Keiko Tagami

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6768982/publications.pdf

Version: 2024-02-01

177 papers	4,408 citations	109321 35 h-index	144013 57 g-index
181 all docs	181 docs citations	181 times ranked	2604 citing authors

#	Article	IF	Citations
1	Isotopic evidence of plutonium release into the environment from the Fukushima DNPP accident. Scientific Reports, 2012, 2, 304.	3.3	250
2	Measurement of 240Pu/239Pu isotopic ratios in soils from the Marshall Islands using ICP-MS. Science of the Total Environment, 2001, 278, 151-159.	8.0	150
3	Concentrations of 239Pu and 240Pu and Their Isotopic Ratios Determined by ICP-MS in Soils Collected from the Chernobyl 30-km Zone. Environmental Science & Technology, 2000, 34, 2913-2917.	10.0	148
4	Release of Plutonium Isotopes into the Environment from the Fukushima Daiichi Nuclear Power Plant Accident: What Is Known and What Needs to Be Known. Environmental Science & Technology, 2013, 47, 9584-9595.	10.0	144
5	Determination of plutonium concentration and its isotopic ratio in environmental materials by ICP-MS after separation using and extraction chromatography. Journal of Analytical Atomic Spectrometry, 1999, 14, 859-865.	3.0	113
6	¹³⁵Cs/¹³⁷Cs Isotopic Ratio as a New Tracer of Radiocesium Released from the Fukushima Nuclear Accident. Environmental Science & Technology, 2014, 48, 5433-5438.	10.0	105
7	Concentrations of lanthanide elements, Th, and U in 77 Japanese surface soils. Environment International, 1998, 24, 275-286.	10.0	101
8	Specific activity and activity ratios of radionuclides in soil collected about 20km from the Fukushima Daiichi Nuclear Power Plant: Radionuclide release to the south and southwest. Science of the Total Environment, 2011, 409, 4885-4888.	8.0	97
9	Translocation of radiocesium from stems and leaves of plants and the effect on radiocesium concentrations in newly emerged plant tissues. Journal of Environmental Radioactivity, 2012, 111, 65-69.	1.7	90
10	Soil-to-Plant Transfer Factors of Stable Elements and Naturally Occurring Radionuclides (1) Upland Field Crops Collected in Japan. Journal of Nuclear Science and Technology, 2007, 44, 628-640.	1.3	89
11	Antimony mobility in Japanese agricultural soils and the factors affecting antimony sorption behavior. Environmental Pollution, 2006, 141, 321-326.	7.5	82
12	Determination of chlorine, bromine and iodine in plant samples by inductively coupled plasma-mass spectrometry after leaching with tetramethyl ammonium hydroxide under a mild temperature condition. Analytica Chimica Acta, 2006, 570, 88-92.	5.4	82
13	Radiological Dose Rates to Marine Fish from the Fukushima Daiichi Accident: The First Three Years Across the North Pacific. Environmental Science & Technology, 2015, 49, 1277-1285.	10.0	77
14	Determination of ¹³⁵Cs and ¹³⁵Cs/¹³⁷Cs Atomic Ratio in Environmental Samples by Combining Ammonium Molybdophosphate (AMP)-Selective Cs Adsorption and Ion-Exchange Chromatographic Separation to Triple-Quadrupole Inductively Coupled Plasmaâ€“Mass Spectrometry. Analytical Chemistry, 2014, 86, 7103-7110.	6.5	72
15	Distribution coefficient of selenium in Japanese agricultural soils. Chemosphere, 2005, 58, 1347-1354.	8.2	70
16	Whole-body to tissue concentration ratios for use in biota dose assessments for animals. Radiation and Environmental Biophysics, 2010, 49, 549-565.	1.4	69
17	A Method of Measurement of ²³⁹Pu, ²⁴⁰Pu, ²⁴¹Pu in High U Content Marine Sediments by Sector Field ICPâ€“MS and Its Application to Fukushima Sediment Samples. Environmental Science & Technology, 2014, 48, 534-541.	10.0	68
18	Soil-to-Plant Transfer Factors of Stable Elements and Naturally Occurring Radionuclides: (2) Rice Collected in Japan. Journal of Nuclear Science and Technology, 2007, 44, 779-790.	1.3	67

#	Article	IF	Citations
19	Isotopic Composition and Distribution of Plutonium in Northern South China Sea Sediments Revealed Continuous Release and Transport of Pu from the Marshall Islands. Environmental Science & Technology, 2014, 48, 3136-3144.	10.0	64
20	Contributions of 18 Food Categories to Intakes of 232Th and 238U in Japan. Health Physics, 2000, 78, 28-36.	0.5	53
21	New best estimates for radionuclide solidâ€“liquid distribution coefficients in soils. Part 3: miscellany of radionuclides (Cd, Co, Ni, Zn, I, Se, Sb, Pu, Am, and others). Journal of Environmental Radioactivity, 2009, 100, 704-715.	1.7	51
22	Ecological Half-Lives of Radiocesium in 16 Species in Marine Biota after the TEPCOâ€™s Fukushima Daiichi Nuclear Power Plant Accident. Environmental Science & Technology, 2013, 47, 7696-7703.	10.0	50
23	Role of soil organic matter in the mobility of radiocesium in agricultural soils common in Japan. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 306, 111-117.	4.7	47
24	Release of Pu Isotopes from the Fukushima Daiichi Nuclear Power Plant Accident to the Marine Environment Was Negligible. Environmental Science & Technology, 2014, 48, 9070-9078.	10.0	46
25	Soil-to-plant transfer factors of fallout 137Cs and native 133Cs in various crops collected in Japan. Journal of Radioanalytical and Nuclear Chemistry, 2007, 273, 205-210.	1.5	44
26	Distribution coefficients for 85Sr and 137Cs in Japanese agricultural soils and their correlations with soil properties. Journal of Radioanalytical and Nuclear Chemistry, 2008, 277, 433-439.	1.5	44
27	The key role of atomic spectrometry in radiation protection. Journal of Analytical Atomic Spectrometry, 2013, 28, 1676.	3.0	42
28	High-Performance Method for Determination of Pu Isotopes in Soil and Sediment Samples by Sector Field-Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2017, 89, 2221-2226.	6.5	42
29	Simultaneous determination of radiocesium (135Cs, 137Cs) and plutonium (239Pu, 240Pu) isotopes in river suspended particles by ICP-MS/MS and SF-ICP-MS. Talanta, 2016, 159, 55-63.	5.5	41
30	Effect of Ashing Temperature on Accurate Determination of Plutonium in Soil Samples. Analytical Chemistry, 2015, 87, 5511-5515.	6.5	40
31	Method for the detection of Tc in seaweed samples coupling the use of Re as a chemical tracer and isotope dilution inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2004, 509, 83-88.	5.4	37
32	Rapid determination of total iodine in Japanese coastal seawater using SF-ICP-MS. Microchemical Journal, 2012, 100, 42-47.	4.5	37
33	Ultra-trace plutonium determination in small volume seawater by sector field inductively coupled plasma mass spectrometry with application to Fukushima seawater samples. Journal of Chromatography A, 2014, 1337, 171-178.	3.7	37
34	Effect of phosphate addition on the sorptionâ€“desorption reaction of selenium in Japanese agricultural soils. Chemosphere, 2006, 63, 109-115.	8.2	36
35	Concentrations of uranium and ratios in soil and plant samples collected around the uranium conversion building in the JCO campus. Journal of Environmental Radioactivity, 2000, 50, 161-172.	1.7	35
36	Uptake of radionuclides and stable elements from paddy soil to rice: a review. Journal of Environmental Radioactivity, 2009, 100, 739-745.	1.7	35

#	Article	IF	Citations
37	Vertical distributions of plutonium isotopes in marine sediment cores off the Fukushima coast after the Fukushima Dai-ichi Nuclear Power Plant accident. Biogeosciences, 2013, 10, 2497-2511.	3.3	35
38	Triple-Quadrupole Inductively Coupled Plasma-Mass Spectrometry with a High-Efficiency Sample Introduction System for Ultratrace Determination of ¹³⁵Cs and ¹³⁷Cs in Environmental Samples at Femtogram Levels. Analytical Chemistry, 2016, 88, 8772-8779.	6.5	34
39	Separation of rhenium by an extraction chromatographic resin for determination by inductively coupled plasma-mass spectrometry. Analytica Chimica Acta, 2000, 405, 227-229.	5.4	33
40	Concentrations of chlorine, bromine and iodine in Japanese rivers. Chemosphere, 2006, 65, 2358-2365.	8.2	32
41	Sorption behavior of selenium on humic acid under increasing selenium concentration or increasing solid/liquid ratio. Journal of Environmental Radioactivity, 2008, 99, 993-1002.	1.7	32
42	Daily Intakes of 134Cs 137Cs 40K 232Th and 238U in Ukrainian Adult Males. Health Physics, 1997, 73, 814-819.	0.5	31
43	Estimation of Te-132 Distribution in Fukushima Prefecture at the Early Stage of the Fukushima Daiichi Nuclear Power Plant Reactor Failures. Environmental Science & Technology, 2013, 47, 5007-5012.	10.0	31
44	Plutonium concentration and isotopic ratio in soil samples from central-eastern Japan collected around the 1970s. Scientific Reports, 2015, 5, 9636.	3.3	31
45	The Time-Dependent Transfer Factor of Radiocesium from Soil to Game Animals in Japan after the Fukushima Dai-ichi Nuclear Accident. Environmental Science & Technology, 2016, 50, 9424-9431.	10.0	31
46	Method for Ultratrace Level ²⁴¹Am Determination in Large Soil Samples by Sector Field-Inductively Coupled Plasma Mass Spectrometry: With Emphasis on the Removal of Spectral Interferences and Matrix Effect. Analytical Chemistry, 2016, 88, 7387-7394.	6.5	29
47	Soil-to-Plant Transfer Factors of Stable Elements and Naturally Occurring Radionuclides. Journal of Nuclear Science and Technology, 2007, 44, 628-640.	1.3	29
48	Microbial role in immobilization of technetium in soil under waterlogged conditions. Chemosphere, 1996, 33, 217-225.	8.2	27
49	Uptake and Distribution of Iodine in Rice Plants. Journal of Environmental Quality, 2008, 37, 2243-2247.	2.0	27
50	Vertical distributions of Pu and radiocesium isotopes in sediments from Lake Inba after the Fukushima Daiichi Nuclear Power Plant accident: Source identification and accumulation. Applied Geochemistry, 2017, 78, 287-294.	3.0	27
51	Determination of U isotopic ratios in environmental samples by ICP-MS. Journal of Analytical Atomic Spectrometry, 2000, 15, 889-892.	3.0	26
52	Use of TEVA resin for the determination of U isotopes in water samples by Q-ICP-MS. Applied Radiation and Isotopes, 2004, 61, 255-259.	1.5	26
53	Determination of 232Th in seawater by ICP-MS after preconcentration and separation using a chelating resin. Talanta, 2011, 85, 1772-1777.	5.5	26
54	Comparison of transfer and distribution of technetium and rhenium in radish plants from nutrient solution. Applied Radiation and Isotopes, 2004, 61, 1203-1210.	1.5	25

#	Article	IF	Citations
55	Extractability of radiocesium from processed green tea leaves with hot water: the first emergent tea leaves harvested after the TEPCOâ€™s Fukushima Daiichi Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2012, 292, 243-247.	1.5	25
56	Chemical transformation of technetium in soil during the change of soil water conditions. Chemosphere, 1999, 38, 963-971.	8.2	24
57	Comparison of alkaline fusion and acid digestion methods for the determination of rhenium in rock and soil samples by ICP-MS. Analytica Chimica Acta, 2005, 535, 317-323.	5.4	24
58	Can we remove iodine-131 from tap water in Japan by boiling? â€“ Experimental testing in response to the Fukushima Daiichi Nuclear Power Plant accident. Chemosphere, 2011, 84, 1282-1284.	8.2	24
59	Radionuclide biological half-life values for terrestrial and aquatic wildlife. Journal of Environmental Radioactivity, 2015, 150, 270-276.	1.7	24
60	Determination of naturally occurring uranium concentrations in seawater, sediment, and marine organisms in Japanese estuarine areas. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 795-799.	1.5	23
61	Consideration on the Long Ecological Half-Life Component of ¹³⁷Cs in Demersal Fish Based on Field Observation Results Obtained after the Fukushima Accident. Environmental Science & Technology, 2016, 50, 1804-1811.	10.0	23
62	Rapid uranium preconcentration and separation method from fresh water samples for total U and 235U/238U isotope ratio measurements by ICP-MS. Analytica Chimica Acta, 2007, 592, 101-105.	5.4	22
63	Online stable carbon isotope ratio measurement in formic acid, acetic acid, methanol and ethanol in water by high performance liquid chromatographyâ€“isotope ratio mass spectrometry. Analytica Chimica Acta, 2008, 614, 165-172.	5.4	22
64	Estimation of¹³⁷Cs Plant Root Uptake Using Naturally Existing¹³³Cs. Journal of Nuclear Science and Technology, 2008, 45, 146-151.	1.3	22
65	Rapid and sensitive determination of tellurium in soil and plant samples by sector-field inductively coupled plasma mass spectrometry. Talanta, 2013, 116, 181-187.	5.5	22
66	Bromine and iodine in Japanese soils determined with polarizing energy dispersive X-ray fluorescence spectrometry. Soil Science and Plant Nutrition, 2015, 61, 751-760.	1.9	22
67	Aging effect on bioavailability of Mn, Co, Zn and Tc in Japanese agricultural soils under waterlogged conditions. Geoderma, 1998, 84, 3-13.	5.1	20
68	Radium-226 transfer factor from soils to crops and its simple estimation method using uranium and barium concentrations. Chemosphere, 2009, 77, 105-114.	8.2	20
69	Concentration ratios of stable elements for selected biota in Japanese estuarine areas. Radiation and Environmental Biophysics, 2010, 49, 591-601.	1.4	20
70	Processes controlling cobalt distribution in two temperate estuaries, Sagami Bay and Wakasa Bay, Japan. Estuarine, Coastal and Shelf Science, 2010, 89, 294-305.	2.1	20
71	Improvement of Tc separation procedure using a chromatographic resin for direct measurement by ICP-MS. Analytica Chimica Acta, 1997, 357, 1-3.	5.4	19
72	Marine and freshwater concentration ratios (CRwo-water): review of Japanese data. Journal of Environmental Radioactivity, 2013, 126, 420-426.	1.7	19

#	Article	IF	Citations
73	Establishing rapid analysis of Pu isotopes in seawater to study the impact of Fukushima nuclear accident in the Northwest Pacific. Scientific Reports, 2018, 8, 1892.	3.3	19
74	Soil-to-Plant Transfer Factors of Stable Elements and Naturally Occurring Radionuclides: (2) Rice Collected in Japan. Journal of Nuclear Science and Technology, 2007, 44, 779-790.	1.3	19
75	Effects of Clay Minerals on Radiocesium Sorption Behavior onto Paddy Field Soils. Radioisotopes, 2007, 56, 519-528.	0.2	19
76	Global Fallout Technetium-99 Distribution and Behavior in Japanese Soils. Journal of Nuclear and Radiochemical Sciences, 2002, 3, 1-5.	0.7	18
77	The concentration and distribution of essential elements in brown rice associated with the polishing rate: Use of ICP-AES and Micro-PIXE. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3625-3632.	1.4	18
78	Can elemental composition data of crop leaves be used to estimate radionuclide transfer to tree leaves?. Radiation and Environmental Biophysics, 2010, 49, 583-590.	1.4	18
79	Fate of radiocesium in sewage treatment process released by the nuclear accident at Fukushima. Chemosphere, 2013, 93, 689-694.	8.2	18
80	Distribution coefficients (Kd) of strontium and significance of oxides and organic matter in controlling its partitioning in coastal regions of Japan. Science of the Total Environment, 2014, 490, 979-986.	8.0	18
81	Transfer of REEs from nutrient solution to radish through fine roots and their distribution in the plant. Journal of Alloys and Compounds, 2006, 408-412, 409-412.	5.5	17
82	Rapid analysis of U isotopes in vegetables using ICP-MS: application to the emergency U monitoring after the nuclear accident at TEPCOâ€™s Fukushima Dai-ichi power station. Journal of Radioanalytical and Nuclear Chemistry, 2012, 292, 171-175.	1.5	17
83	Changes in the Soil to Brown Rice Concentration Ratio of Radiocaesium before and after the Fukushima Daiichi Nuclear Power Plant Accident in 2011. Environmental Science & Technology, 2018, 52, 8339-8345.	10.0	17
84	A comparison of concentration ratios for technetium and nutrient uptake by three plant species. Chemosphere, 2005, 60, 714-717.	8.2	16
85	Radiocaesium transfer and radiation exposure of frogs in Fukushima Prefecture. Scientific Reports, 2018, 8, 10662.	3.3	16
86	Comparison of food processing retention factors of 137Cs and 40K in vegetables. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1627-1634.	1.5	15
87	Distribution coefficients (K d) of stable iodine in estuarine and coastal regions, Japan, and their relationship to salinity and organic carbon in sediments. Environmental Monitoring and Assessment, 2013, 185, 3645-3658.	2.7	15
88	Removal of rare earth elements by algal flagellate Euglena gracilis. Journal of Alloys and Compounds, 2006, 408-412, 417-420.	5.5	14
89	Sediment-Water Distribution Coefficients of Stable Elements in Four Estuarine Areas in Japan. Journal of Nuclear Science and Technology, 2010, 47, 111-122.	1.3	14
90	Soil-to-crop transfer factors of tellurium. Chemosphere, 2014, 111, 554-559.	8.2	14

#	Article	IF	Citations
91	A new approach to evaluate factors controlling elemental sedimentâ€“seawater distribution coefficients (Kd) in coastal regions, Japan. Science of the Total Environment, 2016, 543, 315-325.	8.0	14
92	Comparison of coastal area sediment-seawater distribution coefficients (K d) of stable and radioactive Sr and Cs. Applied Geochemistry, 2017, 85, 148-153.	3.0	14
93	The transfer of fallout plutonium from paddy soil to rice: A field study in Japan. Journal of Environmental Radioactivity, 2019, 196, 22-28.	1.7	14
94	Determination of Uranium Isotopes in Soil Core Samples Collected on the JCO Grounds after the Criticality Accident. Environmental Science & Technology, 2001, 35, 4174-4179.	10.0	13
95	Influence of microorganisms on the behavior of technetium and other elements in paddy soil surface water. Journal of Environmental Radioactivity, 2004, 77, 369-380.	1.7	13
96	Estimation of soilâ€“soil solution distribution coefficient of radiostrontium using soil properties. Applied Radiation and Isotopes, 2009, 67, 319-323.	1.5	13
97	Temporal distribution of plutonium isotopes in marine sediments off Fukushima after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1151-1154.	1.5	13
98	Biological measures to minimize the risk of radiotherapy-associated second cancer: A research perspective. International Journal of Radiation Biology, 2016, 92, 289-301.	1.8	13
99	ICP-MS determination of Re at ultra trace levels in rock and soil samples. Journal of Analytical Atomic Spectrometry, 2001, 16, 669-671.	3.0	12
100	Deposition in Chiba Prefecture, Japan, of Fukushima Daiichi Nuclear Power Plant Fallout. Health Physics, 2013, 104, 189-194.	0.5	12
101	Extraction behaviors of interfering elements on TRU and DGA resins for 241Am determination by mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2017, 312, 151-160.	1.5	12
102	Changes of effective half-lives of 137 Cs in three herbaceous plants and bioavailable 137 Cs fraction in soil after the Fukushima nuclear accident. Applied Geochemistry, 2017, 85, 162-168.	3.0	12
103	Determination of Radionuclides Produced by Neutrons in Heavily Exposed Workers of the JCO Criticality Accident in Tokai-mura for Estimating an Individual's Neutron Fluence. Journal of Radiation Research, 2001, 42, S117-S128.	1.6	11
104	Determination of rhenium in manganese nodules by inductively coupled plasma mass spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2007, 273, 147-150.	1.5	11
105	Model estimation of 137Cs concentration change with time in seawater and sediment around the Fukushima Daiichi Nuclear Power Plant site considering fast and slow reactions in the seawater-sediment systems. Journal of Radioanalytical and Nuclear Chemistry, 2015, 304, 867-881.	1.5	11
106	Effective half-lives of 137Cs in giant butterbur and field horsetail, and the distribution differences of potassium and 137Cs in aboveground tissue parts. Journal of Environmental Radioactivity, 2015, 141, 138-145.	1.7	11
107	ICP-MS analysis of environmental plutonium. Radioactivity in the Environment, 2001, 1, 63-77.	0.2	10
108	Physicochemical forms of technetium in surface water covering paddy and upland fields. Chemosphere, 2004, 57, 953-959.	8.2	10

#	Article	IF	Citations
109	Soil-to-Plant Transfer Factors of Technetium-99 for Various Plants Collected in the Chernobyl Area. Journal of Nuclear and Radiochemical Sciences, 2005, 6, 261-264.	0.7	10
110	Estimation of Plantâ€Unavailable Iodine Concentrations in Agricultural Fields. Soil Science Society of America Journal, 2010, 74, 1562-1567.	2.2	10
111	A sensitive and simple analytical method for the determination of stable Cs in estuarine and coastal waters. Analytical Methods, 2013, 5, 2558.	2.7	10
112	Time trends in radiocaesium in the Japanese diet following nuclear weapons testing and Chernobyl: Implications for long term contamination post-Fukushima. Science of the Total Environment, 2017, 601-602, 1466-1475.	8.0	10
113	Quantifying spatial distribution of 137Cs in reference site soil in Asia. Catena, 2019, 180, 341-345.	5.0	10
114	Comparisons of effective half-lives of radiocesium in Japanese tea plants after two nuclear accidents, Chernobyl and Fukushima. Journal of Environmental Radioactivity, 2020, 213, 106109.	1.7	10
115	Radiocaesium Food Processing Retention Factors for Rice with Decreasing Yield Rates due to Polishing and Washing, and the Radiocaesium Distribution in Rice Bran. Radioisotopes, 2012, 61, 223-229.	0.2	10
116	Levels of radionuclides in plant samples collected around the uranium conversion facility following the criticality accident in Tokai-mura. Journal of Environmental Radioactivity, 2000, 50, 131-143.	1.7	9
117	Relationships among 137Cs, 133Cs, and K in plant uptake observed in Japanese agricultural fields. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 247-252.	1.5	9
118	Terrestrial Radioecology in Tropical Systems. Radioactivity in the Environment, 2012, , 155-230.	0.2	9
119	Sediment-seawater Distribution Coefficient for Radionuclides and Estimation of Radionuclide Desorption Ratio from Soil in Seawater. Bunseki Kagaku, 2013, 62, 527-533.	0.2	9
120	Rapid determination of ultra-trace plutonium isotopes (239Pu, 240Pu and 241Pu) in small-volume human urine bioassay using sector-field inductively coupled plasma mass spectrometry. Analytica Chimica Acta, 2018, 1000, 85-92.	5.4	9
121	Use of a Natural U/Th Concentration Ratio for Estimation of Anthropogenic Uranium Concentration in Japanese Agricultural Soils Due to Application of Phosphatic Fertilizers. Radioisotopes, 2006, 55, 71-78.	0.2	9
122	Measurement of natural radioactive nuclide concentrations in various metal ores used as industrial raw materials in Japan and estimation of dose received by workers handling them. Journal of Environmental Radioactivity, 2009, 100, 993-997.	1.7	8
123	Influence of dissolved organic matter on particle-water interactions of Co, Cu and Cd under estuarine conditions. Estuarine, Coastal and Shelf Science, 2012, 111, 75-83.	2.1	8
124	Comparison of radiocesium concentration changes in leguminous and non-leguminous herbaceous plants observed after the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2018, 186, 3-8.	1.7	8
125	Determination of bioavailable rhenium fraction in agricultural soils. Journal of Environmental Radioactivity, 2008, 99, 973-980.	1.7	7
126	Transfer of Radium-226 from Soil to Rice: A Comparison of Sampling Area Differences. Journal of Nuclear Science and Technology, 2009, 46, 49-54.	1.3	7

#	Article	IF	Citations
127	Newly derived transfer factors for Th, Am, Pu, and Cl since publication of IAEA TRS No. 472: a review. Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 11-20.	1.5	7
128	Effective half-lives of 137Cs from persimmon tree tissue parts in Japan after Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2015, 141, 8-13.	1.7	7
129	Simple and sensitive determination of radium-226 in river water by single column-chromatographic separation coupled to SF-ICP-MS analysis in medium resolution mode. Journal of Environmental Radioactivity, 2020, 220-221, 106305.	1.7	7
130	Vertical distribution of rhenium in seawater samples collected at three locations off the coast of Aomori, Japan. Journal of Radioanalytical and Nuclear Chemistry, 2006, 267, 631-635.	1.5	6
131	Rhenium Contents in Japanese River Waters Measured by Isotope Dilution ICP-MS and the Relationship of Re with Some Chemical Components. Journal of Nuclear Science and Technology, 2008, 45, 128-132.	1.3	6
132	Responses of the bacterial community to chronic gamma radiation in a rice paddy ecosystem. International Journal of Radiation Biology, 2011, 87, 663-672.	1.8	6
133	Effects of indoor and outdoor cultivation conditions on¹³⁷Cs concentrations in cultivated mushrooms produced after the Fukushima Daiichi Nuclear Power Plant accident. Journal of the Science of Food and Agriculture, 2017, 97, 600-605.	3.5	6
134	Estimation of Wild Mushroom Species with Low Radiocaesium Concentrations under Natural Conditions. Radioisotopes, 2017, 66, 277-287.	0.2	6
135	Insolubilization of Technetium by Microorganisms in Waterlogged Soils. Radioisotopes, 2003, 52, 475-482.	0.2	6
136	Transfer of Radionuclides to the Higher Plants Through Direct Deposition and Root Uptake Pathways. Radioisotopes, 2012, 61, 267-279.	0.2	5
137	Measurement of the Transfer Factor of Rare Earth Elements from Paddy Soil to Brown Rice and Their Distribution in Rice Grain Using ICP-MS. Bunseki Kagaku, 2018, 67, 405-411.	0.2	5
138	Concentration Change of Radiocaesium in Persimmon Leaves and Fruits^|^mdash;Observation Resutls in 2011 Spring - 2013 Summer^|^mdash;. Radioisotopes, 2014, 63, 87-92.	0.2	5
139	Soil-soil solution distribution coefficients of global fallout 239Pu and 237Np in Japanese paddy soils. Chemosphere, 2022, 291, 132775.	8.2	5
140	Natural radioactivities in iron and nickel ores imported into Japan and the dose assessment for workers handling them. Journal of Radiological Protection, 2010, 30, 613-620.	1.1	3
141	228Ra/226Ra activity ratio in groundwater around Mount Fuji, Japan. EPJ Web of Conferences, 2012, 24, 03003.	0.3	3
142	Collation of Strontium Concentration Ratios from Water to Aquatic Biota Species in Freshwater and Marine Environments and Factors Affecting the Ratios. Environmental Science & Technology, 2021, 55, 1637-1649.	10.0	3
143	Inequality in the distribution of 137Cs contamination within freshwater fish bodies and its affecting factors. Scientific Reports, 2021, 11, 5769.	3.3	3
144	Aggregated transfer factor of 137Cs in wild edible mushrooms collected in 2016â€“2020 for long-term internal dose assessment use. Journal of Environmental Radioactivity, 2021, 237, 106664.	1.7	3

#	Article	IF	Citations
145	Distribution and Food Processing Effect of Radiocaesium in Fertile Shoots of Field Horsetail(Equisetum arvense):Comparison of Direct Deposition and Root Uptake Results after the Fukushima Daiichi Nuclear Power Plant Accident. Radioisotopes, 2012, 61, 511-516.	0.2	3
146	A Statistical Approach to Estimate Soil-soil Solution Distribution Coefficient of Radiostrontium. Radioisotopes, 2008, 57, 295-303.	0.2	3
147	Pre- and post-accident environmental transfer of radionuclides in Japan: lessons learned in the IAEA MODARIA II programme. Journal of Radiological Protection, 2022, 42, 020509.	1.1	3
148	Iodide sorption and partitioning in solid, liquid and gas phases in soil samples collected from Japanese paddy fields. Radiation Protection Dosimetry, 2011, 146, 155-158.	0.8	2
149	Comparisons of soil pretreatment methods for SF-ICP-MS determination of ultra-trace level plutonium in water soluble and exchangeable fractions. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 643-651.	1.5	2
150	Effects of litter feeders on the transfer of 137Cs to plants. Scientific Reports, 2018, 8, 6691.	3.3	2
151	Soil-to-Crop Transfer Factor: Consideration on Excess Uranium from Phosphate Fertilizer. Radionuclides and Heavy Metals in Environment, 2020, , 163-180.	0.8	2
152	Environmental Transfer of Carbon-14 in Japanese Paddy Fields. , 2015, , 303-309.		2
153	Root Uptake of Radiocesium by a Mini Cabbage Growing on Various Potting Soils. Japanese Journal of Health Physics, 2013, 48, 150-155.	0.1	2
154	Use of Environmental Transfer Data to Understand the Fates of Radionuclides in the Environments and the Future. Radioisotopes, 2019, 68, 805-814.	0.2	2
155	Major Factors Affecting Weathering Half-lives of Iodine-131 and Radiocaesium in Leafy Vegetables Directly Contaminated by Fukushima Dai-ichi Nuclear Power Plant Accident Fallout (1) Calculating Weathering Half-lives of Leafy Vegetables Using Data Observed after the Fukushima Nuclear Accident. Radioisotopes, 2020, 69, 341-352.	0.2	2
156	Extractability of global fallout Pu from agricultural soils and its potential indication of bioavailability. Catena, 2022, 210, 105884.	5.0	2
157	Aggregated transfer factor of 137Cs in edible wild plants and its time dependence after the Fukushima Dai-ichi nuclear accident. Scientific Reports, 2022, 12, 5171.	3.3	2
158	A Statistical Approach to Estimating Soil-to-Plant Transfer Factor of Strontium in Agricultural Fields. Transactions of the Atomic Energy Society of Japan, 2009, 8, 313-319.	0.3	1
159	Soil Solution Ni Concentrations over whichKdis Constant in Japanese Agricultural Soils. Journal of Nuclear Science and Technology, 2011, 48, 337-343.	1.3	1
160	Measurement of the fate of acetic acid form carbon in soil solution of flooded soils using high performance liquid chromatography coupled with isotope ratio mass spectrometry. Geoderma, 2011, 165, 25-30.	5.1	1
161	Effect of biological activity due to different temperatures on iodide partitioning in solid, liquid, and gas phases in Japanese agricultural soils. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 1763-1768.	1.5	1
162	The 14C partitioning of [1,2-14C] sodium acetate in three phases (solid, liquid, and gas) in Japanese agricultural soils. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1389-1392.	1.5	1

#	Article	IF	Citations
163	Distributions of Inorganic Elements in Brown Rice Determined by ICP-OES and ICP-MS, and Analysis of Their Concentration Changes by Washing. Bunseki Kagaku, 2016, 65, 511-517.	0.2	1
164	Effective Half-Lives of Radiocesium in Terrestrial Plants Observed After Nuclear Power Plant Accidents. , 2017, , 125-138.		1
165	Characteristics of Radionuclide Behavior in the Soil Environment. Atomos, 2011, 53, 623-627.	0.0	1
166	Root Uptake of 137Cs from Sedimentation Sludge-Amended Soils by Komatsuna (Brassica rapa var.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	1
167	Transfer of Radium-226 from Soil to Rice: A Comparison of Sampling Area Differences. Journal of Nuclear Science and Technology, 2009, 46, 49-54.	1.3	1
168	Sediment-Water Distribution Coefficients of Stable Elements in Four Estuarine Areas in Japan. Journal of Nuclear Science and Technology, 2010, 47, 111-122.	1.3	1
169	Major Factors Affecting Weathering Half-lives of Iodine-131 and Radiocaesium in Leafy Vegetables Directly Contaminated by Fukushima Dai-ichi Nuclear Power Plant Accident Fallout (2) Comparison of the Weathering Half-Lives Observed for Herbaceous Plants After the Chernobyl and the Fukushima Nuclear Accidents. Radioisotopes, 2020, 69, 353-364.	0.2	1
170	The Recent IAEA Environmental Transfer Parameter Handbooks and Contribution from Japan. Japanese Journal of Health Physics, 2021, 56, 123-132.	0.1	1
171	Mass Interception Fractions and Weathering Half-lives of Iodine-131 and Radiocesium in Leafy Vegetables Observed after the Fukushima Daiichi Nuclear Power Plant Accident. Journal of Radiation Protection and Research, 2021, 46, 178-183.	0.6	1
172	Radiocesium and Potassium Decreases in Wild Edible Plants by Food Processing. , 2016, , 199-207.		0
173	Soil-to-Crop Transfer Factors (TFs) of Alkaline Earth Elements and Comparison of TFs of Stable Sr with Those of Global Fallout 90Sr. , 2018, , 75-92.		0
174	Soil Solution Ni Concentrations over which Kd is Constant in Japanese Agricultural Soils. Journal of Nuclear Science and Technology, 2011, 48, 337-343.	1.3	0
175	Considerations on Food Materials that Exceeded the Standard Limits of Radiocaesium with Time: Use of Food Monitoring Data. Radioisotopes, 2022, 71, 9-22.	0.2	0
176	Activity Report of the Task Group on Parameters Used in Biospheric Dose Assessment Models for Radioactive Waste Disposal. Japanese Journal of Health Physics, 2021, 56, 288-305.	0.1	0
177	A summary of environmental radioactivity research studies by members of the Japan Society of Nuclear and Radiochemical Sciences. Radiochimica Acta, 2022, .	1.2	0