

# Diana Adliene

## List of Publications by Year in descending order

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57  
papers

464  
citations

840728

11  
h-index

794568

19  
g-index

60  
all docs

60  
docs citations

60  
times ranked

421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and characterization of new tungsten and tantalum containing composites for radiation shielding in medicine. Nuclear Instruments & Methods in Physics Research B, 2020, 467, 21-26.	1.4	56
2	From inequitable to sustainable e-waste processing for reduction of impact on human health and the environment. Environmental Research, 2021, 194, 110728.	7.5	55
3	Levels of <sup>14</sup> C in the Terrestrial Environment in the Vicinity of Two European Nuclear Power Plants. Radiocarbon, 2004, 46, 863-868.	1.8	33
4	Application of optical methods for dose evaluation in normoxic polyacrylamide gels irradiated at two different geometries. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 741, 88-94.	1.6	25
5	Modification of Ag@PVP nanocomposites by gamma irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1562-1567.	3.5	22
6	Lead Free Multilayered Polymer Composites for Radiation Shielding. Polymers, 2022, 14, 1696.	4.5	22
7	Carbon-14 levels in the vicinity of the Lithuanian nuclear power plant Ignalina. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 530-535.	1.4	20
8	Stress and strain in DLC films induced by electron bombardment. Vacuum, 2009, 83, S159-S161.	3.5	17
9	Radiation induced changes in amorphous hydrogenated DLC films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 152, 91-95.	3.5	16
10	Liquid radiation detectors based on nanosilver surface plasmon resonance phenomena. Radiation Protection Dosimetry, 2010, 139, 353-356.	0.8	14
11	In vivo dose verification method in catheter based high dose rate brachytherapy. Physica Medica, 2017, 44, 1-10.	0.7	14
12	<title>What is worse: decreased spatial resolution or increased noise?</title>. , 2002, 4686, 338.		11
13	In vivoTLD dose measurements in catheter-based high-dose-rate brachytherapy. Radiation Protection Dosimetry, 2015, 165, 477-481.	0.8	10
14	New application of polymer gels in medical radiation dosimetry: Plasmonic sensors. Radiation Physics and Chemistry, 2020, 168, 108609.	2.8	10
15	First approach to ionizing radiation based 3D printing: fabrication of free standing dose gels using high energy gamma photons. Nuclear Instruments & Methods in Physics Research B, 2018, 435, 246-250.	1.4	9
16	Assessment of the environmental contamination with long-lived radionuclides around an operating RBMK reactor station. Journal of Environmental Radioactivity, 2006, 90, 68-77.	1.7	8
17	Application of 3D Gel Dosimetry as a Quality Assurance Tool in Functional Leksell Gamma Knife Radiosurgery. Gels, 2022, 8, 69.	4.5	8
18	Acoustic emission induced by ion implantation. Nuclear Instruments & Methods in Physics Research, 1983, 209-210, 357-362.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Modification of amorphous DLC films induced by MeV photon irradiation. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2788-2792.	1.4	7
20	Evaluation of new transparent tungsten containing nanocomposites for radiation protection screens. Radiation Protection Dosimetry, 2015, 165, 406-409.	0.8	7
21	Outdoor air pollution from industrial chemicals causing new onset of asthma or COPD: a systematic review protocol. Journal of Occupational Medicine and Toxicology, 2020, 15, 38.	2.2	7
22	Problems with film processing in medical X-ray imaging in Lithuania. Radiation Protection Dosimetry, 2005, 114, 260-263.	0.8	6
23	Development of Patient Specific Conformal 3D-Printed Devices for Dose Verification in Radiotherapy. Applied Sciences (Switzerland), 2021, 11, 8657.	2.5	6
24	Optimisation of X-ray examinations in Lithuania: start of implementation in mammography. Radiation Protection Dosimetry, 2005, 114, 399-402.	0.8	5
25	Noble gas radionuclides in RBMK-1500-type reactor. Applied Radiation and Isotopes, 2007, 65, 836-842.	1.5	5
26	Fabrication influence on the surface morphology and structure of vapour etched porous silicon. Lithuanian Journal of Physics, 2011, 51, 237-247.	0.4	5
27	Pilot Study of Polymerization Dynamics in nMAG Dose Gel. Gels, 2022, 8, 288.	4.5	5
28	Electrical properties of the diamond like carbon films irradiated with high energy photons. Journal of Physics: Conference Series, 2008, 100, 072036.	0.4	4
29	Neutron sources in spent nuclear fuel of RBMK-1500 type reactor. Lithuanian Journal of Physics, 2004, 44, 59-65.	0.4	4
30	Development and Characterization of Silver Containing Free Standing Polymer FILMS for Dosimetry Applications. Polymers, 2021, 13, 3925.	4.5	4
31	Acoustic emission initiated by penetrating ions. Nuclear Instruments & Methods in Physics Research B, 1985, 6, 435-438.	1.4	3
32	Comparison of Monte Carlo-simulated scattering processes of low-energy photons in radiation detector materials. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 73-76.	1.6	3
33	Holograms recording with pulsed laser on diazonaphthoquinone-novolac-based photoresists and their nanocomposites. Optical Engineering, 2014, 53, 097101.	1.0	3
34	Low energy deposition patterns in irradiated phantom with metal artefacts inside: a comparison between FLUKA Monte Carlo simulation and GafChromic EBT2 film measurements. Nuclear Instruments & Methods in Physics Research B, 2020, 478, 142-149.	1.4	3
35	Application of polymer dose gels for millimeter scale target/tumor pre-treatment imitation using gamma knife facility. Nuclear Instruments & Methods in Physics Research B, 2020, 470, 56-60.	1.4	3
36	Mechanical properties of the X-ray irradiated DLC films containing SiO <sub>x</sub> as a constructive element for radiation detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 188-191.	1.6	2

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37	The resulting skin dose in two-view mammography examinations. Radiation Protection Dosimetry, 2010, 139, 298-302.	0.8	2
38	The role of shielding in superficial X-ray therapy. Radiation Protection Dosimetry, 2011, 147, 291-295.	0.8	2
39	Master-holograms recorded with pulsed laser on photoresist. Proceedings of SPIE, 2014, , .	0.8	2
40	SIMPLE SURFACE PLASMON RESONANCE-BASED DOSEMETER. Radiation Protection Dosimetry, 2016, 169, 336-339.	0.8	2
41	In situ assessment of X-ray induced changes in polymerized gels using surface plasmon resonance detector. Nuclear Instruments & Methods in Physics Research B, 2018, 435, 236-241.	1.4	2
42	Electron Beam Induced Modification of Polymer-Like Carbon Coatings. Acta Physica Polonica A, 2013, 123, 871-873.	0.5	2
43	Quantitative comparison of different dosimetry methods in orthovoltage X-ray therapy. Radiation Physics and Chemistry, 2022, 197, 110128.	2.8	2
44	Surface Morphology Changes of Bleached Dental Ceramics. Applied Sciences (Switzerland), 2022, 12, 4557.	2.5	2
45	Optical properties of diamond-like carbon films irradiated by X-ray photons. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3414-3416.	0.8	1
46	Low energy X-ray radiation impact on coated Si constructions. Radiation Physics and Chemistry, 2010, 79, 1031-1038.	2.8	1
47	Discrepancy between absorbed dose estimated from phantom measurements and from estimates using data on individual head sizes in head CT examinations. Radiation Protection Dosimetry, 2010, 139, 186-190.	0.8	1
48	Application of Dose Gels in HDR Brachytherapy. IFMBE Proceedings, 2015, , 724-727.	0.3	1
49	Use of 18F-FDG PET/CT Imaging for Radiotherapy Target Volume Delineation after Induction Chemotherapy and for Prognosis of Locally Advanced Squamous Cell Carcinoma of the Head and Neck. Medicina (Lithuania), 2018, 54, 107.	2.0	1
50	Development of 3D Printed Phantom for Dose Verification in Radiotherapy for the Patient with Metal Artefacts Inside. IFMBE Proceedings, 2019, , 643-647.	0.3	1
51	Temperature Dependent Variations of Properties of Polymer-Like Carbon Coatings Treated with High Energy Electrons. Acta Physica Polonica A, 2015, 128, 915-918.	0.5	1
52	Modelling of the cumulative behaviour of Caesium and Strontium activities in nuclear fuel. Kerntechnik, 2006, 71, 310-315.	0.2	1
53	[P287] Investigation of radiation induced mitotic arrest in irradiated cells. Physica Medica, 2018, 52, 182-183.	0.7	0
54	[P054] Absorbed and effective doses from the intraoral dental X-ray radiography. Physica Medica, 2018, 52, 114-115.	0.7	0

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55	Investigation of X-Ray Attenuation Properties in Water Solutions of Sodium Tungstate Dihydrate and Silicotungstic Acid. Lecture Notes in Networks and Systems, 2019, , 144-149.	0.7	0
56	Modelling of low energy X-ray scattering in radiation detectors with protective coatings. Lithuanian Journal of Physics, 2008, 48, 275-285.	0.4	0
57	Evaluation of Relative Dose Anisotropy in the Nearest Vicinity of Ir-192 Brachytherapy Source. IFMBE Proceedings, 2013, , 1223-1224.	0.3	0