

François Bochud

List of Publications by Year in descending order

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Version: 2024-02-01

153
papers

5,329
citations

126907

33
h-index

95266

68
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155
all docs

155
docs citations

155
times ranked

3704
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of ultra-high versus conventional dose rate radiotherapy in a patient with cutaneous lymphoma. <i>Radiotherapy and Oncology</i> , 2022, 174, 87-91.	0.6	39
2	Technical note: Validation of an ultrahigh dose rate pulsed electron beam monitoring system using a current transformer for FLASH preclinical studies. <i>Medical Physics</i> , 2022, 49, 1831-1838.	3.0	19
3	Passive Sampling Tool for Actinides in Spent Nuclear Fuel Pools. <i>ACS Omega</i> , 2022, 7, 20053-20058.	3.5	4
4	Bioavailable actinide fluxes to the Irish Sea from Sellafield-labelled sediments. <i>Water Research</i> , 2022, 221, 118838.	11.3	3
5	Hypofractionated FLASH-RT as an Effective Treatment against Glioblastoma that Reduces Neurocognitive Side Effects in Mice. <i>Clinical Cancer Research</i> , 2021, 27, 775-784.	7.0	144
6	Detailed study of the distribution of activation inside the magnet coils of a compact PET cyclotron. <i>Applied Radiation and Isotopes</i> , 2021, 168, 109446.	1.5	3
7	Commissioning of an ultra-high dose rate pulsed electron beam medical LINAC for FLASH RT preclinical animal experiments and future clinical human protocols. <i>Medical Physics</i> , 2021, 48, 3134-3142.	3.0	51
8	Characteristics of very high-energy electron beams for the irradiation of deep-seated targets. <i>Medical Physics</i> , 2021, 48, 3958-3967.	3.0	14
9	The use of dose quantities in radiological protection: ICRP publication 147 Ann ICRP 50(1) 2021. <i>Journal of Radiological Protection</i> , 2021, 41, 410-422.	1.1	19
10	Geant4-DNA Modeling of Water Radiolysis beyond the Microsecond: An On-Lattice Stochastic Approach. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6023.	4.1	10
11	Determination of the gamma and X-ray emission intensities of terbium-161. <i>Applied Radiation and Isotopes</i> , 2021, 174, 109770.	1.5	3
12	Novel DGT Configurations for the Assessment of Bioavailable Plutonium, Americium, and Uranium in Marine and Freshwater Environments. <i>Analytical Chemistry</i> , 2021, 93, 11937-11945.	6.5	7
13	Activity standardisation of ²²³ Ra. <i>Applied Radiation and Isotopes</i> , 2021, 174, 109788.	1.5	2
14	Determination of the gamma and X-ray emission intensities of erbium-169. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109823.	1.5	4
15	Ytterbium-175 half-life determination. <i>Applied Radiation and Isotopes</i> , 2021, 176, 109893.	1.5	3
16	Implementation and validation of a beam-current transformer on a medical pulsed electron beam LINAC for FLASH-RT beam monitoring. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 165-171.	1.9	28
17	Break-even dose level for hypofractionated treatment schedules. <i>Medical Physics</i> , 2021, 48, 7534-7540.	3.0	2
18	Validation of Monte Carlo dose calculation algorithm for CyberKnife multileaf collimator. <i>Journal of Applied Clinical Medical Physics</i> , 2021, , .	1.9	3

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19	Retrospective analysis of the impact of respiratory motion in treatment margins for frameless lung SBRT based on respiratory-correlated CBCT datasets. Journal of Applied Clinical Medical Physics, 2020, 21, 170-178.	1.9	2
20	Impact of the phantom geometry on the evaluation of the minimum detectable activity following a radionuclide intake: From physical to numerical phantoms. Radiation Measurements, 2020, 139, 106485.	1.4	2
21	In Regard to van Marlen et al. International Journal of Radiation Oncology Biology Physics, 2020, 107, 1012-1013.	0.8	6
22	Ethical aspects in the use of radiation in medicine: update from ICRP Task Group 109. Annals of the ICRP, 2020, 49, 143-153.	3.8	10
23	Activity standardisation of ¹⁶¹ Tb. Applied Radiation and Isotopes, 2020, 166, 109411.	1.5	5
24	Exploration of clinical preferences in treatment planning of radiotherapy for prostate cancer using Pareto fronts and clinical grading analysis. Physics and Imaging in Radiation Oncology, 2020, 14, 82-86.	2.9	3
25	Determination of ¹⁶¹ Tb half-life by three measurement methods. Applied Radiation and Isotopes, 2020, 159, 109085.	1.5	25
26	Use of portable gamma spectrometers for triage monitoring following the intake of conventional and novel radionuclides. Radiation Measurements, 2020, 136, 106426.	1.4	4
27	Evaluation of digital pulse processing techniques for a ¹²⁵ I- ¹³¹ I coincidence counting system. Applied Radiation and Isotopes, 2020, 159, 109100.	1.5	1
28	Origin and stability of uranium accumulation-layers in an Alpine histosol. Science of the Total Environment, 2020, 727, 138368.	8.0	7
29	Measurement of the useful field of view for single slices of different imaging modalities and targets. Journal of Medical Imaging, 2020, 7, 1.	1.5	10
30	Optimization of Alanine Measurements for Fast and Accurate Dosimetry in FLASH Radiation Therapy. Radiation Research, 2020, 194, 573-579.	1.5	16
31	Radionuclides in the Environment in Switzerland: A Retrospective Study of Transfer from Soil to the Human Body. Chimia, 2020, 74, 984-988.	0.6	0
32	The Advantage of FLASH Radiotherapy Confirmed in Mini-pig and Cat-cancer Patients. Clinical Cancer Research, 2019, 25, 35-42.	7.0	430
33	Development and validation of a double focalizing magnetic spectrometer for beta spectrum measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162384.	1.6	2
34	Treatment of a first patient with FLASH-radiotherapy. Radiotherapy and Oncology, 2019, 139, 18-22.	0.6	406
35	Clinical translation of FLASH radiotherapy: Why and how?. Radiotherapy and Oncology, 2019, 139, 11-17.	0.6	294
36	Dosimetric and preparation procedures for irradiating biological models with pulsed electron beam at ultra-high dose-rate. Radiotherapy and Oncology, 2019, 139, 34-39.	0.6	92

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37	Long-term neurocognitive benefits of FLASH radiotherapy driven by reduced reactive oxygen species. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10943-10951.	7.1	326
38	Detecting intake of radionuclides: In vivo screening measurements with conventional radiation protection instruments. Radiation Measurements, 2019, 122, 126-132.	1.4	4
39	Determination of ⁸⁹ Sr and ⁹⁰ Sr in fresh cow milk and raw urine using crystalline synthetic tunnel manganese oxides and layered metal sulfides. Analytica Chimica Acta, 2019, 1047, 267-274.	5.4	8
40	Determination of the effective dose delivered by image guided radiotherapy in head & neck and breast treatments. Zeitschrift Fur Medizinische Physik, 2018, 28, 276-285.	1.5	5
41	Model of ambient dose equivalent for radium contamination: Dependence on the geometry of the source. Journal of Environmental Radioactivity, 2018, 192, 698-708.	1.7	1
42	Analysis of the treatment plan evaluation process in radiotherapy through eye tracking. Zeitschrift Fur Medizinische Physik, 2018, 28, 318-324.	1.5	7
43	High dose-rate pulse electron beam dosimetry: Commissioning of the Oriatron eRT6 prototype linear accelerator for preclinical use. Medical Physics, 2018, 45, 863-874.	3.0	143
44	Determination of ²²⁶ Ra at low levels in environmental, urine, and human bone samples and ²²³ Ra in bone biopsy using alpha-spectrometry and metrological traceability to ²²⁹ Th/ ²²⁵ Ra or ²²⁶ Ra. Analytica Chimica Acta, 2018, 1031, 178-184.	5.4	3
45	A portable precision ionization chamber: The transfer ionization reference chamber. Applied Radiation and Isotopes, 2018, 134, 95-99.	1.5	6
46	Fast digital ⁴ π ² ~ ⁴ π ³ coincidence counting with offline analysis at IRA. Applied Radiation and Isotopes, 2018, 134, 329-336.	1.5	7
47	A treatment planning comparison of contemporary photon-based radiation techniques for breast cancer. Physics and Imaging in Radiation Oncology, 2018, 7, 32-38.	2.9	8
48	A resampling comparison of CHO's detectability index bias and uncertainty. , 2018, , .		0
49	Assessment of low contrast detection in CT using model observers: Developing a clinically-relevant tool for characterising adaptive statistical and model-based iterative reconstruction. Zeitschrift Fur Medizinische Physik, 2017, 27, 86-97.	1.5	7
50	On decay constants and orbital distance to the Sun" part I: alpha decay. Metrologia, 2017, 54, 1-18.	1.2	39
51	On decay constants and orbital distance to the Sun" part III: beta plus and electron capture decay. Metrologia, 2017, 54, 36-50.	1.2	32
52	High dose-rate pulse electron beam dosimetry " A model to correct for the ion recombination in the Advanced Markus ionization chamber. Medical Physics, 2017, 44, 1157-1167.	3.0	141
53	Irradiation in a flash: Unique sparing of memory in mice after whole brain irradiation with dose rates above 100 Gy/s. Radiotherapy and Oncology, 2017, 124, 365-369.	0.6	410
54	Evidence of plutonium bioavailability in pristine freshwaters of a karst system of the Swiss Jura Mountains. Geochimica Et Cosmochimica Acta, 2017, 206, 30-39.	3.9	5

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55	Implementation of Tomo<sc>EDGE</sc> in the independent dose calculator CheckTomo. Journal of Applied Clinical Medical Physics, 2017, 18, 92-99.	1.9	4
56	Objective comparison of high-contrast spatial resolution and low-contrast detectability for various clinical protocols on multiple <sc>CT</sc> scanners. Medical Physics, 2017, 44, e153-e163.	3.0	14
57	On the reverse micelle effect in liquid scintillation counting. Applied Radiation and Isotopes, 2017, 125, 94-107.	1.5	7
58	Modeling of geogenic radon in Switzerland based on ordered logistic regression. Journal of Environmental Radioactivity, 2017, 166, 376-381.	1.7	32
59	A clinical distance measure for evaluating treatment plan quality difference with Pareto fronts in radiotherapy. Physics and Imaging in Radiation Oncology, 2017, 3, 53-56.	2.9	4
60	On decay constants and orbital distance to the Sun”part II: beta minus decay. Metrologia, 2017, 54, 19-35.	1.2	29
61	La protection ABCN en Suisse, 10 ans de coordination. Radioprotection, 2016, 51, 11-17.	1.0	0
62	Difference in performance between 3D and 4D CBCT for lung imaging: a dose and image quality analysis. Journal of Applied Clinical Medical Physics, 2016, 17, 97-106.	1.9	25
63	Comparison of low-contrast detectability between two CT reconstruction algorithms using voxel-based 3D printed textured phantoms. Medical Physics, 2016, 43, 6497-6506.	3.0	55
64	Impact of respiratory-correlated CT sorting algorithms on the choice of margin definition for free-breathing lung radiotherapy treatments. Radiotherapy and Oncology, 2016, 119, 438-443.	0.6	7
65	Probing the Kinetic Parameters of Plutonium”Naturally Occurring Organic Matter Interactions in Freshwaters Using the Diffusive Gradients in Thin Films Technique. Environmental Science & Technology, 2016, 50, 5103-5110.	10.0	14
66	On the stability of ³ H and ⁶³ Ni Ultima Gold liquid scintillation sources. Applied Radiation and Isotopes, 2016, 118, 25-31.	1.5	9
67	Evidence against solar influence on nuclear decay constants. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 281-286.	4.1	48
68	Determination of ¹³⁷ Cs half-life with an ionization chamber. Applied Radiation and Isotopes, 2016, 118, 215-220.	1.5	11
69	Design, fabrication, and implementation of voxel-based 3D printed textured phantoms for task-based image quality assessment in CT. Proceedings of SPIE, 2016, , .	0.8	2
70	Discrepancies between selected Pareto optimal plans and final deliverable plans in radiotherapy multi-criteria optimization. Radiotherapy and Oncology, 2016, 120, 346-348.	0.6	17
71	PATIENT EXPOSURE OPTIMISATION THROUGH TASK-BASED ASSESSMENT OF A NEW MODEL-BASED ITERATIVE RECONSTRUCTION TECHNIQUE. Radiation Protection Dosimetry, 2016, 169, 68-72.	0.8	9
72	BENCHMARKING OF CT FOR PATIENT EXPOSURE OPTIMISATION. Radiation Protection Dosimetry, 2016, 169, 78-83.	0.8	1

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73	Objective assessment of low contrast detectability in computed tomography with Channelized Hotelling Observer. <i>Physica Medica</i> , 2016, 32, 76-83.	0.7	40
74	²¹⁰ Po poisoning as possible cause of death: forensic investigations and toxicological analysis of the remains of Yasser Arafat. <i>Forensic Science International</i> , 2016, 259, 1-9.	2.2	6
75	OBJECTIVE TASK-BASED ASSESSMENT OF LOW-CONTRAST DETECTABILITY IN ITERATIVE RECONSTRUCTION. <i>Radiation Protection Dosimetry</i> , 2016, 169, 73-77.	0.8	8
76	Speciation and Bioavailability Measurements of Environmental Plutonium Using Diffusion in Thin Films. <i>Journal of Visualized Experiments</i> , 2015, , e53188.	0.3	5
77	Example of Monte Carlo uncertainty assessment in the field of radionuclide metrology. <i>Metrologia</i> , 2015, 52, S42-S50.	1.2	7
78	Set-up of a new TDCR counter at IRA-METAS. <i>Applied Radiation and Isotopes</i> , 2015, 97, 113-117.	1.5	9
79	Calibration of the Politrack(R) system based on CR39 solid-state nuclear track detectors for passive indoor radon concentration measurements. <i>Radiation Protection Dosimetry</i> , 2015, 167, 302-305.	0.8	5
80	Improved predictive mapping of indoor radon concentrations using ensemble regression trees based on automatic clustering of geological units. <i>Journal of Environmental Radioactivity</i> , 2015, 147, 51-62.	1.7	30
81	Derivation of an Observer Model Adapted to Irregular Signals Based on Convolution Channels. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1428-1435.	8.9	12
82	Image quality in CT: From physical measurements to model observers. <i>Physica Medica</i> , 2015, 31, 823-843.	0.7	190
83	Eye-tracking of nodule detection in lung CT volumetric data. <i>Medical Physics</i> , 2015, 42, 2925-2932.	3.0	16
84	Predictive analysis and mapping of indoor radon concentrations in a complex environment using kernel estimation: An application to Switzerland. <i>Science of the Total Environment</i> , 2015, 505, 137-148.	8.0	28
85	A critical evaluation of secondary cancer risk models applied to Monte Carlo dose distributions of 2-dimensional, 3-dimensional conformal and hybrid intensity-modulated radiation therapy for breast cancer. <i>Physics in Medicine and Biology</i> , 2014, 59, 4697-4722.	3.0	16
86	Anthropogenic radionuclides in atmospheric air over Switzerland during the last few decades. <i>Nature Communications</i> , 2014, 5, 3030.	12.8	43
87	Dating young Holocene coastal sediments in tropical regions: Use of fallout ^{239,240} Pu as alternative chronostratigraphic marker. <i>Quaternary Geochronology</i> , 2014, 22, 1-10.	1.4	25
88	Preliminary beta spectrum measurements using a magnetic spectrometer. <i>Applied Radiation and Isotopes</i> , 2014, 87, 310-314.	1.5	2
89	A DGT Technique for Plutonium Bioavailability Measurements. <i>Environmental Science & Technology</i> , 2014, 48, 10829-10834.	10.0	17
90	Major influencing factors of indoor radon concentrations in Switzerland. <i>Journal of Environmental Radioactivity</i> , 2014, 129, 7-22.	1.7	65

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91	Dating human skeletal remains using ⁹⁰ Sr and ²¹⁰ Pb: Case studies. Forensic Science International, 2014, 234, 190.e1-190.e6.	2.2	7
92	Development, design and validation of solid reference samples. Applied Radiation and Isotopes, 2014, 87, 480-484.	1.5	2
93	Design of anthropomorphic textured phantoms for CT performance evaluation. Proceedings of SPIE, 2014, , .	0.8	10
94	Stability of the Helical TomoTherapy HiArt II detector for treatment beam irradiations. Journal of Applied Clinical Medical Physics, 2014, 15, 119-127.	1.9	5
95	Model-based iterative reconstruction in pediatric chest CT: assessment of image quality in a prospective study of children with cystic fibrosis. Pediatric Radiology, 2013, 43, 558-567.	2.0	75
96	Effects of computing parameters and measurement locations on the estimation of 3D NPS in non-stationary MDCT images. Physica Medica, 2013, 29, 684-694.	0.7	11
97	Evaluation of organ-specific peripheral doses after 2-dimensional, 3-dimensional and hybrid intensity modulated radiation therapy for breast cancer based on Monte Carlo and convolution/superposition algorithms: Implications for secondary cancer risk assessment. Radiotherapy and Oncology, 2013, 106, 33-41.	0.6	60
98	Iterative reconstruction methods in two different MDCT scanners: Physical metrics and 4-alternative forced-choice detectability experiments – A phantom approach. Physica Medica, 2013, 29, 99-110.	0.7	167
99	TU-E-103-01: Image Quality Models in Advanced CT Applications. Medical Physics, 2013, 40, 449-450.	3.0	0
100	SU-C-141-05: Impact of Respiratory-Correlated CT Reconstruction Algorithms in the Choice of Margin Definition for Free Breathing Lung Treatment. Medical Physics, 2013, 40, 92-92.	3.0	0
101	Swiss Population Exposure to Radiation by Interventional Radiology in 2008. Health Physics, 2012, 103, 317-321.	0.5	5
102	EXPOSURE OF THE SWISS POPULATION BY MEDICAL X-RAYS. Health Physics, 2012, 102, 263-270.	0.5	38
103	An audit of diagnostic reference levels in interventional cardiology and radiology: are there differences between academic and non-academic centres?. Radiation Protection Dosimetry, 2012, 148, 74-82.	0.8	22
104	A new measurement of the half-life of ^{166m} Ho. Applied Radiation and Isotopes, 2012, 70, 1990-1996.	1.5	18
105	Comment on The human sex odds at birth after the atmospheric atomic bomb tests, after Chernobyl, and in the vicinity of nuclear facilities, Hagen Scherb & Kristina Voigt Environ, Sci Pollut Res (2011) 18:697–707. Environmental Science and Pollution Research, 2012, 19, 2456-2459.	5.3	4
106	Comment faire fonctionner un institut universitaire en service d'intervention radiologique ?. Radioprotection, 2011, 46, 359-371.	1.0	1
107	Determining the activity of ²⁴¹ Pu by liquid scintillation counting. Journal of Radioanalytical and Nuclear Chemistry, 2011, 289, 375-379.	1.5	6
108	Paediatric cardiac CT examinations: impact of the iterative reconstruction method ASIR on image quality – preliminary findings. Pediatric Radiology, 2011, 41, 1154-1164.	2.0	65

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109	Calibration of surface contamination monitors for the detection of iodine incorporation in the thyroid gland. Radiation Protection Dosimetry, 2011, 144, 505-509.	0.8	4
110	3D noise power spectrum applied on clinical MDCT scanners: effects of reconstruction algorithms and reconstruction filters. Proceedings of SPIE, 2011, , .	0.8	4
111	Variability of a peripheral dose among various linac geometries for second cancer risk assessment. Physics in Medicine and Biology, 2011, 56, 5131-5151.	3.0	46
112	SU-E-T-46: Evaluation of Different Cancer Risk Models on Second Cancer Risk Calculation for Conventional Breast Cancer Radiation Therapy. Medical Physics, 2011, 38, 3496-3496.	3.0	0
113	Activity measurements of ¹⁸ F and ⁹⁰ Y with commercial radionuclide calibrators for nuclear medicine in Switzerland. Applied Radiation and Isotopes, 2010, 68, 1388-1391.	1.5	4
114	Standardisation of ¹⁸ F by a coincidence method using full solid angle detectors. Applied Radiation and Isotopes, 2010, 68, 1309-1313.	1.5	15
115	Seven years of gamma-ray spectrometry interlaboratory comparisons in Switzerland. Applied Radiation and Isotopes, 2010, 68, 1256-1260.	1.5	2
116	Fluoroscopy-guided procedures in cardiology: is patient exposure being reduced over time?. Radiation Protection Dosimetry, 2010, 139, 271-274.	0.8	8
117	Criteria for establishing shielding of multi-detector computed tomography (MDCT) rooms. Radiation Protection Dosimetry, 2010, 139, 403-409.	0.8	4
118	Potential benefit of the CT adaptive statistical iterative reconstruction method for pediatric cardiac diagnosis. Proceedings of SPIE, 2010, , .	0.8	5
119	Using a NPWE model observer to assess suitable image quality for a digital mammography quality assurance programme. Radiation Protection Dosimetry, 2010, 139, 459-462.	0.8	5
120	Retention half times in the skeleton of plutonium and ⁹⁰ Sr from above-ground nuclear tests: A retrospective study of the Swiss population. Chemosphere, 2010, 80, 519-524.	8.2	39
121	SUâ€ˆGGâ€ˆTâ€ˆ422: Evaluation of the Variability in Peripheral Dose between Different Linacs for 6MV Beams and Comparison with an Existing Monte Carlo Linac Model. Medical Physics, 2010, 37, 3283-3283.	3.0	0
122	Physical considerations on discrepancies in target volume delineation. Zeitschrift Fur Medizinische Physik, 2009, 19, 224-235.	1.5	14
123	A comparison of alpha and gamma spectrometry for environmental natural radioactivity surveys. Applied Radiation and Isotopes, 2008, 66, 215-222.	1.5	53
124	Purification and activity standardisation of a ¹⁶⁶ mHo solution. Applied Radiation and Isotopes, 2008, 66, 900-904.	1.5	5
125	CT radiation dose in children: a survey to establish age-based diagnostic reference levels in Switzerland. European Radiology, 2008, 18, 1980-1986.	4.5	149
126	Mammographic texture synthesis: second-generation clustered lumpy backgrounds using a genetic algorithm. Optics Express, 2008, 16, 7595.	3.4	37

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127	Quality Initiatives Radiation Risk: What You Should Know to Tell Your Patient. Radiographics, 2008, 28, 1807-1816.	3.3	110
128	TH-D-352-07: Absolute Dose Determination of Helical Tomotherapy: Comparison Between Several Methods. Medical Physics, 2008, 35, 2995-2995.	3.0	1
129	WEâ€€â€³32â€€01: A Unified Dose Indicator for Tomographic Acquisition Modalities. Medical Physics, 2008, 35, 2957-2957.	3.0	0
130	Performance comparison of two commercial BGO-based PET/CT scanners using NEMA NU 2-2001. Medical Physics, 2007, 34, 2708-2717.	3.0	17
131	Number of X-ray examinations performed on paediatric and geriatric patients compared with adult patients. Radiation Protection Dosimetry, 2007, 123, 402-408.	0.8	6
132	Semiautomatic Mammographic Parenchymal Patterns Classification Using Multiple Statistical Features. Academic Radiology, 2007, 14, 1486-1499.	2.5	30
133	CT Dose Optimization When Changing to CT Multi-Detector Row Technology. Current Problems in Diagnostic Radiology, 2007, 36, 176-184.	1.4	16
134	Calibration of an HPGc detector and self-attenuation correction for 210Pb: Verification by alpha spectrometry of 210Po in environmental samples. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 515-522.	1.6	9
135	Absolute activity measurement of radon gas at IRA-METAS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 752-759.	1.6	25
136	Simple Monte-Carlo method to calibrate well-type HPGc detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 790-795.	1.6	22
137	Comparison of calculated spectra for the interaction of photons in a liquid scintillator. Example of 54Mn 835keV emission. Applied Radiation and Isotopes, 2006, 64, 1471-1480.	1.5	21
138	Use of Dipicolinate-Based Complexes for Producing Ion-Imprinted Polystyrene Resins for the Extraction of Yttrium-90 and Heavy Lanthanide Cations. Chemistry - A European Journal, 2006, 12, 6852-6864.	3.3	43
139	Nodule detection in digital chest radiography: part of image background acting as pure noise. Radiation Protection Dosimetry, 2005, 114, 102-108.	0.8	45
140	Calibration and testing of a TLD dosimeter for area monitoring. Radiation Protection Dosimetry, 2004, 110, 705-710.	0.8	4
141	Calibration of dosimeters used in mammography with different X ray qualities: Euromet Project No. 526. Radiation Protection Dosimetry, 2004, 108, 33-45.	0.8	15
142	Automated computer evaluation and optimization of image compression of x-ray coronary angiograms for signal known exactly detection tasks. Optics Express, 2003, 11, 460.	3.4	89
143	Measurement of Human-observer Responses With a 2-AFC Experiment. Zeitschrift Fur Medizinische Physik, 1999, 9, 48-54.	1.5	1
144	Estimation of the noisy component of anatomical backgrounds. Medical Physics, 1999, 26, 1365-1370.	3.0	138

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145	Statistical texture synthesis of mammographic images with super-blob lumpy backgrounds. Optics Express, 1999, 4, 33.	3.4	113
146	Comparison of Subjective and Objective Evaluation of Screen-Film Systems for Chest Radiography. Radiation Protection Dosimetry, 1998, 80, 265-268.	0.8	1
147	European Survey of Image Quality Assessment Methods Used in Mammography. Radiation Protection Dosimetry, 1998, 80, 73-76.	0.8	4
148	Image quality and dose in spiral computed tomography. European Radiology, 1996, 6, 485-8.	4.5	21
149	Survey on image quality and dose levels used in Europe for mammography. British Journal of Radiology, 1996, 69, 762-768.	2.2	11
150	Volume Rendering Techniques Applied to Magnetic Resonance Angiography. Zeitschrift Fur Medizinische Physik, 1994, 4, 41-45.	1.5	0
151	Ion-imprinted resin for use in an automated solid phase extraction system for determining ⁹⁰ Sr in environmental and human samples. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	3
152	A Practical Guide to Model Observers for Visual Detection in Synthetic and Natural Noisy Images. , 0, , 593-628.		37
153	Modeling Visual Detection Tasks in Correlated Image Noise with Linear Model Observers. , 0, , 629-654.		17