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List of Publications by Year in descending order

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204
papers

2,636
citations

257429

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40
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204
all docs

204
docs citations

204
times ranked

1248
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation and growth of tracks in nuclear track materials. Materials Science and Engineering Reports, 2004, 46, 51-123.	31.8	334
2	Computer program TRACK_TEST for calculating parameters and plotting profiles for etch pits in nuclear track materials. Computer Physics Communications, 2006, 174, 160-165.	7.5	86
3	Radioactivity of some domestic and imported building materials from South Eastern Europe. Radiation Measurements, 2007, 42, 1731-1736.	1.4	59
4	Three-dimensional analytical determination of the track parameters: over-etched tracks. Radiation Measurements, 2003, 37, 39-45.	1.4	57
5	A theoretical approach to indoor radon and thoron distribution. Journal of Environmental Radioactivity, 2008, 99, 1829-1833.	1.7	55
6	Effects of stirring on the bulk etch rate of CR-39 detector. Radiation Measurements, 2003, 36, 141-143.	1.4	54
7	Vertical profile of ¹³⁷ Cs in soil. Applied Radiation and Isotopes, 2004, 61, 1487-1492.	1.5	48
8	Input files with ORNL's mathematical phantoms of the human body for MCNP-4B. Computer Physics Communications, 2007, 176, 33-37.	7.5	48
9	Heavy metals, organics and radioactivity in soil of western Serbia. Journal of Hazardous Materials, 2010, 177, 697-702.	12.4	47
10	Radioactivity levels and heavy metals in the urban soil of Central Serbia. Environmental Science and Pollution Research, 2015, 22, 16732-16741.	5.3	45
11	Long-term measurements of radon progeny concentrations with solid-state nuclear track detectors. Radiation Measurements, 2005, 40, 560-568.	1.4	44
12	Exposure of school children to polycyclic aromatic hydrocarbons, heavy metals and radionuclides in the urban soil of Kragujevac city, Central Serbia. Chemosphere, 2016, 146, 68-74.	8.2	41
13	Measuring depths of sub-micron tracks in a CR-39 detector from replicas using Atomic Force Microscopy. Radiation Measurements, 2005, 40, 380-383.	1.4	40
14	Comparative studies of etching mechanisms of CR-39 in NaOH/H ₂ O and NaOH/ethanol. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 300-305.	1.4	39
15	Effects of stirring on the bulk etch rate of LR 115 detector. Radiation Measurements, 2003, 37, 197-200.	1.4	36
16	Calculations of track parameters and plots of track openings and wall profiles in CR39 detector. Radiation Measurements, 2003, 37, 595-601.	1.4	34
17	Assessment of environmental radon hazard using human respiratory tract models. Journal of Hazardous Materials, 2006, 132, 98-110.	12.4	34
18	Three dimensional analytical determination of the track parameters. Radiation Measurements, 2000, 32, 277-282.	1.4	32

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19	Bulk etching rate of LR115 detectors. Applied Radiation and Isotopes, 2002, 57, 275-278.	1.5	31
20	Simple preparation of thin CR-39 detectors for alpha-particle radiobiological experiments. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 290-293.	1.4	31
21	Computer program TRACK_VISION for simulating optical appearance of etched tracks in CR-39 nuclear track detectors. Computer Physics Communications, 2008, 178, 591-595.	7.5	31
22	Simulation of the track growth and determining the track parameters. Radiation Measurements, 1997, 28, 185-190.	1.4	30
23	Alpha-particle-induced bystander effects between zebrafish embryos in vivo. Radiation Measurements, 2009, 44, 1077-1080.	1.4	29
24	A fast method to measure the thickness of removed layer from etching of SSNTD based on EDXRF. Radiation Measurements, 2003, 36, 161-164.	1.4	26
25	Are radon gas measurements adequate for epidemiological studies and case control studies of radon-induced lung cancer?. Radiation Protection Dosimetry, 2005, 113, 233-235.	0.8	25
26	Calculating the Calibration Coefficient For Radon Measurements With the Bare LR 115-II Track Detector. Health Physics, 1992, 62, 239-244.	0.5	21
27	Comparison among alpha-particle energy losses in air obtained from data of SRIM, ICRU and experiments. Applied Radiation and Isotopes, 2003, 59, 363-366.	1.5	21
28	Field experience on indoor radon, thoron and their progenies with solid-state detectors in a survey of Kosovo and Metohija (Balkan region). Radiation Protection Dosimetry, 2012, 152, 189-197.	0.8	21
29	Non-destructive measurement of active-layer thickness of LR 115 SSNTD. Radiation Measurements, 2004, 38, 1-3.	1.4	20
30	Determination of Calibration Coefficient for Radon Measurements Using a Track Detector. Health Physics, 1993, 64, 628-632.	0.5	19
31	Chemical etching characteristics for cellulose nitrate. Materials Chemistry and Physics, 2006, 95, 307-312.	4.0	19
32	Behavior of ²²⁰ Rn progeny in diffusion chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 182-186.	1.6	19
33	Transfer factors of natural radionuclides and ¹³⁷ Cs from soil to plants used in traditional medicine in central Serbia. Journal of Environmental Radioactivity, 2016, 158-159, 81-88.	1.7	19
34	Radon transport through concrete and determination of its diffusion coefficient. Radiation Protection Dosimetry, 2003, 104, 65-70.	0.8	18
35	Absorbed dose in target cell nuclei and dose conversion coefficient of radon progeny in the human lung. Journal of Environmental Radioactivity, 2006, 89, 18-29.	1.7	18
36	Theoretical basis for long-term measurements of equilibrium factors using LR 115 detectors. Applied Radiation and Isotopes, 2004, 61, 1431-1435.	1.5	17

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37	Microdosimetric calculation of absorption fraction and the resulting dose conversion factor for radon progeny. <i>Radiation and Environmental Biophysics</i> , 2001, 40, 207-211.	1.4	16
38	Measurement of bulk etch rate of LR115 detector with atomic force microscopy. <i>Radiation Measurements</i> , 2002, 35, 571-573.	1.4	16
39	Effects of different deposition models on the calculated dose conversion factors from ²²² Rn progeny. <i>Journal of Environmental Radioactivity</i> , 2002, 61, 305-318.	1.7	16
40	Deposition fractions of ²¹⁸ Po in diffusion chambers. <i>Applied Radiation and Isotopes</i> , 2003, 59, 49-52.	1.5	16
41	Explicit finite difference solution of the diffusion equation describing the flow of radon through soil. <i>Applied Radiation and Isotopes</i> , 2011, 69, 237-240.	1.5	16
42	Monte Carlo studies on photon interactions in radiobiological experiments. <i>PLoS ONE</i> , 2018, 13, e0193575.	2.5	16
43	Distributions of Specific Energy in Sensitive Layers of the Human Respiratory Tract. <i>Radiation Research</i> , 2002, 157, 92-98.	1.5	15
44	Experimental study of track density distribution on LR115 detector and deposition fraction of ²¹⁸ Po in diffusion chamber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 491, 470-473.	1.6	15
45	EXTERNAL DOSES TO HUMANS FROM ¹³⁷ Cs IN SOIL. <i>Health Physics</i> , 2006, 91, 249-257.	0.5	15
46	Equilibrium factor determination using SSNTDs. <i>Radiation Measurements</i> , 2008, 43, S357-S363.	1.4	15
47	Passive monitoring of the equilibrium factor inside a radon exposure chamber using bare LR 115 SSNTDs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 564, 319-323.	1.6	14
48	Theoretical calculation of radon emanation fraction. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 336, 19-25.	1.4	14
49	The influence of thoron and its progeny on radon measurements with CR39 detectors in diffusion chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998, 419, 175-180.	1.6	13
50	Indoor Dose Conversion Coefficients for Radon Progeny for Different Ambient Environments. <i>Environmental Science & Technology</i> , 2001, 35, 2136-2140.	10.0	13
51	Absorbed dose delivered by alpha particles calculated in cylindrical geometry. <i>Journal of Environmental Radioactivity</i> , 2002, 60, 293-305.	1.7	13
52	Application of the ray tracing method in studying tracks in SSNTDs. <i>Radiation Measurements</i> , 2005, 40, 375-379.	1.4	13
53	Radon progeny behavior in diffusion chamber. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 239, 399-406.	1.4	13
54	Influence of bending on power distribution in step-index plastic optical fibers and the calculation of bending loss. <i>Applied Optics</i> , 2006, 45, 6675.	2.1	13

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55	Bulk and track etch properties of CR-39 SSNTD etched in NaOH/ethanol. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 284-289.	1.4	13
56	Optical appearance of alpha particle tracks in CR-39 SSNTD. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 271-278.	1.4	13
57	Effects of UVC irradiation on alpha-particle track parameters in CR-39. Radiation Measurements, 2008, 43, S98-S101.	1.4	13
58	Optical appearance of alpha-particle tracks in CR-39 SSNTDs. Radiation Measurements, 2008, 43, S128-S131.	1.4	13
59	MONTE CARLO CALCULATIONS OF LR115 DETECTOR RESPONSE TO 222RN IN THE PRESENCE OF 220RN. Health Physics, 2000, 78, 414-419.	0.5	12
60	Profiles and parameters of tracks in the LR115 detector irradiated with alpha particles. Nuclear Instruments & Methods in Physics Research B, 2002, 196, 105-112.	1.4	12
61	Solving the track wall equation by the finite difference method. Radiation Measurements, 2008, 43, S76-S78.	1.4	12
62	A calibration method for realistic neutron dosimetry in radiobiological experiments assisted by MCNP simulation. Journal of Radiation Research, 2016, 57, 492-498.	1.6	12
63	Characteristics of Protons Exiting from a Polyethylene Converter Irradiated by Neutrons with Energies between 1 keV and 10 MeV. PLoS ONE, 2016, 11, e0157627.	2.5	12
64	A computer program TRACK_P for studying proton tracks in PADC detectors. SoftwareX, 2016, 5, 74-79.	2.6	12
65	Conversion coefficients for determination of dispersed photon dose during radiotherapy: NRUrad input code for MCNP. PLoS ONE, 2017, 12, e0174836.	2.5	12
66	Absorbed fraction of alpha-particles emitted in bifurcation regions of the human tracheo-bronchial tree. Radiation and Environmental Biophysics, 2003, 42, 49-53.	1.4	11
67	ROOM MODEL WITH THREE MODAL DISTRIBUTIONS OF ATTACHED RADON PROGENY. Health Physics, 2004, 87, 405-409.	0.5	11
68	Analyses of light scattered from etched alpha-particle tracks in PADC. Radiation Measurements, 2008, 43, 1417-1422.	1.4	11
69	Numerical solving of the track wall equation in LR115 detectors etched in direct and reverse directions. Radiation Measurements, 2009, 44, 57-62.	1.4	11
70	Effects of different lung morphometry models on the calculated dose conversion factor from Rn progeny. Journal of Environmental Radioactivity, 2000, 47, 263-277.	1.7	10
71	Alpha hit frequency due to radon decay products in human lung cells. International Journal of Radiation Biology, 2001, 77, 559-565.	1.8	10
72	Determination of the soil-to-grass transfer of ¹³⁷ Cs and its relation to several soil properties at various locations in Serbia. Isotopes in Environmental and Health Studies, 2007, 43, 65-73.	1.0	10

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73	Derivation of V function for LR 115 SSNTD from its sensitivity to ^{220}Rn in a diffusion chamber. Applied Radiation and Isotopes, 2007, 65, 313-317.	1.5	10
74	Deposition rates of unattached and attached radon progeny in room with turbulent airflow and ventilation. Journal of Environmental Radioactivity, 2009, 100, 585-589.	1.7	10
75	Long-term determination of airborne concentrations of unattached and attached radon progeny using stacked LR 115 detector with multi-step etching. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 245-250.	1.6	10
76	Long-term determination of airborne radon progeny concentrations using LR 115 solid-state nuclear track detectors. Radiation Measurements, 2011, 46, 1799-1802.	1.4	10
77	Efficiency of whole-body counter for various body size calculated by MCNP5 software. Radiation Protection Dosimetry, 2012, 152, 179-183.	0.8	10
78	Realistic dosimetry for studies on biological responses to X-rays and β -rays. Journal of Radiation Research, 2017, 58, 729-736.	1.6	10
79	Monte Carlo studies on neutron interactions in radiobiological experiments. PLoS ONE, 2017, 12, e0181281.	2.5	10
80	Alpha-particle lineal energy spectra for the human lung. International Journal of Radiation Biology, 2002, 78, 605-609.	1.8	9
81	Study of inhomogeneity in thickness of LR 115 detector with SEM and Form Talysurf. Radiation Measurements, 2003, 36, 245-248.	1.4	9
82	Absorbed fraction of radon progeny in human bronchial airways with bifurcation geometry. International Journal of Radiation Biology, 2003, 79, 175-180.	1.8	9
83	Measurement of parameters of tracks in CR-39 detector from replicas. Radiation Protection Dosimetry, 2004, 111, 93-96.	0.8	9
84	Sensitivity of LR 115 SSNTD in a diffusion chamber. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 306-310.	1.4	9
85	Bulk etch characteristics of colorless LR 115 SSNTD. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 294-299.	1.4	9
86	The dose of gamma radiation from building materials and soil. Nukleonika, 2015, 60, 951-958.	0.8	9
87	Study of CR-39 and Makrofol efficiency for radon measurements. Radiation Measurements, 2018, 117, 19-23.	1.4	9
88	Studies on unfolding energy spectra of neutrons using maximum-likelihood expectationâ€“maximization method. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	9
89	High annual radon concentration in dwellings and natural radioactivity content in nearby soil in some rural areas of Kosovo and Metohija. Nuclear Technology and Radiation Protection, 2013, 28, 60-67.	0.8	9
90	Sensitivity of radon measurements with CR-39 track etch detector â€” A Monte Carlo study. Radiation Measurements, 1995, 25, 647-648.	1.4	8

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91	Uncertainty in radon measurements with CR39 detector due to unknown deposition of ^{218}Po . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 450, 568-572.	1.6	8
92	Radon progeny dose conversion coefficients for Chinese males and females. Journal of Environmental Radioactivity, 2001, 56, 327-340.	1.7	8
93	Feasibility and limitation of track studies using atomic force microscopy. Nuclear Instruments & Methods in Physics Research B, 2002, 197, 293-300.	1.4	8
94	Exposures to ^{222}Rn and its progeny derived from implanted ^{210}Po activity. Radiation Measurements, 2006, 41, 101-107.	1.4	8
95	Alpha-particle radiobiological experiments using thin CR-39 detectors. Radiation Protection Dosimetry, 2006, 122, 160-162.	0.8	8
96	A study of the polyethylene membrane used in diffusion chambers for radon gas concentration measurements. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 311-316.	1.4	8
97	Determination of alpha-particle track depths in CR-39 detector from their cross-sections and replica heights. Nuclear Instruments & Methods in Physics Research B, 2007, 263, 266-270.	1.4	8
98	Derivation of V function for LR 115 SSNTD from its partial sensitivity to ^{222}Rn and its short-lived progeny. Journal of Environmental Radioactivity, 2007, 92, 55-61.	1.7	8
99	A simulation of neutron interaction from Am^{241}Be source with the CR-39 detector. Radiation Measurements, 2010, 45, 1338-1341.	1.4	8
100	Relationship between deposition and attachment rates in Jacobi room model. Journal of Environmental Radioactivity, 2010, 101, 349-352.	1.7	8
101	Calculation of the effective dose from natural radioactivity in soil using MCNP code. Applied Radiation and Isotopes, 2010, 68, 946-947.	1.5	8
102	Computer program Neutron_CR-39 for simulation of neutrons from an Am^{241}Be source and calculation of proton track profiles. Computer Physics Communications, 2011, 182, 1536-1542.	7.5	8
103	Computer program for the sensitivity calculation of a CR-39 detector in a diffusion chamber for radon measurements. Review of Scientific Instruments, 2014, 85, 022102.	1.3	8
104	Theoretical feasibility study on neutron spectrometry with the polyallyldiglycol carbonate (PADC) solid-state nuclear track detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 771, 134-138.	1.6	8
105	Determination of deposition behaviour of from track density distribution on SSNTD in diffusion chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 437, 531-537.	1.6	7
106	Incidence characteristics of alpha particles on detectors irradiated in a radon + progeny atmosphere. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 492-498.	1.4	7
107	Sensitivity of LR115 detector in diffusion chamber to ^{222}Rn in the presence of ^{220}Rn . Applied Radiation and Isotopes, 2002, 56, 953-956.	1.5	7
108	Differentiation between tracks and damages in SSNTD under the atomic force microscope. Radiation Measurements, 2003, 36, 155-159.	1.4	7

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109	Killing of target cells due to radon progeny in the human lung. Radiation Protection Dosimetry, 2006, 122, 534-536.	0.8	7
110	An Analytical Approach and Optimization of Curvature Gauge. Journal of Physics: Conference Series, 2006, 48, 850-858.	0.4	7
111	A further study of the (CRâ€“LR) difference technique for retrospective radon exposure assessment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 792-798.	1.6	7
112	Gamma and beta doses in human organs due to radon progeny in human lung. Radiation Protection Dosimetry, 2009, 135, 197-202.	0.8	7
113	DETERMINATION OF PARAMETERS OF THE JACOBI ROOM MODEL USING THE BROWNIAN MOTION MODEL. Health Physics, 2009, 96, 48-54.	0.5	7
114	Assessment of indoor absorbed gamma dose rate from natural radionuclides in concrete by the method of build-up factors. Radiation Protection Dosimetry, 2014, 162, 609-617.	0.8	7
115	Monte Carlo calculations of lung dose in ORNL phantom for boron neutron capture therapy. Radiation Protection Dosimetry, 2014, 161, 269-273.	0.8	7
116	Analysis of radon and thoron progeny measurements based on air filtration. Radiation Protection Dosimetry, 2015, 163, 333-340.	0.8	7
117	Is high indoor radon concentration correlated with specific activity of radium in nearby soil? A study in Kosovo and Metohija. Environmental Science and Pollution Research, 2017, 24, 19561-19568.	5.3	7
118	Distribution of alpha particle tracks on CR-39 detector in radon diffusion chamber. Radiation Physics and Chemistry, 2021, 181, 109340.	2.8	7
119	Three-dimensional model of track growth: Comparison with other models. Nuclear Technology and Radiation Protection, 2003, 18, 24-30.	0.8	7
120	Effective dose estimation for the population in Kragujevac due to the Chernobyl accident. Journal of Environmental Radioactivity, 1997, 34, 253-266.	1.7	6
121	Sensitivity of LR 115 detectors in hemispherical chambers for radon measurements. Nuclear Instruments & Methods in Physics Research B, 2004, 217, 637-643.	1.4	6
122	The recoil factor of. Journal of Aerosol Science, 2004, 35, 1041-1050.	3.8	6
123	Comparison among different models of track growth and experimental data. Radiation Measurements, 2006, 41, 253-256.	1.4	6
124	Room model with three modal distributions of attached ²²⁰ Rn progeny and dose conversion factor. Radiation Protection Dosimetry, 2007, 123, 95-102.	0.8	6
125	Probability of bystander effect induced by alpha-particles emitted by radon progeny using the analytical model of tracheobronchial tree. Radiation Protection Dosimetry, 2010, 142, 168-173.	0.8	6
126	Calculation of dose rate conversion factors for ²³⁸ U, ²³² Th and ⁴⁰ K in concrete structures of various dimensions, with application to Nis, Serbia. Radiation Protection Dosimetry, 2012, 152, 361-368.	0.8	6

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127	Application of MCNP5 Software for Efficiency Calculation of a Whole Body Counter. Health Physics, 2012, 102, 657-663.	0.5	6
128	New method for determination of diffraction light pattern of the arbitrary surface. Optics and Laser Technology, 2017, 90, 90-95.	4.6	6
129	Bronchial dosimeter for radon progeny. Applied Radiation and Isotopes, 2001, 55, 707-713.	1.5	5
130	Light scattering from an assembly of tracks in a PADC film. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 545-551.	1.6	5
131	CALCULATION OF INDOOR EFFECTIVE DOSE FACTORS IN ORNL PHANTOMS SERIES DUE TO NATURAL RADIOACTIVITY IN BUILDING MATERIALS. Health Physics, 2009, 97, 299-302.	0.5	5
132	Doses in human organs due to alpha, beta and gamma radiations emitted by thoron progeny in the lung. Radiation Protection Dosimetry, 2010, 141, 428-431.	0.8	5
133	Doses from beta radiation in sensitive layers of human lung and dose conversion factors due to ²²² Rn/ ²²⁰ Rn progeny. Radiation and Environmental Biophysics, 2011, 50, 431-440.	1.4	5
134	Neutron detection by a CR-39 detector and analysis of proton tracks etched in the same and opposite directions. Radiation Protection Dosimetry, 2014, 161, 108-111.	0.8	5
135	Determination of a CR-39 detector response to neutrons from an Am ²⁴¹ Be source. Applied Radiation and Isotopes, 2014, 90, 225-228.	1.5	5
136	²²² Rn and ²²⁰ Rn diffusion in two mediums. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 857, 16-23.	1.6	5
137	Monte Carlo calculation of organ dose coefficients for internal dosimetry: Results of an international intercomparison exercise. Radiation Measurements, 2021, 148, 106661.	1.4	5
138	Relationship between the ²¹⁰ Po activity incorporated in the surface of an object and the potential $\dot{\Gamma}_{\pm}$ -energy concentration. Journal of Environmental Radioactivity, 2000, 47, 45-55.	1.7	4
139	Comparison of dose conversion factors for radon progeny from the ICRP 66 regional model and an airway tube model of tracheo-bronchial tree. Radiation and Environmental Biophysics, 2006, 45, 153-157.	1.4	4
140	Radon transport through concrete and determination of its diffusion coefficient. Radiation Protection Dosimetry, 2007, 128, 516-516.	0.8	4
141	Conversion coefficients for age-dependent ORNL phantoms from ¹³⁷ Cs in soil as a source of external exposure. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 540-543.	1.6	4
142	Surface effect of ultraviolet radiation on electrochemically etched alpha-particle tracks in PADC. Radiation Measurements, 2008, 43, S102-S105.	1.4	4
143	Doses from radon progeny as a source of external beta and gamma radiation. Radiation and Environmental Biophysics, 2012, 51, 391-397.	1.4	4
144	Long-term measurements of unattached radon progeny concentrations using solid-state nuclear track detectors. Applied Radiation and Isotopes, 2012, 70, 1104-1106.	1.5	4

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145	Measurement of radon exhalation rates from some building materials used in Serbian construction. Journal of Radioanalytical and Nuclear Chemistry, 2014, 303, 1943.	1.5	4
146	Databank of proton tracks in polyallyldiglycol carbonate (PADC) solid-state nuclear track detector for neutron energy spectrometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 802, 97-101.	1.6	4
147	Modeling kV X-ray-Induced Coloration in Radiochromic Films. Applied Sciences (Switzerland), 2018, 8, 106.	2.5	4
148	Is Kragujevac city still a "hot spot" area, twenty years after the bombing?. Chemosphere, 2020, 245, 125610.	8.2	4
149	Stopping power. Projectile and target modeled as oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 290-298.	2.1	3
150	Response of diffusion chamber with LR115 detector and electret to radon and progeny. Radiation Measurements, 2009, 44, 783-786.	1.4	3
151	Probability of bystander effect per mSv induced by $\hat{\pm}$ -particle radiation. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 751-755.	1.5	3
152	Dependence of the probability of biological effects per hit, induced by radiation emitted by ^{222}Rn , from alpha particle energies and the geometry of tracheobronchial tree. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 939-944.	1.5	3
153	Defect generation in non-nitrided and nitrided sputtered gate oxides under post-irradiation Fowler-Nordheim constant current stress. Microelectronic Engineering, 2013, 104, 90-94.	2.4	3
154	MCNP simulation of the dose distribution in liver cancer treatment for BNC therapy. Open Physics, 2014, 12, .	1.7	3
155	The accuracy of radon and thoron progeny concentrations measured through air filtration. Journal of Environmental Radioactivity, 2015, 140, 50-58.	1.7	3
156	Time dependence of ^{222}Rn , ^{220}Rn and their progenies'™ distributions in a diffusion chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 872, 93-99.	1.6	3
157	Alpha-particle fluence in radiobiological experiments. Journal of Radiation Research, 2017, 58, 195-200.	1.6	3
158	Energy window of Makrofol for alpha particle detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 938, 10-13.	1.6	3
159	Rn progeny diffusion, deposition and track distribution in diffusion chamber with permeable membrane. Radiation Measurements, 2019, 124, 146-157.	1.4	3
160	Photon albedo for water, concrete, and iron at normal incidence, and dependence on the thickness of reflecting material. Nuclear Technology and Radiation Protection, 2013, 28, 36-44.	0.8	3
161	Correlations between track parameters in a solid-state nuclear track detector and its diffraction pattern. Radiation Physics and Chemistry, 2022, 193, 109986.	2.8	3
162	A Study of Amplifying the Response of an LR115 Solid State Track Detector by Combining It with Electret. Health Physics, 1995, 69, 944-948.	0.5	2

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163	Absorbed fraction and dose conversion coefficients of alpha particles for radon dosimetry. <i>Physics in Medicine and Biology</i> , 2001, 46, 1963-1974.	3.0	2
164	Effects of End-Face Tilt Angle on Numerical Aperture for Straight and Bent Plastic Optical Fibers. <i>Fiber and Integrated Optics</i> , 2007, 26, 111-122.	2.5	2
165	Calculation of stopping power for partially stripped ions using an oscillator model. <i>European Physical Journal D</i> , 2007, 42, 397-406.	1.3	2
166	Retrospective radon progeny measurements through measurements of ²¹⁰ Po activities on glass objects using stacked LR 115 detectors. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 5050-5055.	1.4	2
167	Retrospective radon progeny measurements for dwellings based on implanted activities in glass objects. <i>Radiation Measurements</i> , 2008, 43, S427-S430.	1.4	2
168	Long-term determination of airborne radon progeny concentrations using LR 115 detectors and the effects of thoron. <i>Radiation Protection Dosimetry</i> , 2010, 141, 404-407.	0.8	2
169	Applied mathematical modeling for calculating the probability of the cell killing per hit in the human lung. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 290, 607-613.	1.5	2
170	Hit probability of a disk shaped detector with particles with a finite range emitted by a point-like source. <i>Applied Radiation and Isotopes</i> , 2011, 69, 875-879.	1.5	2
171	Specific energy distribution within cytoplasm and nucleoplasm of a typical mammalian cell due to various beta radionuclides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1723-1730.	1.5	2
172	Modeling Coloration of a Radiochromic Film with Molecular Dynamics-Coupled Finite Element Method. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1031.	2.5	2
173	MCNPX CALCULATIONS OF SPECIFIC ABSORBED FRACTIONS IN SOME ORGANS OF THE HUMAN BODY DUE TO APPLICATION OF ¹³³ Xe, ^{99m} Tc and ^{81m} Kr RADIONUCLIDES. <i>Radiation Protection Dosimetry</i> , 2018, 178, 422-429.	0.8	2
174	Propagation of light from dipole source and generalization of Fresnel-Kirchhoff integral. <i>Optik</i> , 2019, 180, 447-454.	2.9	2
175	A preliminary survey of natural radionuclides in soil and indoor radon in the town of NiÅ¡, Serbia. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 329, 671-677.	1.5	2
176	Determination of the V function for CR-39 by atomic force microscope. , 2005, , 29-34.		2
177	The dose from radioactivity of covering construction materials in Serbia. <i>Nuclear Technology and Radiation Protection</i> , 2015, 30, 287-293.	0.8	2
178	Ecological studies of the naturally occurring radionuclides, ¹³⁷ Cs and heavy metals in soil, plants and milk in surrounding of Kragujevac city, Serbia. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 1285-1298.	1.5	2
179	Simulation of the skim-off method in radon measurement by activated charcoal. <i>Applied Radiation and Isotopes</i> , 2001, 55, 121-124.	1.5	1
180	QUALITY FACTORS FOR ALPHA PARTICLES IN THE HUMAN RESPIRATORY TRACT. <i>Health Physics</i> , 2003, 84, 652-654.	0.5	1

#	ARTICLE	IF	CITATIONS
181	Influence of variability of ^{214}Pb recoil factor on lung dose. <i>Radiation Protection Dosimetry</i> , 2004, 109, 197-199.	0.8	1
182	Long-term measurements of radon progeny concentrations with LR 115 SSNTDs. <i>International Congress Series</i> , 2005, 1276, 217-218.	0.2	1
183	Long-term measurements of equilibrium factor with electrochemically etched CR-39 SSNTD. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 263, 279-283.	1.4	1
184	Absorbed fractions for electrons and beta particles in sensitive regions of human respiratory tract. <i>Radiation and Environmental Biophysics</i> , 2008, 47, 139-145.	1.4	1
185	EXPERT SYSTEM FOR ANALYSIS OF SPECTRA IN NUCLEAR METROLOGY. <i>International Journal of Modern Physics C</i> , 2008, 19, 1763-1775.	1.7	1
186	Micro-collimators fabricated by chemical etching of thin polyallyldiglycol carbonate polymer films exposed to oxygen ions. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 631, 6-11.	1.6	1
187	Monte Carlo simulation of Goos-Hänchen shifts in multimode step-index plastic optical fibres. <i>Physica Scripta</i> , 2012, T149, 014029.	2.5	1
188	Detection efficiency of a disk shaped detector with a critical detection angle for particles with a finite range emitted by a point-like source. <i>Applied Radiation and Isotopes</i> , 2012, 70, 528-532.	1.5	1
189	Monte Carlo investigation of electron specific energy distribution in a single cell model. <i>Radiation and Environmental Biophysics</i> , 2020, 59, 161-171.	1.4	1
190	Voxel model of a rabbit: assessment of absorbed doses in organs after CT examination performed by two different protocols. <i>Radiation and Environmental Biophysics</i> , 2021, 60, 631-638.	1.4	1
191	Debugging of ORNL Series of Mathematical Phantoms of Human Body. <i>Acta Physica Polonica A</i> , 2011, 119, 279-281.	0.5	1
192	Measurement of radon concentration in kindergartens and schools in Nis, Serbia. <i>Facta Universitatis - Series Physics Chemistry and Technology</i> , 2019, 17, 191-197.	0.5	1
193	Dose assessment with MCNP5/X code for boron neutron capture therapy of pancreas cancer. <i>Nuclear Technology and Radiation Protection</i> , 2021, 36, 294-298.	0.8	1
194	Comment on "Radon-222 signatures of natural ventilation regimes in an underground quarry [Journal of Environmental Radioactivity 71 (2004) 17-32; 72 (2004) 369-370]". <i>Journal of Environmental Radioactivity</i> , 2005, 78, 247-248.	1.7	0
195	Probability of cell transformation effect per mSv induced by β -particle radiation. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 298, 1341-1346.	1.5	0
196	First step of indoor thoron mapping of Kosovo and Metohija. <i>Radiation Protection Dosimetry</i> , 2014, 162, 157-162.	0.8	0
197	EFFECT OF BUILDUP FACTORS ON INDOOR GAMMA DOSE RATE. <i>Radiation Protection Dosimetry</i> , 2020, 190, 132-138.	0.8	0
198	Influence of electron motion in target atom on stopping power for low-energetic ions. <i>Nuclear Technology and Radiation Protection</i> , 2012, 27, 113-116.	0.8	0

#	ARTICLE	IF	CITATIONS
199	The radioactivity of bricks produced in Serbia. Facta Universitatis - Series Physics Chemistry and Technology, 2016, 14, 53-59.	0.5	0
200	Simple method for numerical solving of Schroedinger equation for hydrogen atom in electric field. Nuclear Technology and Radiation Protection, 2018, 33, 239-245.	0.8	0
201	Calculation of absorbed dose due to the 90Y-DOTATOC peptide receptor radionuclide therapy by MCNP5/X. Nuclear Technology and Radiation Protection, 2018, 33, 380-385.	0.8	0
202	COMPUTATIONAL DOSIMETRY- INTERNATIONAL COMPARISON OF DIFFERENT SIMULATIONAL SOFTWARE WITHIN EURADOS ORGANISATION 2021ICCBIG (2021). , 2021, , .		0
203	RADIOACTIVITY ASSESSMENT OF NATURAL RADIONUCLIDES AND 137CS IN COMMONLY CONSUMED FOODS. , 2021, , .		0
204	DOSIMETRIC COMPARISON OF VMAT AND 3D CONFORMAL RADIOTHERAPY IN PREOPERATIVE RECTAL CANCER. , 2021, , .		0