Yukihiko Satou

List of Publications by Year
in descending order

35 papers	919 citations	687220 13 h-index	454834 30 g-index
35 all docs	35 docs citations	35 times ranked	788 citing authors

#	Article	IF	Citations
1	Inflammatory Signaling and DNA Damage Responses after Local Exposure to an Insoluble Radioactive Microparticle. Cancers, 2022, 14, 1045.	1.7	10
2	Atmospheric resuspension of insoluble radioactive cesium-bearing particles found in the difficult-to-return area in Fukushima. Progress in Earth and Planetary Science, 2022, 9, .	1.1	6
3	A sensitive method for Sr-90 analysis by accelerator mass spectrometry. Journal of Nuclear Science and Technology, 2021, 58, 72-79.	0.7	10
4	Deposition and Dispersion of Radioâ€Cesium Released due to the Fukushima Nuclear Accident: 2. Sensitivity to Aerosol Microphysical Properties of Csâ€Bearing Microparticles (CsMPs). Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033460.	1.2	10
5	Development of two-color resonant ionization sputtered neutral mass spectrometry and microarea imaging for Sr. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 044001.	0.6	3
6	Project IPAD, a database to catalogue the analysis of Fukushima Daiichi accident fragmental release material. Scientific Data, 2020, 7, 282.	2.4	2
7	Resonant sputtered neutral mass spectrometry using multiple reflections of laser to counterbalance Doppler broadening. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 034001.	0.6	0
8	Compositional and structural analysis of Fukushima-derived particulates using high-resolution x-ray imaging and synchrotron characterisation techniques. Scientific Reports, 2020, 10, 1636.	1.6	10
9	Assessment of the Mode of Occurrence and Radiological Impact of Radionuclides in Nigerian Coal and Resultant Post-Combustion Coal Ash Using Scanning Electron Microscopy and Gamma-Ray Spectroscopy. Minerals (Basel, Switzerland), 2020, 10, 241.	0.8	7
10	Perspective on the Biological Impact of Exposure to Radioactive Cesium-Bearing Insoluble Particles. , 2020, , 205-213.		2
11	Structural and compositional characteristics of Fukushima release particulate material from Units 1 and 3 elucidates release mechanisms, accident chronology and future decommissioning strategy. Scientific Reports, 2020, 10, 22056.	1.6	3
12	Mass spectral database for TOF-SIMS of stable isotopes of Sr and Zr. Surface Science Spectra, 2020, 27, 025001.	0.3	0
13	First determination of Pu isotopes (239Pu, 240Pu and 241Pu) in radioactive particles derived from Fukushima Daiichi Nuclear Power Plant accident. Scientific Reports, 2019, 9, 11807.	1.6	22
14	DNA damage induction during localized chronic exposure to an insoluble radioactive microparticle. Scientific Reports, 2019, 9, 10365.	1.6	12
15	A review of Cs-bearing microparticles in the environment emitted by the Fukushima Dai-ichi Nuclear Power Plant accident. Journal of Environmental Radioactivity, 2019, 205-206, 101-118.	0.9	71
16	Provenance of uranium particulate contained within Fukushima Daiichi Nuclear Power Plant Unit 1 ejecta material. Nature Communications, 2019, 10, 2801.	5.8	29
17	Activity of ⁹⁰Sr in Fallout Particles Collected in the Difficult-to-Return Zone around the Fukushima Daiichi Nuclear Power Plant. Environmental Science & Technology, 2019, 53, 5868-5876.	4.6	20
18	Formation of radioactive cesium microparticles originating from the Fukushima Daiichi Nuclear Power Plant accident: characteristics and perspectives. Journal of Nuclear Science and Technology, 2019, 56, 790-800.	0.7	8

#	Article	IF	Citations
19	Radiocarbon variations in tree rings since 1960 near the Tokai nuclear facility, Japan. Nuclear Instruments & Methods in Physics Research B, 2019, 439, 64-69.	0.6	2
20	Pre- and Post-Accident 14C Activities in tree rings near the Fukushima Dai-Ichi Nuclear Power Plant. Radiocarbon, 2019, 61, 1633-1642.	0.8	2
21	Radioactive particles emitted at the 1FNPS accident. Atomos, 2019, 61, 446-448.	0.0	1
22	Improvement of mapping quality by reflection of a laser beam in Resonance-SNMS. Journal of Surface Analysis (Online), 2019, 26, 204-205.	0.1	0
23	Isotope-selective Microscale Imaging of Radioactive Cs without Isobaric Interferences Using Sputtered Neutral Mass Spectrometry with Two-step Resonant Ionization Employing Newly-developed Ti:Sapphire Lasers. Analytical Sciences, 2018, 34, 1265-1270.	0.8	9
24	Analysis of two forms of radioactive particles emitted during the early stages of the Fukushima Dai-ichi Nuclear Power Station accident. Geochemical Journal, 2018, 52, 137-143.	0.5	79
25	Use of a size-resolved 1-D resuspension scheme to evaluate resuspended radioactive material associated with mineral dust particles from the ground surface. Journal of Environmental Radioactivity, 2017, 166, 436-448.	0.9	18
26	Investigation of the Chemical Characteristics of Individual Radioactive Microparticles Emitted from Reactor 1 by the Fukushima Daiichi Nuclear Power Plant Accident by Using Multiple Synchrotron Radiation X-ray Analyses. Bunseki Kagaku, 2017, 66, 251-261.	0.1	32
27	Analysis of External Surface Irregularities on Fukushima-Derived Fallout Particles. Frontiers in Energy Research, 2017, 5, .	1.2	21
28	First successful isolation of radioactive particles from soil near the Fukushima Daiichi Nuclear Power Plant. Anthropocene, 2016, 14, 71-76.	1.6	82
29	Pre- and post-accident 129 I and 137 Cs levels, and 129 I/ 137 Cs ratios in soil near the Fukushima Dai-ichi Nuclear Power Plant, Japan. Journal of Environmental Radioactivity, 2016, 151, 209-217.	0.9	23
30	Monte Carlo Evaluation of Internal Dose and Distribution Imaging Due to Insoluble Radioactive Cs-Bearing Particles of Water Deposited Inside Lungs via Pulmonary Inhalation Using PHITS Code Combined with Voxel Phantom Data. , 2016, , 209-220.		1
31	Technological developments for strontium-90 determination using AMS. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 233-236.	0.6	12
32	The new 6 MV multi-nuclide AMS facility at the University of Tsukuba. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 124-128.	0.6	15
33	Post-accident response of near-surface 129I levels and 129I/127I ratios in areas close to the Fukushima Dai-ichi Nuclear Power Plant, Japan. Nuclear Instruments & Methods in Physics Research B, 2015, 361, 569-573.	0.6	16
34	Vertical distribution and formation analysis of the 131I, 137Cs, 129mTe, and 110mAg from the Fukushima Dai-ichi Nuclear Power Plant in the beach soil. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1197-1200.	0.7	8
35	Assessment of individual radionuclide distributions from the Fukushima nuclear accident covering central-east Japan. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19526-19529.	3.3	373