

Hiroshi Hasegawa

List of Publications by Year in descending order

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Version: 2024-02-01

198
papers

7,519
citations

61857

43
h-index

66788

78
g-index

202
all docs

202
docs citations

202
times ranked

7201
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of platinum (IV), palladium (II) and gold (III) from aqueous solutions onto Lysine modified crosslinked chitosan resin. <i>Journal of Hazardous Materials</i> , 2007, 146, 39-50.	6.5	442
2	Adsorption of gold(III), platinum(IV) and palladium(II) onto glycine modified crosslinked chitosan resin. <i>Bioresource Technology</i> , 2008, 99, 3801-3809.	4.8	439
3	Aquatic arsenic: Phytoremediation using floating macrophytes. <i>Chemosphere</i> , 2011, 83, 633-646.	4.2	310
4	Bioaccumulation, biotransformation and trophic transfer of arsenic in the aquatic food chain. <i>Environmental Research</i> , 2012, 116, 118-135.	3.7	290
5	Accumulation of arsenic in tissues of rice plant (<i>Oryza sativa</i> L.) and its distribution in fractions of rice grain. <i>Chemosphere</i> , 2007, 69, 942-948.	4.2	268
6	Effect of arsenic on photosynthesis, growth and yield of five widely cultivated rice (<i>Oryza sativa</i> L.) varieties in Bangladesh. <i>Chemosphere</i> , 2007, 67, 1072-1079.	4.2	228
7	Adsorption of inorganic and organic arsenic from aqueous solutions by polymeric Al/Fe modified montmorillonite. <i>Separation and Purification Technology</i> , 2007, 56, 90-100.	3.9	210
8	High levels of inorganic arsenic in rice in areas where arsenic-contaminated water is used for irrigation and cooking. <i>Science of the Total Environment</i> , 2011, 409, 4645-4655.	3.9	196
9	Arsenic accumulation in rice (<i>Oryza sativa</i> L.): Human exposure through food chain. <i>Ecotoxicology and Environmental Safety</i> , 2008, 69, 317-324.	2.9	186
10	Remediation of toxic metal contaminated soil by washing with biodegradable aminopolycarboxylate chelants. <i>Chemosphere</i> , 2012, 87, 1161-1170.	4.2	182
11	Arsenic Biogeochemistry Affected by Eutrophication in Lake Biwa, Japan. <i>Environmental Science & Technology</i> , 1997, 31, 2712-2720.	4.6	137
12	Arsenic accumulation in duckweed (<i>Spirodela polyrhiza</i> L.): A good option for phytoremediation. <i>Chemosphere</i> , 2007, 69, 493-499.	4.2	120
13	Biosynthesis and release of methylarsenic compounds during the growth of freshwater algae. <i>Chemosphere</i> , 2001, 43, 265-272.	4.2	109
14	Influence of cooking method on arsenic retention in cooked rice related to dietary exposure. <i>Science of the Total Environment</i> , 2006, 370, 51-60.	3.9	99
15	Determination of trace elements in seawater by fluorinated metal alkoxide glass-immobilized 8-hydroxyquinoline concentration and high-resolution inductively coupled plasma mass spectrometry detection. <i>Analytica Chimica Acta</i> , 1998, 363, 11-19.	2.6	98
16	Phylogenetic analysis of atmospheric halotolerant bacterial communities at high altitude in an Asian dust (KOSA) arrival region, Suzu City. <i>Science of the Total Environment</i> , 2010, 408, 4556-4562.	3.9	98
17	Speciation of Arsenic in Natural Waters by Solvent Extraction and Hydride Generation Atomic Absorption Spectrometry. <i>Analytical Chemistry</i> , 1994, 66, 3247-3252.	3.2	90
18	Phylogenetic diversity and vertical distribution of a halobacterial community in the atmosphere of an Asian dust (KOSA) source region, Dunhuang City. <i>Air Quality, Atmosphere and Health</i> , 2008, 1, 81-89.	1.5	85

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19	Arsenic in freshwater systems: Influence of eutrophication on occurrence, distribution, speciation, and bioaccumulation. <i>Applied Geochemistry</i> , 2012, 27, 304-314.	1.4	83
20	Nanometer-sized alumina coated with chromotropic acid as solid phase metal extractant from environmental samples and determination by inductively coupled plasma atomic emission spectrometry. <i>Microchemical Journal</i> , 2007, 86, 124-130.	2.3	76
21	Straighthead disease of rice (<i>Oryza sativa</i> L.) induced by arsenic toxicity. <i>Environmental and Experimental Botany</i> , 2008, 62, 54-59.	2.0	75
22	Seasonal changes of arsenic speciation in lake waters in relation to eutrophication. <i>Science of the Total Environment</i> , 2010, 408, 1684-1690.	3.9	72
23	Arsenic uptake by aquatic macrophyte <i>Spirodela polyrhiza</i> L.: Interactions with phosphate and iron. <i>Journal of Hazardous Materials</i> , 2008, 160, 356-361.	6.5	67
24	Assessment of composition and origin of airborne bacteria in the free troposphere over Japan. <i>Atmospheric Environment</i> , 2013, 74, 73-82.	1.9	67
25	Vertical distribution of airborne bacterial communities in an Asian-dust downwind area, Noto Peninsula. <i>Atmospheric Environment</i> , 2015, 119, 282-293.	1.9	65
26	Variations in the structure of airborne bacterial communities in a downwind area during an Asian dust (Kosa) event. <i>Science of the Total Environment</i> , 2014, 488-489, 75-84.	3.9	64
27	Bacterial degradation of antibiotic residues in marine fish farm sediments of Uranouchi Bay and phylogenetic analysis of antibiotic-degrading bacteria using 16S rDNA sequences. <i>Fisheries Science</i> , 2006, 72, 811-820.	0.7	63
28	Aeolian Dispersal of Bacteria Associated With Desert Dust and Anthropogenic Particles Over Continental and Oceanic Surfaces. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 5579-5588.	1.2	62
29	Formation and Stability of Binary Complexes of Divalent Ecotoxic Ions (Ni, Cu, Zn, Cd, Pb) with Biodegradable Aminopolycarboxylate Chelants (dl-2-(2-Carboxymethyl)Nitrilotriacetic Acid, GLDA, and) <i>Tj ETQq1 1 0,784314, 0.6, 59 BT /Over</i> 41, 1713-1728.	0.6	59
30	Variations in airborne bacterial communities at high altitudes over the Noto Peninsula (Japan) in response to Asian dust events. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11877-11897.	1.9	58
31	Altrivalent substitution of sodium for calcium in biogenic calcite and aragonite. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 202, 21-38.	1.6	57
32	Recovery of indium from end-of-life liquid-crystal display panels using aminopolycarboxylate chelants with the aid of mechanochemical treatment. <i>Microchemical Journal</i> , 2013, 106, 289-294.	2.3	54
33	Highly selective and straightforward recovery of gold and platinum from acidic waste effluents using cellulose-based bio-adsorbent. <i>Journal of Hazardous Materials</i> , 2021, 410, 124569.	6.5	54
34	Effect of Extraction Variables on the Biodegradable Chelant-Assisted Removal of Toxic Metals from Artificially Contaminated European Reference Soils. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	53
35	New Mode of Ion Size Discrimination for Group 2 Metals Using Poly(pyrazolyl)borate Ligands. 2. Control of Stability and Structure of Chelate Complexes by Intra- and Interligand Contact and Shielding Effect. <i>Inorganic Chemistry</i> , 1994, 33, 4376-4383.	1.9	52
36	Prostaglandin E receptor EP3 ^Δ isoform, with mostly full constitutive Gi activity and agonist-dependent Gs activity. <i>FEBS Letters</i> , 1996, 386, 165-168.	1.3	52

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37	Title is missing!. Journal of Oceanography, 2001, 57, 261-273.	0.7	52
38	Effect of eutrophication on the distribution of arsenic species in eutrophic and mesotrophic lakes. Science of the Total Environment, 2009, 407, 1418-1425.	3.9	52
39	Arsenic speciation including As^{III} arsenic in natural waters. Applied Organometallic Chemistry, 1999, 13, 113-119.	1.7	51
40	Influence of phosphate and iron ions in selective uptake of arsenic species by water fern (Salvinia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.6	49
41	Recovery of toxic metal ions from washing effluent containing excess aminopolycarboxylate chelant in solution. Water Research, 2011, 45, 4844-4854.	5.3	48
42	Variations in the structure of airborne bacterial communities in Tsogt-Ovoo of Gobi desert area during dust events. Air Quality, Atmosphere and Health, 2017, 10, 249-260.	1.5	48
43	Stability Constants of Fe(III) and Cr(III) Complexes with α -2-(2-Carboxymethyl)nitrilotriacetic Acid (GLDA) and 3-Hydroxy-2,2-iminodisuccinic acid (HIDS) in Aqueous Solution. Journal of Chemical & Engineering Data, 2012, 57, 2723-2732.	1.0	46
44	PHYSICOCHEMICAL PROPERTIES OF <i>MORINGA OLEIFERA</i> LAM. SEED OIL OF THE INDIGENOUS CULCIVAR OF BANGLADESH. Journal of Food Lipids, 2009, 16, 540-553.	0.9	43
45	Transport of DMAA and MMAA into rice (<i>Oryza sativa</i> L.) roots. Environmental and Experimental Botany, 2011, 72, 41-46.	2.0	42
46	Dissolved niobium and tantalum in the North Pacific. Geophysical Research Letters, 1998, 25, 999-1002.	1.5	40
47	Seasonal Changes in Methylarsenic Distribution in Tosa Bay and Uranouchi Inlet. Applied Organometallic Chemistry, 1996, 10, 733-740.	1.7	39
48	Non-destructive separation of metal ions from wastewater containing excess aminopolycarboxylate chelant in solution with an ion-selective immobilized macrocyclic material. Chemosphere, 2010, 79, 193-198.	4.2	38
49	Densities, Viscosities, and Speeds of Sound of Binary Mixtures of Heptan-1-ol with 1,4-Dioxane at Temperatures from (298.15 to 323.15) K and Atmospheric Pressure. Journal of Chemical & Engineering Data, 2013, 58, 2887-2897.	1.0	36
50	Selective recovery of gold, palladium, or platinum from acidic waste solution. Microchemical Journal, 2018, 139, 174-180.	2.3	36
51	Optimum conditions of pH, temperature and preculture for biosorption of europium by microalgae <i>Acutodesmus acuminatus</i> . Biochemical Engineering Journal, 2019, 143, 58-64.	1.8	36
52	Selective recovery of silver and palladium from acidic waste solutions using dithiocarbamate-functionalized cellulose. Chemical Engineering Journal, 2021, 407, 127225.	6.6	36
53	The Behavior of Trivalent and Pentavalent Methylarsenicals in Lake Biwa. Applied Organometallic Chemistry, 1997, 11, 305-311.	1.7	35
54	Thermodynamic Properties of the Binary Mixture of Hexan-1-ol with <i>m</i> -Xylene at $T = (303.15, 313.15, \text{ and } 323.15)$ K. Journal of Chemical & Engineering Data, 2009, 54, 3300-3302.	1.0	35

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55	Identification of the chemical form of sulfur compounds in the Japanese pink coral (Corallium) Tj ETQq1 1 0.784314 1.3 BT / Overlock 10	1.3	35
56	Molecularly imprinted polymer solid-phase extraction of synthetic cathinones from urine and whole blood samples. <i>Journal of Separation Science</i> , 2018, 41, 4506-4514.	1.3	35
57	Chelator-assisted washing for the extraction of lead, copper, and zinc from contaminated soils: A remediation approach. <i>Applied Geochemistry</i> , 2019, 109, 104397.	1.4	35
58	Selective separation of arsenic species from aqueous solutions with immobilized macrocyclic material containing solid phase extraction columns. <i>Chemosphere</i> , 2011, 82, 549-556.	4.2	34
59	Element profile and chemical environment of sulfur in a giant clam shell: Insights from μ -XRF and X-ray absorption near-edge structure. <i>Chemical Geology</i> , 2013, 352, 170-175.	1.4	34
60	Arsenic biotransformation potential of six marine diatom species: effect of temperature and salinity. <i>Scientific Reports</i> , 2019, 9, 10226.	1.6	34
61	Decontamination of spent iron-oxide coated sand from filters used in arsenic removal. <i>Chemosphere</i> , 2013, 92, 196-200.	4.2	32
62	Selective recovery of indium from lead-smelting dust. <i>Chemical Engineering Journal</i> , 2015, 277, 219-228.	6.6	32
63	Large volume preconcentration and purification for determining the $^{240}\text{Pu}/^{239}\text{Pu}$ isotopic ratio and $^{238}\text{Pu}/^{239}+^{240}\text{Pu}$ alpha-activity ratio in seawater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2005, 267, 183-193.	0.7	31
64	Arsenic Accumulation in Rice (<i>Oryza sativa</i> L.) Varieties of Bangladesh: A Glass House Study. <i>Water, Air, and Soil Pollution</i> , 2007, 185, 53-61.	1.1	31
65	Characterization of halotolerant and oligotrophic bacterial communities in Asian desert dust (KOSA) bioaerosol accumulated in layers of snow on Mount Tateyama, Central Japan. <i>Aerobiologia</i> , 2011, 27, 277-290.	0.7	31
66	Spectrophotometric, polarographic and conductometric evidence for triple ion formation from benzenesulfonate and diphenyl phosphate salts in protophobic aprotic solvents. <i>Electrochimica Acta</i> , 1994, 39, 629-638.	2.6	30
67	Selective separation of elements from complex solution matrix with molecular recognition plus macrocycles attached to a solid-phase: A review. <i>Microchemical Journal</i> , 2013, 110, 485-493.	2.3	30
68	Atmospheric aerosol deposition influences marine microbial communities in oligotrophic surface waters of the western Pacific Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 118, 37-45.	0.6	30
69	Dithiocarbamate-modified cellulose resins: A novel adsorbent for selective removal of arsenite from aqueous media. <i>Journal of Hazardous Materials</i> , 2019, 380, 120816.	6.5	30
70	Quality assessment of the non-carbonated bottled drinking water marketed in Bangladesh and comparison with tap water. <i>Food Control</i> , 2017, 73, 1149-1158.	2.8	28
71	Bioaccumulation and biotransformation of arsenic by the brown macroalga <i>Sargassum patens</i> C. Agardh in seawater: effects of phosphate and iron ions. <i>Journal of Applied Phycology</i> , 2019, 31, 2669-2685.	1.5	28
72	Isolation of monomethylarsonic acid-mineralizing bacteria from arsenic contaminated soils of Ohkunoshima Island. <i>Applied Organometallic Chemistry</i> , 2006, 20, 538-544.	1.7	27

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73	Separation of lead from high matrix electroless nickel plating waste solution using an ion-selective immobilized macrocycle system. <i>Microchemical Journal</i> , 2011, 98, 103-108.	2.3	27
74	Selective recovery of indium from the etching waste solution of the flat-panel display fabrication process. <i>Microchemical Journal</i> , 2013, 110, 133-139.	2.3	27
75	Long-range-transported bioaerosols captured in snow cover on Mount Tateyama, Japan: impacts of Asian-dust events on airborne bacterial dynamics relating to ice-nucleation activities. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8155-8171.	1.9	27
76	Freshwater phytoplankton: biotransformation of inorganic arsenic to methylarsenic and organoarsenic. <i>Scientific Reports</i> , 2019, 9, 12074.	1.6	27
77	Chelant-induced reclamation of indium from the spent liquid crystal display panels with the aid of microwave irradiation. <i>Journal of Hazardous Materials</i> , 2013, 254-255, 10-17.	6.5	26
78	Magnesium <i>K</i> -edge XANES spectroscopy of geological standards. <i>Journal of Synchrotron Radiation</i> , 2013, 20, 734-740.	1.0	26
79	Mg coordination in biogenic carbonates constrained by theoretical and experimental XANES. <i>Earth and Planetary Science Letters</i> , 2015, 421, 68-74.	1.8	26
80	Phytoremediation of Toxic Metals in Soils and Wetlands: Concepts and Applications. , 2016, , 161-195.		26
81	Classification for Dimethylarsenate-decomposing Bacteria Using a Restrict Fragment Length Polymorphism Analysis of 16S rRNA Genes. <i>Analytical Sciences</i> , 2004, 20, 61-68.	0.8	25
82	Influence of EDTA and chemical species on arsenic accumulation in <i>Spirodela polyrhiza</i> L. (duckweed). <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 311-318.	2.9	25
83	Density and Viscosity of the Binary Mixtures of Hexan-1-ol with Isomeric Xylenes at $T = (308.15) T_j$ ETQq1 1 0,784314,rgBT /Over	1.0	25
84	Chelator-induced recovery of rare earths from end-of-life fluorescent lamps with the aid of mechano-chemical energy. <i>Waste Management</i> , 2018, 80, 17-25.	3.7	25
85	Distribution of trace element in Japanese red coral <i>Paracorallium japonicum</i> by μ -XRF and sulfur speciation by XANES: Linkage between trace element distribution and growth ring formation. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 127, 1-9.	1.6	24
86	Formation of Stable Carbocations or Zwitterions by a Specific Interaction with Alkali Metal or Alkaline-Earth Metal Ions in Acetonitrile. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 1619-1627.	2.0	23
87	Vertical distributions of airborne microorganisms over Asian dust source region of Taklimakan and Gobi Desert. <i>Atmospheric Environment</i> , 2019, 214, 116848.	1.9	23
88	Hydroxyiminodisuccinic acid (HIDS): A novel biodegradable chelating ligand for the increase of iron bioavailability and arsenic phytoextraction. <i>Chemosphere</i> , 2009, 77, 207-213.	4.2	22
89	Densities and Viscosities of the Binary Mixtures of Phenylmethanol with 2-Butanone. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 3323-3327.	1.0	22
90	Influence of chelating ligands on bioavailability and mobility of iron in plant growth media and their effect on radish growth. <i>Environmental and Experimental Botany</i> , 2011, 71, 345-351.	2.0	22

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91	Economic efficiency of different light wavelengths and intensities using LEDs for the cultivation of green microalga <i>Botryococcus braunii</i> (NIES-836) for biofuel production. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 269-275.	1.3	22
92	Salt Effects on Proton Transfer from Nitrophenols to Amine or Pyridine Bases in Acetonitrile. <i>The Journal of Physical Chemistry</i> , 1995, 99, 16609-16615.	2.9	21
93	The budget of dissolved trace metals in Lake Biwa, Japan. <i>Limnology</i> , 2004, 5, 7-16.	0.8	21
94	Comparative biotransformation and detoxification potential of arsenic by three macroalgae species in seawater: Evidence from laboratory culture studies. <i>Chemosphere</i> , 2019, 228, 117-127.	4.2	21
95	Dynamics of Strontium and geochemically correlated elements in soil during washing remediation with eco-complaint chelators. <i>Journal of Environmental Management</i> , 2020, 259, 110018.	3.8	21
96	Comparative evaluation of dithiocarbamate-modified cellulose and commercial resins for recovery of precious metals from aqueous matrices. <i>Journal of Hazardous Materials</i> , 2021, 418, 126308.	6.5	21
97	Conductometric Study on Higher Ion Aggregation of Lithium and Sodium Nitrophenolates in Aprotic Solvents. <i>The Journal of Physical Chemistry</i> , 1996, 100, 891-896.	2.9	20
98	Volumetric and Viscometric Behavior of the Binary System: (Hexan-1-ol + <i>p</i> -Xylene). <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5311-5313.	1.0	20
99	Effect of external iron and arsenic species on chelant-enhanced iron bioavailability and arsenic uptake in rice (<i>Oryza sativa</i> L.). <i>Chemosphere</i> , 2011, 84, 439-445.	4.2	20
100	Growth characteristics and growth rate estimation of Japanese precious corals. <i>Journal of Experimental Marine Biology and Ecology</i> , 2013, 441, 117-125.	0.7	20
101	Decontamination of metal-contaminated waste foundry sands using an EDTA-NaOH-NH ₃ washing solution. <i>Chemical Engineering Journal</i> , 2016, 296, 199-208.	6.6	20
102	Elucidation of Salt Effects on the Indicator Acidity in Acetonitrile. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 971-976.	2.0	19
103	Trace elements in <i>Corallium</i> spp. as indicators for origin and habitat. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012, 414-415, 1-5.	0.7	19
104	Molecular Characterization and Genetic Diversity Analysis of Rice (<i>Oryza sativa</i> L.) Using SSR Markers. <i>Journal of Crop Improvement</i> , 2012, 26, 244-257.	0.9	18
105	Phylogenetic analysis of bacterial species compositions in sand dunes and dust aerosol in an Asian dust source area, the Taklimakan Desert. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 631-644.	1.5	18
106	On-site analysis of gold, palladium, or platinum in acidic aqueous matrix using liquid electrode plasma-optical emission spectrometry combined with ion-selective preconcentration. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 91-99.	4.0	18
107	Selectivity design using interligand contact: solvent extraction and structures of first-series-transition metal-bis(pyrazol-1-yl)borate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 195-201.	1.1	17
108	Aggregation of Phosphoric Acid, Phenyl Dihydrogenphosphate, and Related Organophosphorus Acids in Conductometric Titration with Triethylamine in DMF. <i>Bulletin of the Chemical Society of Japan</i> , 1996, 69, 2215-2220.	2.0	17

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109	Environmental hazards associated with open-beach breaking of end-of-life ships: a review. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30880-30893.	2.7	17
110	Integrated effects of important environmental factors on arsenic biotransformation and photosynthetic efficiency by marine microalgae. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110797.	2.9	17
111	Detection of Iron(III)-Binding Ligands Originating from Marine Phytoplankton Using Cathodic Stripping Voltammetry. <i>Analytical Sciences</i> , 2004, 20, 89-93.	0.8	16
112	Stagnant surface water bodies (SSWBs) as an alternative water resource for the Chittagong metropolitan area of Bangladesh: physicochemical characterization in terms of water quality indices. <i>Environmental Monitoring and Assessment</i> , 2011, 173, 669-684.	1.3	16
113	Extractive decontamination of cesium-containing soil using a biodegradable aminopolycarboxylate chelator. <i>Microchemical Journal</i> , 2017, 134, 230-236.	2.3	16
114	Arsenic-Induced Straighthead: An Impending Threat to Sustainable Rice Production in South and South-East Asia!. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 311-315.	1.3	15
115	Complexation behavior of SrII and geochemically-related elements (MgII, CaII, BaII, and YIII) with biodegradable aminopolycarboxylate chelators (GLDA and HIDS). <i>Journal of Molecular Liquids</i> , 2017, 242, 1123-1130.	2.3	15
116	Laboratory culture experiments to study the effect of lignite humic acid fractions on iron solubility and iron uptake rates in phytoplankton. <i>Journal of Applied Phycology</i> , 2017, 29, 903-915.	1.5	15
117	Assessment of health risks associated with potentially toxic element contamination of soil by end-of-life ship dismantling in Bangladesh. <i>Environmental Science and Pollution Research</i> , 2019, 26, 24162-24175.	2.7	15
118	Role of triple ion formation in the acid-base reaction between tropolone and triethylamine in acetonitrile. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 1855-1859.	0.9	14
119	Significance of the concentration of chelating ligands on Fe ³⁺ -solubility, bioavailability, and uptake in rice plant. <i>Plant Physiology and Biochemistry</i> , 2012, 58, 205-211.	2.8	14
120	Recovery of the Rare Metals from Various Waste Ashes with the Aid of Temperature and Ultrasound Irradiation Using Chelants. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	1.1	14
121	A method for preconcentrating Zr from large volumes of seawater using MnO ₂ -impregnated fibers. <i>Talanta</i> , 2000, 53, 639-644.	2.9	13
122	Volumetric Behavior of the Binary Mixtures of Methyl Ethyl Ketone with <i>n</i> -Hexane, Cyclohexane, and Benzene at <i>T</i> = (303.15, 313.15, and 323.15) K. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1138-1141.	1.0	13
123	Arsenic speciation and biotransformation by the marine macroalga <i>Undaria pinnatifida</i> in seawater: A culture medium study. <i>Chemosphere</i> , 2019, 222, 705-713.	4.2	13
124	Viscometric Behavior of Binary Mixtures of Butan-2-one with Benzene at <i>T</i> = (303.15, 313.15, and) <i>T</i> = 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1138-1141.	1.0	12
125	Ultrasonic inactivation of <i>Microcystis aeruginosa</i> in the presence of TiO ₂ particles. <i>Journal of Bioscience and Bioengineering</i> , 2013, 116, 214-218.	1.1	12
126	Chelant-Assisted Depollution of Metal-Contaminated Fe-Coated Sands and Subsequent Recovery of the Chemicals Using Solid-Phase Extraction Systems. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	12

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127	Liquid electrode plasma-optical emission spectrometry combined with solid-phase preconcentration for on-site analysis of lead. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1060, 190-199.	1.2	12
128	Formation and stability of the mixed-chelator complexes of Sr ²⁺ , Mg ²⁺ , Ca ²⁺ , Ba ²⁺ , and Y ³⁺ in solution with bio-relevant chelators. <i>Journal of Inorganic Biochemistry</i> , 2019, 195, 141-148.	1.5	12
129	Effects of Asian Dust (KOSA) Deposition Event on Bacterial and Microalgal Communities in the Pacific Ocean. <i>Asian Journal of Atmospheric Environment</i> , 2011, 5, 157-163.	0.4	12
130	Enhanced remediation of arsenic-contaminated excavated soil using a binary blend of biodegradable surfactant and chelator. <i>Journal of Hazardous Materials</i> , 2022, 431, 128562.	6.5	12
131	Seasonal dynamics of dimethylarsinic-acid-decomposing bacteria dominating in Lake Kahokugata. <i>Applied Organometallic Chemistry</i> , 2005, 19, 231-238.	1.7	11
132	Seasonal Dynamics of Dimethylarsenic Acid Degrading Bacteria Dominated in Lake Kibagata. <i>Geomicrobiology Journal</i> , 2006, 23, 311-318.	1.0	11
133	Steric Control of Selectivity for Lanthanoids in Liquid-Liquid Extraction with Tris- and Tetrakis(pyrazol-1-yl)borate ²⁻ -Diketon Mixed-Ligand Systems. <i>Bulletin of the Chemical Society of Japan</i> , 1995, 68, 172-177.	2.0	10
134	Conductometric Study of Triple Ion Formation by Hydrogen Bonding Forces from Trialkylammonium Halides in Benzonitrile at Various Temperatures. <i>The Journal of Physical Chemistry</i> , 1995, 99, 6715-6720.	2.9	10
135	The Possibility of Regulating the Species Composition of Marine Phytoplankton Using Organically Complexed Iron. <i>Analytical Sciences</i> , 2001, 17, 209-211.	0.8	10
136	Seasonal dynamics of biodegradation activities for dimethylarsinic acid (DMA) in Lake Kahokugata. <i>Chemosphere</i> , 2009, 77, 36-42.	4.2	10
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