.	7.5	62
29	Effect of Humic Acid on Cd(II), Cu(II), and Pb(II) Uptake by Freshwater Algae: Kinetic and Cell Wall Speciation Considerations. Environmental Science & Technology, 2009, 43, 730-735.	10.0	61
30	Quantifying Pb and Cd Complexation by Alginates and the Role of Metal Binding on Macromolecular Aggregation. Biomacromolecules, 2005, 6, 2756-2764.	5.4	60
31	Cellular toxicity pathways of inorganic and methyl mercury in the green microalga Chlamydomonas reinhardtii. Scientific Reports, 2017, 7, 8034.	3.3	59
32	Dynamic NanoSIMS ion imaging of unicellular freshwater algae exposed to copper. Analytical and Bioanalytical Chemistry, 2009, 393, 583-589.	3.7	51
33	Interaction of silver nanoparticles with antioxidant enzymes. Environmental Science: Nano, 2020, 7, 1507-1517.	4.3	51
34	Adaptation of Aerobically GrowingPseudomonas aeruginosato Copper Starvation. Journal of Bacteriology, 2008, 190, 6706-6717.	2.2	49
35	Trace Metal Speciation and Bioavailability in Surface Waters of the Black Sea Coastal Area Evaluated by HF-PLM and DGT. Environmental Science & Technology, 2009, 43, 1798-1803.	10.0	49
36	Silver nanoparticle behaviour in lake water depends on their surface coating. Science of the Total Environment, 2016, 573, 946-953.	8.0	49

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37	Natural Nanoparticles, Anthropogenic Nanoparticles, Where Is the Frontier?. Frontiers in Environmental Science, 2020, 8, .	3.3	49
38	Chemical modification in electrothermal atomic absorption spectrometry. Organization and classification of data by multivariate methods. Invited lecture. Journal of Analytical Atomic Spectrometry, 1992, 7, 147.	3.0	47
39	Effects of macrophytes on the fate of mercury in aquatic systems. Environmental Toxicology and Chemistry, 2014, 33, 1225-1237.	4.3	47
40	Comparative Study of Ruthenium, Rhodium and Palladium as Chemical Modifiers in Graphite Furnace Atomic Absorption Spectrometry. Spectroscopy Letters, 1992, 25, 221-238.	1.0	46
41	Metabolomic Responses of Green Alga Chlamydomonas reinhardtii Exposed to Sublethal Concentrations of Inorganic and Methylmercury. Environmental Science & Technology, 2021, 55, 3876-3887.	10.0	46
42	Biosensor based on chemically-designed anchorable cytochrome c for the detection of H2O2 released by aquaticcells. Biosensors and Bioelectronics, 2013, 42, 385-390.	10.1	44
43	The role of bacterial and algal exopolymeric substances in iron chemistry. Marine Chemistry, 2015, 173, 148-161.	2.3	44
44	High contamination in the areas surrounding abandoned mines and mining activities: An impact assessment of the Dilala, Luilu and Mpingiri Rivers, Democratic Republic of the Congo. Chemosphere, 2018, 191, 1008-1020.	8.2	43
45	Effect of natural organic matter and green microalga on carboxyl-polyethylene glycol coated CdSe/ZnS quantum dots stability and transformations under freshwater conditions. Environmental Pollution, 2009, 157, 3445-3450.	7.5	42
46	Study of Some Tungsten-Containing Chemical Modifiers in Graphite-Furnace Atomic Absorption Spectrometry. Analytical Letters, 1990, 23, 1921-1937.	1.8	41
47	Terrestrial ecotoxicity and effect factors of metals in life cycle assessment (LCA). Chemosphere, 2007, 68, 1489-1496.	8.2	41
48	Dynamics of sub-lethal effects of nano-CuO on the microalga Chlamydomonas reinhardtii during short-term exposure. Aquatic Toxicology, 2015, 161, 267-275.	4.0	40
49	Amine- and Carboxyl- Quantum Dots Affect Membrane Integrity of Bacterium Cupriavidus metallidurans CH34. Environmental Science & Technology, 2009, 43, 5117-5122.	10.0	37
50	Transcriptomic and Physiological Responses of the Green Microalga Chlamydomonas reinhardtii during Short-Term Exposure to Subnanomolar Methylmercury Concentrations. Environmental Science & Technology, 2016, 50, 7126-7134.	10.0	36
51	Effect of pH on Pb biouptake by the freshwater alga Chlorella kesslerii. Environmental Chemistry Letters, 2003, 1, 185-189.	16.2	34
52	Electrohydrodynamic Properties of Succinoglycan as Probed by Fluorescence Correlation Spectroscopy, Potentiometric Titration and Capillary Electrophoresis. Biomacromolecules, 2006, 7, 2818-2826.	5.4	33
53	Antagonistic and synergistic effects of light irradiation on the effects of copper on Chlamydomonas reinhardtii. Aquatic Toxicology, 2014, 155, 275-282.	4.0	33
54	Behaviour of various arsenic species in electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1996, 11, 997.	3.0	32

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55	Effects of extraction methods on the composition and molar mass distributions of exopolymeric substances of the bacterium Sinorhizobium meliloti. Bioresource Technology, 2012, 114, 603-609.	9.6	32
56	Metabolomics for early detection of stress in freshwater alga Poterioochromonas malhamensis exposed to silver nanoparticles. Scientific Reports, 2020, 10, 20563.	3.3	32
57	Modeling of Cd Uptake and Efflux Kinetics in Metal-Resistant Bacterium Cupriavidus metallidurans. Environmental Science & Technology, 2010, 44, 4597-4602.	10.0	31
58	Optimization of the C11â€BODIPY^{581/591} dye for the determination of lipid oxidation in Chlamydomonas reinhardtii by flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83, 952-961.	1.5	31
59	Uptake, localization and clearance of quantum dots in ciliated protozoa Tetrahymena thermophila. Environmental Pollution, 2014, 190, 58-64.	7.5	31
60	Characterization of the colloidal organic matter from theÂAmazonian basin by asymmetrical flow field-flow fractionation and size exclusion chromatography. Water Research, 2010, 44, 223-231.	11.3	30
61	Impact of anthropogenic activities on the occurrence and distribution of toxic metals, extending-spectra Î²-lactamases and carbapenem resistance in sub-Saharan African urban rivers. Science of the Total Environment, 2020, 727, 138129.	8.0	29
62	Effects of Mixtures of Engineered Nanoparticles and Metallic Pollutants on Aquatic Organisms. Environments - MDPI, 2020, 7, 27.	3.3	29
63	Role of extracellular compounds in Cd-sequestration relative to Cd uptake by bacterium Sinorhizobium meliloti. Environmental Pollution, 2010, 158, 2561-2565.	7.5	28
64	Stress and Protists: No life without stress. European Journal of Protistology, 2016, 55, 39-49.	1.5	28
65	Mercury bioavailability, transformations, and effects on freshwater biofilms. Environmental Toxicology and Chemistry, 2017, 36, 3194-3205.	4.3	28
66	Permanent iridium modifier deposited on tungsten and zirconium-treated platforms in electrothermal atomic absorption spectrometry: vaporization of bismuth, silver and tellurium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1999, 54, 455-467.	2.9	26
67	Alternating current-dielectrophoresis driven on-chip collection and chaining of green microalgae in freshwaters. Biomicrofluidics, 2013, 7, 24109.	2.4	26
68	Species-specific isotope tracers to study the accumulation and biotransformation of mixtures of inorganic and methyl mercury by the microalga Chlamydomonas reinhardtii. Environmental Pollution, 2014, 192, 212-215.	7.5	25
69	Asymmetrical Flow Field Flow Fractionation - Multidetection System as a Tool for Studying Metal - Alginate Interactions. Environmental Chemistry, 2006, 3, 192.	1.5	24
70	Sensing the dynamics of oxidative stress using enhanced absorption in protein-loaded random media. Scientific Reports, 2013, 3, 3447.	3.3	24
71	Cu and Pb accumulation by the marine diatom Thalassiosira weissflogii in the presence of humic acids. Environmental Chemistry, 2010, 7, 309.	1.5	23
72	Uptake of Cd(II) and Pb(II) by microalgae in presence of colloidal organic matter from wastewater treatment plant effluents. Environmental Pollution, 2010, 158, 369-374.	7.5	23

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73	Biological effects of four iron-containing nanoremediation materials on the green alga Chlamydomonas sp.. Ecotoxicology and Environmental Safety, 2018, 154, 36-44.	6.0	23
74	Asymmetrical flow fieldâ€flow fractionation coupled to multiangle laser light scattering detector: Optimization of crossflow rate, carrier characteristics, and injected mass in alginate separation. Journal of Separation Science, 2007, 30, 2332-2340.	2.5	22
75	Insect Life Traits Are Key Factors in Mercury Accumulation and Transfer within the Terrestrial Food Web. Environmental Science & Technology, 2019, 53, 11122-11132.	10.0	22
76	Electrothermal Atomic Absorption Spectrometric Determination of Lead and Tin in Slurries. Optimization Study. Analyst, The, 1997, 122, 337-343.	3.5	21
77	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 2115-2126.	2.9	21
78	Colloidal Size and Redox State of Uranium Species in the Porewater of a Pristine Mountain Wetland. Environmental Science & Technology, 2019, 53, 9361-9369.	10.0	21
79	Towards Mechanistic Understanding of Mercury Availability and Toxicity to Aquatic Primary Producers. Chimia, 2014, 68, 799.	0.6	20
80	Transcriptomic approach for assessment of the impact on microalga and macrophyte of in-situ exposure in river sites contaminated by chlor-alkali plant effluents. Water Research, 2017, 121, 86-94.	11.3	20
81	Exposure to sublethal concentrations of Co3O4 and Mn2O3 nanoparticles induced elevated metal body burden in Daphnia magna. Aquatic Toxicology, 2017, 189, 123-133.	4.0	20
82	Application of the Kelvin equation to vaporization of silver and gold in electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1995, 50, 1725-1732.	2.9	19
83	Surface investigation on chemically modified platforms for electrothermal atomic absorption spectrometry. Surface and Interface Analysis, 2000, 29, 747-753.	1.8	19
84	Predicting Pb bioavailability to freshwater microalgae in the presence of fulvic acid: Algal cell density as a variable. Chemosphere, 2007, 69, 1438-1445.	8.2	19
85	Assessment of metal - extracellular polymeric substances interactions by asymmetrical flow field-flow fractionation coupled to inductively coupled plasma mass spectrometry. Environmental Chemistry, 2010, 7, 215.	1.5	19
86	Two-Dimensional Algal Collection and Assembly by Combining AC-Dielectrophoresis with Fluorescence Detection for Contaminant-Induced Oxidative Stress Sensing. Biosensors, 2015, 5, 319-336.	4.7	19
87	Molecular Effects, Speciation, and Competition of Inorganic and Methyl Mercury in the Aquatic Plant Elodea nuttallii. Environmental Science & Technology, 2018, 52, 8876-8884.	10.0	19
88	Comparative study of Cu uptake and early transcriptome responses in the green microalga Chlamydomonas reinhardtii and the macrophyte Elodea nuttallii. Environmental Pollution, 2019, 250, 331-337.	7.5	19
89	Chemical modification in electrothermal atomic absorption spectrometry. Advances in Atomic Spectroscopy, 1998, , 27-150.	0.8	19
90	Molecular Effects of Inorganic and Methyl Mercury in Aquatic Primary Producers: Comparing Impact to A Macrophyte and A Green Microalga in Controlled Conditions. Geosciences (Switzerland), 2018, 8, 393.	2.2	18

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91	Electrothermal Atomic Absorption Spectrometric Determination of Volatile Elements in Biological Materials in the Presence of a Mixed Palladium-Tungsten Chemical Modifier. Analytical Letters, 1996, 29, 73-88.	1.8	17
92	Photo-transformation of pedogenic humic acid and consequences for Cd(II), Cu(II) and Pb(II) speciation and bioavailability to green microalga. Chemosphere, 2015, 138, 908-915.	8.2	17
93	Pb uptake by the freshwater alga Chlorella kesslerii in the presence of dissolved organic matter of variable composition. Environmental Chemistry, 2008, 5, 366.	1.5	16
94	Influence of chemical speciation and biofilm composition on mercury accumulation by freshwater biofilms. Environmental Sciences: Processes and Impacts, 2017, 19, 38-49.	3.5	16
95	Effects of a reservoir flushing on trace metal partitioning, speciation and benthic invertebrates in the floodplain. Environmental Sciences: Processes and Impacts, 2014, 16, 2692-2702.	3.5	15
96	Portable oxidative stress sensor: Dynamic and non-invasive measurements of extracellular H 2 O 2 released by algae. Biosensors and Bioelectronics, 2015, 68, 245-252.	10.1	15
97	Elodea nuttallii exposure to mercury exposure under enhanced ultraviolet radiation: Effects on bioaccumulation, transcriptome, pigment content and oxidative stress. Aquatic Toxicology, 2016, 180, 218-226.	4.0	15
98	Seasonal and spatial variation in hydrochemical parameters of Lake Onego (Russia): insights from 2016 field monitoring. Inland Waters, 2019, 9, 227-238.	2.2	15
99	Dissolved Organic Matter and Associated Trace Metal Dynamics from River to Lake, Under Ice-Covered and Ice-Free Conditions. Environmental Science & Technology, 2019, 53, 14134-14143.	10.0	15
100	Morphological plasticity in Chlamydomonas reinhardtii and acclimation to micropollutant stress. Aquatic Toxicology, 2021, 231, 105711.	4.0	15
101	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. International Journal of Environmental Analytical Chemistry, 2011, 91, 62-73.	3.3	14
102	New insights into ROS dynamics: a multi-layered microfluidic chip for ecotoxicological studies on aquatic microorganisms. Nanotoxicology, 2016, 10, 1041-1050.	3.0	14
103	Polystyrene Nanoplastic Behavior and Toxicity on Crustacean Daphnia magna: Media Composition, Size, and Surface Charge Effects. Environments - MDPI, 2021, 8, 101.	3.3	14
104	EFFECT OF COMPETING IONS AND COMPLEXING ORGANIC SUBSTANCES ON THE CADMIUM UPTAKE BY THE SOIL BACTERIUM SINORHIZOBIUM MELILOTI. Environmental Toxicology and Chemistry, 2009, 28, 741.	4.3	13
105	Role of cellular compartmentalization in the trophic transfer of mercury species in a freshwater plant-crustacean food chain. Journal of Hazardous Materials, 2016, 320, 401-407.	12.4	13
106	Environmental quality assessment of reservoirs impacted by Hg from chlor-alkali technologies: case study of a recovery. Environmental Science and Pollution Research, 2016, 23, 22542-22553.	5.3	13
107	Non-invasive continuous monitoring of pro-oxidant effects of engineered nanoparticles on aquatic microorganisms. Journal of Nanobiotechnology, 2017, 15, 19.	9.1	13
108	Combined Effects of Trace Metals and Light on Photosynthetic Microorganisms in Aquatic Environment. Environments - MDPI, 2018, 5, 81.	3.3	13

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109	Kinetic Approach to the Interpretation of Analyte Losses During the Preatomization Thermal Treatment in Electrothermal Atomization Atomic Absorption Spectrometry. Spectroscopy Letters, 1991, 24, 139-159.	1.0	12
110	Cd and Pb removal from contaminated environment by metal resistant bacterium Cupriavidus metallidurans CH34: importance of the complexation and competition effects. Environmental Chemistry, 2012, 9, 389.	1.5	12
111	The use of permeation liquid membranes for free zinc measurements in aqueous solution. Environmental Chemistry, 2012, 9, 429.	1.5	12
112	Interactions of coreâ€“shell quantum dots with metal resistant bacterium Cupriavidus metallidurans: Consequences for Cu and Pb removal. Journal of Hazardous Materials, 2013, 261, 123-129.	12.4	12
113	Simplified kinetic model describing the analyte losses during pre-atomization thermal treatment in electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1992, 7, 365.	3.0	11
114	Palladium Release in Electrothermal Atomic Absorption Spectrometry. Spectroscopy Letters, 1997, 30, 297-307.	1.0	11
115	Composition and molar mass characterisation of bacterial extracellular polymeric substances by using chemical, spectroscopic and fractionation techniques. Environmental Chemistry, 2011, 8, 155.	1.5	11
116	Alternating Current-Dielectrophoresis Collection and Chaining of Phytoplankton on Chip: Comparison of Individual Species and Artificial Communities. Biosensors, 2017, 7, 4.	4.7	11
117	Recycling, reuse, and circular economy: a challenge for ecotoxicological research. Environmental Science and Pollution Research, 2019, 26, 22097-22100.	5.3	11
118	When Environmental Chemistry Meets Ecotoxicology: Bioavailability of Inorganic Nanoparticles to Phytoplankton. Chimia, 2020, 74, 115-121.	0.6	11
119	Species-specific isotope tracking of mercury uptake and transformations by pico-nanoplankton in an eutrophic lake. Environmental Pollution, 2021, 288, 117771.	7.5	11
120	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. Aquatic Geochemistry, 2015, 21, 217-230.	1.3	10
121	Effects of two-hour exposure to environmental and high concentrations of methylmercury on the transcriptome of the macrophyte Elodea nuttallii. Aquatic Toxicology, 2018, 194, 103-111.	4.0	10
122	Simple Acid Digestion Procedure for the Determination of Total Mercury in Plankton by Cold Vapor Atomic Fluorescence Spectroscopy. Methods and Protocols, 2022, 5, 29.	2.0	10
123	Effect of Humic Substance Photoalteration on Lead Bioavailability to Freshwater Microalgae. Environmental Science & Technology, 2011, 45, 3452-3458.	10.0	9
124	Microbial community diversity and composition in river sediments contaminated with tetrabromobisphenol A and copper. Chemosphere, 2021, 272, 129855.	8.2	9
125	Role of phytoplankton in aquatic mercury speciation and transformations. Environmental Chemistry, 2022, 19, 104-115.	1.5	9
126	Do Exudates Affect Cadmium Speciation and Bioavailability to the Rhizobacterium Sinorhizobium meliloti?. Environmental Chemistry, 2006, 3, 424.	1.5	8

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127	Pro-oxidant effects of nano-TiO₂on Chlamydomonas reinhardtii during short-term exposure. RSC Advances, 2016, 6, 115271-115283.	3.6	8
128	Lateral and longitudinal patterns of water physico-chemistry and trace metal distribution and partitioning in a large river floodplain. Science of the Total Environment, 2017, 587-588, 248-257.	8.0	8
129	Modeling whole body trace metal concentrations in aquatic invertebrate communities: A trait-based approach. Environmental Pollution, 2018, 233, 419-428.	7.5	8
130	Species-species interactions modulate copper toxicity under different visible light conditions. Ecotoxicology and Environmental Safety, 2019, 170, 771-777.	6.0	8
131	The interplay of flow processes shapes aquatic invertebrate successions in floodplain channels - A modelling applied to restoration scenarios. Science of the Total Environment, 2021, 750, 142081.	8.0	8
132	Preatomization behavior of palladium in electrothermal atomic-absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1997, 52, 1259-1267.	2.9	7
133	Physicochemical Mechanisms of Trace Metal Bioaccumulation by Microorganisms. Chimia, 2002, 56, 681-684.	0.6	7
134	Kinetics of mercury accumulation by freshwater biofilms. Environmental Chemistry, 2017, 14, 458.	1.5	7
135	Preface: Special Issue on Environmental Toxicology of Trace Metals. Environments - MDPI, 2018, 5, 138.	3.3	7
136	Prevalence of Î²-Lactam and Sulfonamide Resistance Genes in a Freshwater Reservoir, Lake BrÃ¤t, Switzerland. Exposure and Health, 2020, 12, 187-197.	4.9	7
137	NanoTiO2 materials mitigate mercury uptake and effects on green alga Chlamydomonas reinhardtii in mixture exposure. Aquatic Toxicology, 2020, 224, 105502.	4.0	7
138	Determination of the Intracellular Complexation of Inorganic and Methylmercury in Cyanobacterium Synechocystis sp. PCC 6803. Environmental Science & Technology, 2021, 55, 13971-13979.	10.0	7
139	The Onium Compounds. Journal of Chemical Education, 1997, 74, 734.	2.3	6
140	Biofilm composition in the Olt River (Romania) reservoirs impacted by a chlor-alkali production plant. Environmental Sciences: Processes and Impacts, 2017, 19, 687-695.	3.5	6
141	Mercury mobility, colloid formation and methylation in a polluted Fluvisol as affected by manure application and floodingâ€“draining cycle. Biogeosciences, 2021, 18, 3445-3465.	3.3	6
142	Towards early-warning gene signature of Chlamydomonas reinhardtii exposed to Hg-containing complex media. Aquatic Toxicology, 2019, 214, 105259.	4.0	5
143	Upward mercury transfer by anecic earthworms in a contaminated soil. European Journal of Soil Biology, 2019, 91, 32-37.	3.2	5
144	Metabolic alterations in alga Chlamydomonas reinhardtii exposed to nTiO₂ materials. Environmental Science: Nano, 2022, 9, 2922-2938.	4.3	5

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145	Stability of Titanium Dioxide Nanoparticle Agglomerates in Transitional Waters and Their Effects Towards Plankton from Lagoon of Venice (Italy). Aquatic Geochemistry, 2015, 21, 343-362.	1.3	4
146	Probing Contaminant-Induced Alterations in Chlorophyll Fluorescence by AC-Dielectrophoresis-Based 2D-Algal Array. Biosensors, 2018, 8, 15.	4.7	4
147	Release of selenium and tin from the graphite support in the presence of tungsten and palladium modifiers. Reaction Kinetics and Catalysis Letters, 1997, 61, 139-145.	0.6	3
148	Determination of trace metals accumulated and internalized by marine phytoplankton; interferences with colloidal organic matter. International Journal of Environmental Analytical Chemistry, 2012, 92, 1699-1714.	3.3	3
149	A portable microfluidic-based biophotonic sensor for extracellular H2O2measurements. , 2013, , .		3
150	Biogeochemical Dynamics Research in the Anthropocene. Frontiers in Environmental Science, 2019, 7, .	3.3	3
151	A density gradient centrifugation method for rapid separation of nanoTiO2 and TiO2 aggregates from microalgal cells in complex mixtures with mercury. MethodsX, 2020, 7, 101057.	1.6	3
152	Dual role of titanium dioxide nanoparticles in the accumulation of inorganic and methyl mercury by crustacean Daphnia magna through waterborne and dietary exposure. Environmental Pollution, 2022, 295, 118619.	7.5	3
153	Photo-Oxidative Stress in Green Algae and Cyanobacteria. , 0, , .		2
154	Trees as sentinels of metallic pollution induced by mining along the Odiel River (Southern Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.1	2
155	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. Frontiers in Chemistry, 2022, 10, 800696.	3.6	2
156	Long-Term Effects of Mercury on Biofilms Grown in Contaminated Microcosms: A Pilot Study. Environments - MDPI, 2019, 6, 28.	3.3	1
157	Distinguishing the effects of Ce nanoparticles from their dissolution products: identification of transcriptomic biomarkers that are specific for ionic Ce in Chlamydomonas reinhardtii. Metallomics, 2021, 13, .	2.4	1
158	When scientists become detectives: investigating systematic tree poisoning in a protected cove. Heliyon, 2020, 6, e03386.	3.2	1
159	Kinetic Aspects of the Interactions between TiO2 Nanoparticles, Mercury and the Green Alga Chlamydomonas reinhardtii. Environments - MDPI, 2022, 9, 44.	3.3	1
160	The Chance of a Lifetime: To Learn from the Best. Chimia, 2009, 63, 860.	0.6	0
161	Academic expertise in assisting private companies in the fields of environment and environmental toxicology: the role of individual expertise. Environmental Science and Pollution Research, 2021, 28, 1283-1286.	5.3	0
162	Editorial: Biogeochemistry of Anthropogenic Particles. Frontiers in Environmental Science, 2021, 9, .	3.3	0

#	ARTICLE	IF	CITATIONS
163	Interactions of Metal-Containing Nanomaterials with Microorganisms. , 2021, , 38-57.		0
164	Light-trapped caddisflies to decipher the role of species traits and habitats in Hg accumulation and transfer. Chemosphere, 2022, 287, 131909.	8.2	0