

Guembou Shouop CÃ©bastien

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Monte Carlo method for gamma spectrometry based on GEANT4 toolkit: Efficiency calibration of BE6530 detector. <i>Journal of Environmental Radioactivity</i> , 2018, 189, 109-119.	1.7	31
2	Precision measurement of radioactivity in gamma-rays spectrometry using two HPGe detectors (BEGe-6530 and GC0818-7600SL models) comparison techniques: Application to the soil measurement. <i>MethodsX</i> , 2017, 4, 42-54.	1.6	24
3	Assessment of natural radioactivity and associated radiation hazards in sand building material used in Douala Littoral Region of Cameroon, using gamma spectrometry. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	21
4	Assessment of natural radioactivity levels and the associated radiological hazards in some building materials from Mayo-Kebbi region, Chad. <i>Radioprotection</i> , 2018, 53, 265-278.	1.0	16
5	Preliminary assessment of natural radioactivity and associated radiation hazards in a phosphate mining site in southern area of Togo. <i>Radiation Detection Technology and Methods</i> , 2019, 3, 1.	0.8	16
6	Radiological Hazards in Soil from the Bauxite Deposits Sites in Dschang Region of Cameroon. <i>British Journal of Applied Science & Technology</i> , 2015, 5, 342-352.	0.2	15
7	Gamma Emitting Radionuclides in Soils from Selected Areas in Douala-Bassa Zone, Littoral Region of Cameroon. <i>ISRN Spectroscopy</i> , 2014, 2014, 1-8.	0.9	11
8	New Cf-252 neutron source shielding design based Monte Carlo simulation using material combination. <i>AIP Advances</i> , 2020, 10, .	1.3	10
9	Radiological monitoring and statistical approach of primordial and anthropogenic radionuclides in surface soil of Mami-water site in the Western Cameroon. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	9
10	Radiological protection requirements with regard to cosmic ray exposure during air travel. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	8
11	Heavy Metal Pollution Assessment Using Energy-Dispersive X-ray Fluorescence and Multivariate Statistical Approach of Soil from Phosphate Ore Sites, Southern Region of Togo. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	6
12	Shielding design for high-intensity Co-60 and Ir-192 gamma sources used in industrial radiography based on PHITS Monte Carlo simulations. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	5
13	Application of energy dispersive X-ray fluorescence, \hat{I}^3 -ray spectrometry and multivariate statistical approach for the classification of soil/sand from Douala $\hat{a}^{\hat{c}}$ Cameroon. <i>Radiation Physics and Chemistry</i> , 2021, 188, 109589.	2.8	5
14	Determination of the natural radioactivity, elemental composition and geological provenance of sands from Douala in the littoral region of Cameroon using X-ray and \hat{I}^3 -ray spectrometry. <i>Applied Earth Science: Transactions of the Institute of Mining and Metallurgy</i> , 2019, 128, 167-180.	1.0	4
15	Simultaneously gamma spectrometry & energy dispersive X-ray fluorescence-based color differentiation analysis of Douala-Bassa area $\hat{a}^{\hat{c}}$ TM's soil. <i>Environmental Technology and Innovation</i> , 2019, 16, 100486.	6.1	4
16	$^{241}\text{Am}/\text{Be}$ source optimum geometry for DSRS management-based Monte Carlo simulations. <i>AIP Advances</i> , 2021, 11, 115024.	1.3	4
17	Optimal measurement counting time and statistics in gamma spectrometry analysis: The time balance. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
18	Elemental quantification and radioactive characterization of soil from Douala Bassa area: littoral region of Cameroon using X- and \hat{I}^3 -rays spectrometry. <i>Environmental Research Communications</i> , 2019, 1, 065001.	2.3	3

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19	Multivariate statistical assessment of natural radioactivity and radiological hazards data of cement building materials mainly used in Cameroon. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	3
20	Recovering and restitution of unknown, unidentified, and unlabeled samples in laboratories using EDXRF analysis. <i>MethodsX</i> , 2021, 8, 101435.	1.6	2
21	Monte Carlo optimum management of ²⁴¹ Am/ ^{Be} disused sealed radioactive sources. <i>Scientific Reports</i> , 2022, 12, 1183.	3.3	2
22	Elemental characterization of quartzite of Pouma sub-division of Cameroon and radiation attenuation properties based on XCOM and GEANT4 Monte Carlo simulation. <i>Radiation Effects and Defects in Solids</i> , 2022, 177, 688-705.	1.2	1
23	Barite concrete-based cement composites for ²⁵² Cf spontaneous neutron and ⁶⁰ Co/ ¹⁹² Ir shielding based on Monte Carlo computation. <i>Materials Research Express</i> , 2022, 9, 045502.	1.6	0