

# Mitsuru Ebihara

## List of Publications by Year in descending order

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62  
papers

1,060  
citations

471509

17  
h-index

454955

30  
g-index

62  
all docs

62  
docs citations

62  
times ranked

933  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nondestructive Quantitative Analysis of Difficult-to-Measure Radionuclides <sup>107</sup> Pd and <sup>99</sup> Tc. <i>Analytical Chemistry</i> , 2021, 93, 9771-9777.	6.5	6
2	High sensitivity determination of iridium contents in ultra-basic rocks by INAA with coincidence gamma-ray detection. <i>Nuclear Engineering and Technology</i> , 2021, 54, 423-423.	2.3	0
3	Investigation of the source region of the lunar-meteorite group with the remote sensing datasets: Implication for the origin of mare volcanism in Mare Imbrium. <i>Icarus</i> , 2021, 370, 114690.	2.5	3
4	Determination of trace rare earth elements in rock samples including meteorites by ICP-MS coupled with isotope dilution and comparison methods. <i>Analytica Chimica Acta</i> , 2020, 1101, 81-89.	5.4	11
5	Reassessment of early <sup>131</sup> I inhalation doses by the Fukushima nuclear accident based on atmospheric <sup>137</sup> Cs and <sup>131</sup> I/ <sup>137</sup> Cs observation data and multi-ensemble of atmospheric transport and deposition models. <i>Journal of Environmental Radioactivity</i> , 2020, 218, 106233.	1.7	6
6	Formation of ferroan dacite by lunar silicic volcanism recorded in a meteorite from the Moon. <i>Progress in Earth and Planetary Science</i> , 2020, 7, .	3.0	3
7	Accurate determination of three halogen elements (Cl, Br, and I) in U.S. Geological Survey geochemical reference materials by radiochemical neutron activation analysis and an exhaustive comparison with literature data: a review. <i>Journal of Nuclear and Radiochemical Sciences</i> , 2020, 20, 12-19.	0.7	0
8	A new approach for reconstructing the <sup>131</sup> I-spreading due to the 2011 Fukushima nuclear accident by means of measuring <sup>129</sup> I in airborne particulate matter. <i>Journal of Environmental Radioactivity</i> , 2019, 208-209, 106000.	1.7	8
9	Siderophile element characteristics of acapulcoite- <sup>10</sup> lodranites and winonaites: Implications for the early differentiation processes of their parent bodies. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1153-1166.	1.6	1
10	Further evidence for an impact origin of the Tsenkher structure in the Gobi-Altai, Mongolia: geology of a 3.7 km crater with a well-preserved ejecta blanket. <i>Geological Magazine</i> , 2019, 156, 1-24.	1.5	16
11	A comparison of INAA and ICP-MS/ICP-AES methods for the analysis of meteorite samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 1681-1687.	1.5	4
12	Time-series analysis of atmospheric radiocesium at two SPM monitoring sites near the Fukushima Daiichi Nuclear Power Plant just after the Fukushima accident on March 11, 2011. <i>Geochemical Journal</i> , 2018, 52, 103-121.	1.0	47
13	Secondary- <sup>60</sup> volatiles linked metallic iron in eucrites: The dual- <sup>60</sup> origin metals of Camel Donga. <i>Meteoritics and Planetary Science</i> , 2017, 52, 737-761.	1.6	9
14	Measurements of Rare Earth Element and Other Element Mass Fractions in Environmental Reference Materials ( <sup>137</sup> NIST SRM 1646a, <sup>137</sup> NIST SRM 1400, <sup>137</sup> IAEA-395 and) <sup>137</sup> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 <sup>137</sup> ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 303-315.	8.1	5
15	Accurate Determination of Chlorine, Bromine and Iodine in U.S. Geological Survey Geochemical Reference Materials by Radiochemical Neutron Activation Analysis. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 213-219.	3.1	19
16	Inverse modeling of the <sup>137</sup> Cs source term of the Fukushima Dai-ichi Nuclear Power Plant accident constrained by a deposition map monitored by aircraft. <i>Journal of Environmental Radioactivity</i> , 2016, 164, 1-12.	1.7	41
17	Application of neutron activation analysis to micro gram scale of solid samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1757-1764.	1.5	5
18	Chemical characterization of a chromitite reference sample GPt-5 using INAA and ICP-MS. <i>Geochemical Journal</i> , 2016, 50, 179-185.	1.0	2

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19	Mineralogy and petrology of lunar meteorite Northwest Africa 2977 consisting of olivine cumulate gabbro including inverted pigeonite. <i>Earth, Planets and Space</i> , 2015, 67, .	2.5	8
20	Neutron activation analysis of iron meteorites. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1375-1380.	1.5	11
21	Chemical characteristic of R chondrites in the light of P, REEs, Th and U abundances. <i>Earth and Planetary Science Letters</i> , 2015, 422, 18-27.	4.4	39
22	Determination of atmospheric radiocesium on filter tapes used at automated SPM monitoring stations for estimation of transport pathways of radionuclides from Fukushima Dai-ichi Nuclear Power Plant. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1555-1559.	1.5	11
23	Multielemental analysis of Korean geological reference samples by INAA, ICP-AES and ICP-MS. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1367-1374.	1.5	11
24	Accurate determination of Zn in geological and cosmochemical rock samples by isotope dilution inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 506-514.	3.0	29
25	Lunar meteorite, Dhofar 1428: Feldspathic breccia containing <scp>KREEP</scp> and meteoritic components. <i>Meteoritics and Planetary Science</i> , 2014, 49, 921-928.	1.6	5
26	Synergistic Effect of Combining Two Nondestructive Analytical Methods for Multielemental Analysis. <i>Analytical Chemistry</i> , 2014, 86, 12030-12036.	6.5	21
27	Investigation of cutting methods for small samples of Hayabusa and future sample return missions. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1186-1201.	1.6	3
28	First retrieval of hourly atmospheric radionuclides just after the Fukushima accident by analyzing filter-tapes of operational air pollution monitoring stations. <i>Scientific Reports</i> , 2014, 4, 6717.	3.3	106
29	Geochemistry and mineralogy of a feldspathic lunar meteorite (regolith breccia), Northwest Africa 2200. <i>Polar Science</i> , 2013, 7, 241-259.	1.2	8
30	Accurate determination of trace amounts of phosphorus in geological samples by inductively coupled plasma atomic emission spectrometry with ion-exchange separation. <i>Analytica Chimica Acta</i> , 2013, 779, 8-13.	5.4	9
31	Accurate Determination of Chlorine, Bromine, and Iodine in Sedimentary Rock Reference Samples by Radiochemical Neutron Activation Analysis and a Detailed Comparison with Inductively Coupled Plasma Mass Spectrometry Literature Data. <i>Analytical Chemistry</i> , 2013, 85, 6336-6341.	6.5	25
32	Deep-sea record of impact apparently unrelated to mass extinction in the Late Triassic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19134-19139.	7.1	43
33	Preface: Migration of radionuclides from the Fukushima Daiichi Nuclear Power Plant accident. <i>Geochemical Journal</i> , 2012, 46, 267-270.	1.0	9
34	Reclassification of CK chondrites confirmed by elemental analysis and Fe-Mössbauer spectroscopy. <i>Hyperfine Interactions</i> , 2012, 208, 75-78.	0.5	1
35	A trial proficiency test of eight NAA laboratories in Asia using stream sediments. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 535-541.	1.5	4
36	Comparison of Multiple Prompt $\gamma$ -Ray Analysis and Prompt $\gamma$ -Ray Analysis for the Elemental Analysis of Geological and Cosmochemical Samples. <i>Analytical Chemistry</i> , 2011, 83, 7486-7491.	6.5	15

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37	Germanium Gamma-Ray Spectrometer on SELENE (KAGUYA). <i>Journal of the Physical Society of Japan</i> , 2009, 78, 153-156.	1.6	6
38	High Performance Germanium Gamma-Ray Spectrometer on Lunar Polar Orbiter SELENE (KAGUYA). <i>Transactions of the Japan Society for Aeronautical and Space Sciences Space Technology Japan</i> , 2009, 7, Pk_35-Pk_41.	0.2	9
39	Comparative Study of Activation Analyses for the Determination of Trace Halogens in Geological and Cosmochemical Samples. <i>Analytical Sciences</i> , 2007, 23, 1113-1119.	1.6	9
40	Vertical distribution of scandium in the north central Pacific. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	9
41	Determination of trace halogens in rock samples by radiochemical neutron activation analysis coupled with the k <sub>0</sub> -standardization method. <i>Analytica Chimica Acta</i> , 2007, 583, 384-391.	5.4	29
42	An anomalous eucrite, Dhofar 007, and a possible genetic relationship with mesosiderites. <i>Meteoritics and Planetary Science</i> , 2006, 41, 863-874.	1.6	15
43	Precise determination of PGE in a GSI reference sample JP-1 by ID-ICPMS after nickel sulfide fire assay preconcentration. <i>Geochemical Journal</i> , 2003, 37, 531-536.	1.0	30
44	A New Source of Basaltic Meteorites Inferred from Northwest Africa 011. <i>Science</i> , 2002, 296, 334-336.	12.6	130
45	Nuclear Decay Properties of the Neutron-Deficient Actinides. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 34-37.	1.3	1
46	Trace Analysis of Extraterrestrial Matters. <i>Radioisotopes</i> , 2001, 50, 113-115.	0.2	0
47	Neutron capture effects on samarium, europium, and gadolinium in Apollo 15 deep drill core samples. <i>Meteoritics and Planetary Science</i> , 2000, 35, 581-589.	1.6	34
48	Reevaluation of formation of metal nodules in ordinary chondrites. <i>Meteoritics and Planetary Science</i> , 1998, 33, 993-998.	1.6	17
49	Precise determination of rare earth elements, thorium and uranium in chondritic meteorites by inductively coupled plasma mass spectrometry – a comparative study with radiochemical neutron activation analysis. <i>Analytica Chimica Acta</i> , 1997, 338, 237-246.	5.4	55
50	ICP-MS Analysis of Geological Standard Rocks for Yttrium, Lanthanoids, Thorium and Uranium. <i>Analytical Sciences</i> , 1996, 12, 917-922.	1.6	30
51	Re, Os and Ir in Antarctic unequilibrated ordinary chondrites and implications for the solar system abundance of Re. <i>Geophysical Research Letters</i> , 1995, 22, 2167-2170.	4.0	7
52	Detailed abundances of rare earth elements, thorium and uranium in chondritic meteorites: An ICP-MS study. <i>Meteoritics</i> , 1995, 30, 694-699.	1.4	39
53	Mössbauer spectroscopic study of meteorites recovered on Antarctica. <i>Hyperfine Interactions</i> , 1994, 91, 557-561.	0.5	5
54	Evaluation of Zr and Hf Data for Some Geological Standard Rock Samples. <i>Analytical Sciences</i> , 1994, 10, 43-48.	1.6	8

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55	Half-Lives of Technetium 97, 98. <i>Radiochimica Acta</i> , 1993, 63, 29-32.	1.2	12
56	Instrumental and Radiochemical Neutron Activation Analysis of Trace Iodine in Geological Samples. <i>Analytical Sciences</i> , 1992, 8, 183-187.	1.6	13
57	Epithermal Neutron Activation Analysis of Geological Materials for Trace Indium. <i>Analytical Sciences</i> , 1988, 4, 169-173.	1.6	8
58	Determination of trace zinc, selenium, cadmium, indium and tellurium in meteorites by NAA. <i>Bunseki Kagaku</i> , 1987, 36, 836-841.	0.2	3
59	Reevaluation of Rare Earth Element Abundances in Japanese Standard Rock Samples, JG-1 and JB-1. <i>Analytical Sciences</i> , 1985, 1, 209-213.	1.6	14
60	Separation of Rare Earth Elements and Scandium by Cation Exchange with Particular Reference to Radiochemical Neutron Activation Analysis of Geochemical Samples. <i>Analytical Sciences</i> , 1985, 1, 241-246.	1.6	10
61	Determination of ppm level contents of potassium in silicate materials by means of neutron activation analysis. <i>Bunseki Kagaku</i> , 1985, 34, 761-765.	0.2	3
62	DISTRIBUTION OF RARE EARTH ELEMENTS AND URANIUM IN VARIOUS COMPONENTS OF ORDINARY CHONDRITES. <i>Meteoritics</i> , 1984, 19, 69-77.	1.4	22