

# Tran Thien Thanh

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

340  
citations

933447

10  
h-index

888059

17  
g-index

38  
all docs

38  
docs citations

38  
times ranked

192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness determination of material plates by gamma-ray transmission technique using calibration curves constructed from Monte Carlo simulation. Radiation Physics and Chemistry, 2022, 190, 109821.	2.8	2
2	Non-destructive evaluation of thickness of material plates through Compton back-scattering technique using Si(Li) detector. Radiation Physics and Chemistry, 2022, 193, 109978.	2.8	1
3	Optimization of p-type HPGe detector model using Monte Carlo simulation. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 287-297.	1.5	10
4	Modeling Respiratory Signals by Deformable Image Registration on 4DCT Lung Images. BioMed Research International, 2021, 2021, 1-15.	1.9	0
5	Consistency test of coincidence-summing calculation methods for extended sources. Applied Radiation and Isotopes, 2020, 155, 108921.	1.5	9
6	A simple approach for developing model OF Si(Li) detector in Monte Carlo simulation. Radiation Physics and Chemistry, 2020, 166, 108459.	2.8	6
7	A new approach for determining the thickness of material plate using gamma backscattering method. NDT and E International, 2020, 113, 102281.	3.7	11
8	Active moss biomonitoring technique for atmospheric elemental contamination in Hanoi using proton induced X-ray emission. Journal of Radioanalytical and Nuclear Chemistry, 2020, 325, 515-525.	1.5	6
9	Assessment of radioactivity and chemical contaminants in domestic water at supply stations in Long Phu District, Vietnam, to prevent public health risks. Science of the Total Environment, 2020, 737, 140291.	8.0	3
10	Simultaneous Determination of Gross Alpha/Beta Activities in Groundwater for Ingestion Effective Dose and its Associated Public Health Risk Prevention. Scientific Reports, 2020, 10, 4299.	3.3	11
11	Assessment of atmospheric deposition of metals in Ha Noi using the moss bio-monitoring technique and proton induced X-ray emission. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 43-54.	1.5	5
12	Study of different methods to estimate the Rayleigh to Compton scattering ratio and the effective atomic number ( $10 < Z < 30$ ) using Si(Li) detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163995.	1.6	2
13	A revision of the virtual point detector model for calculating Nai(Tl) detector efficiency. Applied Radiation and Isotopes, 2020, 162, 109179.	1.5	4
14	Mã' phá»ng há»± Āo Rayleigh-Compton bá»±ng ph°Æ;ng phÃ;p Monte Carlo. Tap Chi Khoa Hoc = Journal of Science, 2020, 56(NaturalScience), 63.	0.1	0
15	A benchmark for Monte Carlo simulation in gamma-ray spectrometry. Applied Radiation and Isotopes, 2019, 154, 108850.	1.5	11
16	Assessment of annual effective dose from radium isotopes in groundwater samples in households along the lower Mekong River. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 503-511.	1.5	5
17	Validation of gamma scanning method for optimizing NaI(Tl) detector model in Monte Carlo simulation. Applied Radiation and Isotopes, 2019, 149, 1-8.	1.5	22
18	Validation of an advanced analytical procedure applied to the measurement of environmental radioactivity. Journal of Environmental Radioactivity, 2018, 184-185, 109-113.	1.7	6

#	ARTICLE	IF	CITATIONS
19	New method for processing gamma backscattering spectra to estimate saturation depth and to determine thickness of aluminum and steel materials. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 293-298.	1.5	6
20	Natural and artificial radionuclides in tea samples determined with gamma spectrometry. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 703-707.	1.5	4
21	Optimization of the Monte Carlo simulation model of NaI(Tl) detector by Geant4 code. Applied Radiation and Isotopes, 2017, 130, 75-79.	1.5	25
22	Revision of nuclear data of <sup>235</sup> U and <sup>226</sup> Ra for the 186-keV gamma-ray peak for the determination of activity in environmental samples. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 1273-1277.	1.5	4
23	Validation of radioactive isotope activity measurement in homogeneous waste drum using Monte Carlo codes. Kerntechnik, 2017, 82, 344-348.	0.2	0
24	Intercomparison NaI(Tl) and HPGe spectrometry to studies of natural radioactivity on geological samples. Journal of Environmental Radioactivity, 2016, 164, 197-201.	1.7	16
25	Estimating thickness of the inner dead-layer of n-type HPGe detector. Applied Radiation and Isotopes, 2016, 116, 174-177.	1.5	18
26	A prototype of radioactive waste drum monitor by non-destructive assays using gamma spectrometry. Applied Radiation and Isotopes, 2016, 109, 544-546.	1.5	14
27	A study of the effect of Al <sub>2</sub> O <sub>3</sub> reflector on response function of NaI(Tl) detector. Radiation Physics and Chemistry, 2016, 125, 88-93.	2.8	14
28	A semi-empirical method for measuring thickness of pipe-wall using gamma scattering technique. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 1011-1016.	1.5	10
29	Verification of Compton scattering spectrum of a 662 keV photon beam scattered on a cylindrical steel target using MCNP5 code. Applied Radiation and Isotopes, 2015, 105, 294-298.	1.5	5
30	Advanced gamma spectrum processing technique applied to the analysis of scattering spectra for determining material thickness. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 693-699.	1.5	20
31	Improvement of passive shielding to reduce background components to determinate radioactivity at low energy gamma rays. Kerntechnik, 2014, 79, 247-252.	0.2	2
32	Validation of efficiency transfer for Marinelli geometries. Applied Radiation and Isotopes, 2013, 81, 67-70.	1.5	3
33	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry" part II (volume sources). Applied Radiation and Isotopes, 2012, 70, 2112-2118.	1.5	38
34	Development of program DETSIM to simulate detector's full energy peak efficiency. Kerntechnik, 2012, 77, 449-452.	0.2	0
35	A detailed investigation of interactions within the shielding to HPGe detector response using MCNP code. Kerntechnik, 2012, 77, 458-461.	0.2	0
36	Determination activity of radionuclides in marine sediment by gamma spectrometer with anti cosmic shielding. Journal of Environmental Radioactivity, 2010, 101, 780-783.	1.7	7

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37	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry. Applied Radiation and Isotopes, 2010, 68, 1407-1412.	1.5	40
38	An improved semi-empirical procedure for Compton scattering technique applied to measure pipeline thickness. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	0