David A Bradley

List of Publications by Year
in descending order

197 papers	3,151 citations	172457 29 h-index	243625 44 g-index
197 all docs	197 docs citations	197 times ranked	1664 citing authors

#	Article	IF	Citations
1	Studies of ionizing radiation shielding effectiveness of silica-based commercial glasses used in Bangladeshi dwellings. Results in Physics, 2018, 9, 541-549.	4.1	144
2	The potential use of boron containing resources for protection against nuclear radiation. Radiation Physics and Chemistry, 2021, 188, 109601.	2.8	104
3	Review of doped silica glass optical fibre: Their TL properties and potential applications in radiation therapy dosimetry. Applied Radiation and Isotopes, 2012, 71, 2-11.	1.5	84
4	Review of development of a silica-based thermoluminescence dosimeter. Radiation Physics and Chemistry, 2005, 74, 459-481.	2.8	80
5	The radiation shielding offered by the commercial glass installed in Bangladeshi dwellings. Radiation Effects and Defects in Solids, 2018, 173, 657-672.	1.2	66
6	An evaluation of the natural radioactivity in Andaman beach sand samples of Thailand after the 2004 tsunami. Applied Radiation and Isotopes, 2012, 70, 1467-1474.	1.5	64
7	Heavy metals in human teeth dentine: A bio-indicator of metals exposure and environmental pollution. Chemosphere, 2017, 176, 221-230.	8.2	63
8	The thermoluminescence response of Ge-doped optical fibre subjected to photon irradiation. Radiation Physics and Chemistry, 2001, 61, 409-410.	2.8	62
9	The presence of radioactive materials in soil, sand and sediment samples of Potenga sea beach area, Chittagong, Bangladesh: Geological characteristics and environmental implication. Results in Physics, 2018, 8, 1268-1274.	4.1	55
10	Evaluation and mitigation of potential errors in radiochromic film dosimetry due to film curvature at scanning. Journal of Applied Clinical Medical Physics, 2015, 16, 425-431.	1.9	53
11	Radiation shielding and mechanical properties of Bi2O3â€“Na2Oâ€“TiO2â€“ZnOâ€“TeO2 glass system. Radiation Physics and Chemistry, 2021, 186, 109556.	2.8	52
12	Assessment of health risk due to the exposure of heavy metals in soil around mega coal-fired cement factory in Nigeria. Results in Physics, 2018, 11, 755-762.	4.1	51
13	Low-dose photon irradiation response of Ge and Al-doped SiO2 optical fibres. Applied Radiation and Isotopes, 2011, 69, 1189-1192.	1.5	48
14	Low-cost commercial glass beads as dosimeters in radiotherapy. Radiation Physics and Chemistry, 2014, 97, 95-101.	2.8	48
15	A novel CaOâ€“K2Oâ€“Na2Oâ€“P2O5 glass systems for radiation shielding applications. Radiation Physics and Chemistry, 2021, 188, 109645.	2.8	48
16	Elevated concentration of radioactive potassium in edible algae cultivated in Malaysian seas and estimation of ingestion dose to humans. Algal Research, 2019, 38, 101386.	4.6	47
17	Structural, Optical, and Antibacterial Efficacy of Pure and Zinc-Doped Copper Oxide Against Pathogenic Bacteria. Nanomaterials, 2021, 11, 451.	4.1	46
18	The thermoluminescence response of doped SiO2 optical fibres subjected to fast neutrons. Applied Radiation and Isotopes, 2010, 68, 700-703.	1.5	45

#	Article	IF	Citations
19	Physics-aspects of dose accuracy in high dose rate (HDR) brachytherapy: source dosimetry, treatment planning, equipment performance and in vivo verification techniques. Journal of Contemporary Brachytherapy, 2012, 2, 81-91.	0.9	43
20	Assessment of Radiation and Heavy Metals Risk due to the Dietary Intake of Marine Fishes (Rastrelliger) Tj ETQq0 0.0 rgBT /Overlock 10	2.5	43
21	Natural radioactivity levels and radiological assessment of decorative building materials in Bangladesh. Indoor and Built Environment, 2016, 25, 541-550.	2.8	42
22	Radiation dose to the Malaysian populace via the consumption of bottled mineral water. Radiation Physics and Chemistry, 2017, 140, 173-179.	2.8	41
23	Study of natural radioactivity in riverbank soils along the Chao Phraya river basin in Thailand. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 920-924.	1.6	40
24	Microplastics pollution in salt pans from the Maheshkhali Channel, Bangladesh. Scientific Reports, 2021, 11, 23187.	3.3	40
25	Sensitive Fibre-Based Thermoluminescence Detectors for High Resolution In-Vivo Dosimetry. Scientific Reports, 2015, 5, 13309.	3.3	36
26	Levels and health risk assessment of heavy metals in dried fish consumed in Bangladesh. Scientific Reports, 2021, 11, 14642.	3.3	36
27	Enhanced Optical and Antibacterial Activity of Hydrothermally Synthesized Cobalt-Doped Zinc Oxide Cylindrical Microcrystals. Materials, 2021, 14, 3223.	2.9	35
28	Occupational radiation exposure in nuclear medicine department in Kuwait. Radiation Physics and Chemistry, 2017, 140, 233-236.	2.8	34
29	Ge-doped optical fibres as thermoluminescence dosimeters for kilovoltage X-ray therapy irradiations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 834-837.	1.6	33
30	Monte Carlo skin dose simulation in intraoperative radiotherapy of breast cancer using spherical applicators. Physics in Medicine and Biology, 2017, 62, 6550-6566.	3.0	33
31	Enhancing the radiation dose detection sensitivity of optical fibres. Applied Radiation and Isotopes, 2015, 100, 43-49.	1.5	30
32	Phytochemicals from Leucas zeylanica Targeting Main Protease of SARS-CoV-2: Chemical Profiles, Molecular Docking, and Molecular Dynamics Simulations. Biology, 2021, 10, 789.	2.8	30
33	Elevated Concentrations of Metal(loids) in Seaweed and the Concomitant Exposure to Humans. Foods, 2021, 10, 381.	4.3	29
34	TERRESTRIAL RADIONUCLIDES IN SURFACE (DAM) WATER AND CONCOMITANT DOSE IN METROPOLITAN KUALA LUMPUR. Radiation Protection Dosimetry, 2019, 185, 343-350.	0.8	28
35	Thermoluminescence Response of Ge- and Al-Doped Optical Fibers Subjected to Low-Dose Electron Irradiation. Journal of Nuclear Science and Technology, 2011, 48, 1115-1117.	1.3	27
36	Development of tailor-made silica fibres for TL dosimetry. Radiation Physics and Chemistry, 2014, 104, 3-9.	2.8	27

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37	Raman spectroscopy and X-ray photo-spectroscopy analysis of graphite media irradiated at low doses. Applied Radiation and Isotopes, 2019, 147, 105-112.	1.5	27
38	Measurement of Natural and Artificial Radioactivity in Infant Powdered Milk and Estimation of the Corresponding Annual Effective Dose. Environmental Engineering Science, 2015, 32, 838-846.	1.6	25
39	Thermoluminescence Response of Ge-Doped Cylindrical-, Flat- and Photonic Crystal Silica-Fibres to Electron and Photon Radiation. PLoS ONE, 2016, 11, e0153913.	2.5	25
40	Ge and B doped collapsed photonic crystal optical fibre, a potential TLD material for low dose measurements. Radiation Physics and Chemistry, 2016, 126, 9-13.	2.8	24
41	Developments in production of silica-based thermoluminescence dosimeters. Radiation Physics and Chemistry, 2017, 137, 37-44.	2.8	23
42	Patient radiation dose reduction using a commercial iterative reconstruction technique package. Radiation Physics and Chemistry, 2021, 178, 108996.	2.8	23
43	Thermoluminescence response of flat optical fiber subjected to 9MeV electron irradiations. Radiation Physics and Chemistry, 2015, 106, 46-49.	2.8	22
44	The localisation of biologically important metals in soft and calcified tissues using a synchrotron xâ€ray fluorescence technique. X-Ray Spectrometry, 2008, 37, 12-20.	1.4	21
45	Metal uptake in chicken giblets and human health implications. Journal of Food Composition and Analysis, 2020, 85, 103332.	3.9	21
46	Assessment of occupational exposure and radiation risks in nuclear medicine departments. Radiation Physics and Chemistry, 2020, 170, 108529.	2.8	20
47	Glass beads and Ge-doped optical fibres as thermoluminescence dosimeters for small field photon dosimetry. Physics in Medicine and Biology, 2014, 59, 6875-6889.	3.0	19
48	Sub kGy photon irradiation alterations in graphite. Applied Radiation and Isotopes, 2020, 161, 109168.	1.5	19
49	Polymer pencil lead graphite for in vivo radiation dosimetry. Diamond and Related Materials, 2020, 106, 107860.	3.9	19
50	Recent Advances in Silica Glass Optical Fiber for Dosimetry Applications. IEEE Photonics Journal, 2020, 12, 1-25.	2.0	19
51	A lanthanum-barium-borovanadate glass containing Bi2O3 for radiation shielding applications. Radiation Physics and Chemistry, 2021, 186, 109557.	2.8	19
52	Natural radioactivity in the prospecting tunnel in Egypt: Dose rate and risk assessment. Radiation Physics and Chemistry, 2021, 187, 109555.	2.8	19
53	Energy response of glass bead TLDs irradiated with radiation therapy beams. Radiation Physics and Chemistry, 2014, 104, 208-211.	2.8	18
54	Collapsed-Hole Ge-Doped Photonic Crystal Fiber as a Diagnostic Radiation Dosimeter. Journal of Lightwave Technology, 2015, 33, 3439-3445.	4.6	18

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55	Thermoluminescence features of commercial glass and retrospective accident dosimetry. Radiation Physics and Chemistry, 2020, 168, 108528.	2.8	18
56	Macroalgae in biomonitoring of metal pollution in the Bay of Bengal coastal waters of Coxâ€™s Bazar and surrounding areas. Scientific Reports, 2021, 11, 20999.	3.3	18
57	Ge-doped silica optical fibres as RL/OSL dosimeters for radiotherapy dosimetry. Sensors and Actuators A: Physical, 2017, 264, 30-39.	4.1	17
58	Commercial kitchenware glass as a potential thermoluminescent media for retrospective dosimetry. Applied Radiation and Isotopes, 2019, 148, 218-224.	1.5	17
59	Estimation of patients organ doses and staff exposure during bone scan examination. Radiation Physics and Chemistry, 2021, 188, 109693.	2.8	17
60	The significance of nuclear data in the production of radionuclides for theranostic/therapeutic applications. Radiation Physics and Chemistry, 2022, 200, 110342.	2.8	17
61	Radioluminescence of Ge-doped silica optical fibre and Al2O3:C dosimeters. Sensors and Actuators A: Physical, 2018, 270, 72-78.	4.1	16
62	Dosimetric utility of structural changes in gamma irradiated graphite-rich pencils. Radiation Physics and Chemistry, 2020, 171, 108703.	2.8	15
63	Renoprotection of Selected Antioxidant-Rich Foods (Water Spinach and Red Grape) and Probiotics in Gentamicin-Induced Nephrotoxicity and Oxidative Stress in Rats. Life, 2022, 12, 60.	2.4	15
64	A New Octagonal Close Ring Resonator Based Dumbbell-Shaped Tuning Fork Perfect Metamaterial Absorber for C- and Ku-Band Applications. Micromachines, 2022, 13, 162.	2.9	15
65	A-Site Cation Size Effect on Structure and Magnetic Properties of Sm(Eu,Gd)Cr0.2Mn0.2Fe0.2Co0.2Ni0.2O3 High-Entropy Solid Solutions. Nanomaterials, 2022, 12, 36.	4.1	15
66	Measurement of radioactivity and heavy metal levels in edible vegetables and their impact on Kuala Selangor communities of Peninsular Malaysia. Radiation Protection Dosimetry, 2015, 167, 165-170.	0.8	14
67	Thermoluminescence response of Ge-doped SiO2 fibres to electrons, X- and Î³-radiation. Radiation Physics and Chemistry, 2016, 121, 115-121.	2.8	14
68	The effect of different dopant concentration of tailor-made silica fibers in radiotherapy dosimetry. Radiation Physics and Chemistry, 2017, 141, 73-77.	2.8	14
69	Studies of the mechanical and neutron shielding features of concrete by incorporation of green additive materials: Experimental and numerical study. Radiation Physics and Chemistry, 2022, 191, 109846.	2.8	14
70	Effect of particle size on the thermoluminescence (TL) response of silica nanoparticles. Radiation Physics and Chemistry, 2015, 117, 102-107.	2.8	13
71	Dose mapping inside a gamma irradiator measured with doped silica fibre dosimetry and Monte Carlo simulation. Radiation Physics and Chemistry, 2017, 140, 107-111.	2.8	13
72	Evaluation of Ge-doped silica fibre TLDs forin vivodosimetry during intraoperative radiotherapy. Physics in Medicine and Biology, 2019, 64, 08NT04.	3.0	13

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73	High Mobility Reactive Sputtered CuxO Thin Film for Highly Efficient and Stable Perovskite Solar Cells. Crystals, 2021, 11, 389.	2.2	13
74	Calculation of secondary radiation absorbed doses due to the proton therapy on breast cancer using MCNPX code. Radiation Physics and Chemistry, 2021, 183, 109427.	2.8	13
75	Diagnostic reference level for computed tomography abdominal examinations: A multicentre study. Radiation Physics and Chemistry, 2020, 174, 108963.	2.8	13
76	Raman spectroscopy biochemical characterisation of bladder cancer cisplatin resistance regulated by FDFT1: a review. Cellular and Molecular Biology Letters, 2022, 27, 9.	7.0	13
77	Angular dependence of optical fibre thermoluminescent dosimeters irradiated using kilo- and megavoltage X-rays. Radiation Physics and Chemistry, 2017, 135, 4-10.	2.8	12
78	Tailor-made Ge-doped silica-glass for clinical diagnostic X-ray dosimetry. Applied Radiation and Isotopes, 2018, 138, 45-49.	1.5	12
79	The Potential Use of Car Windscreens for Post-Accident Dose Reconstruction in the Periphery of Nuclear Installations. Applied Sciences (Switzerland), 2020, 10, 7127.	2.5	12
80	Multivariate visualization of the global COVID-19 pandemic: A comparison of 161 countries. PLoS ONE, 2021, 16, e0252273.	2.5	12
81	Graphite sheets in study of radiation dosimetry and associated investigations of damage. Applied Radiation and Isotopes, 2021, 174, 109769.	1.5	12
82	XRF and thein vivo evaluation of toxicological metals. X-Ray Spectrometry, 1999, 28, 270-274.	1.4	11
83	Measurement of K, Fe, Cu and Zn levels in secondary colorectal liver cancer and surrounding normal liver tissue, and their potential as a tissue classifier. X-Ray Spectrometry, 2009, 38, 81-88.	1.4	11
84	Photon irradiation response of photonic crystal fibres and flat fibres at radiation therapy doses. Applied Radiation and Isotopes, 2014, 90, 258-260.	1.5	11
85	Thermoluminescence dating analysis at the site of an ancient brick structure at Pengkalan Bujang, Malaysia. Applied Radiation and Isotopes, 2015, 105, 182-187.	1.5	11
86	Ionizing radiation shielding effectiveness of decorative building materials (porcelain and ceramic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	2.8	11
87	A review of the applications of Raman spectroscopy for breast cancer tissue diagnostic and their histopathological classification of epithelial to mesenchymal transition. Journal of Raman Spectroscopy, 2020, 51, 380-389.	2.5	11
88	Indication of high lipid content in epithelial-mesenchymal transitions of breast tissues. Scientific Reports, 2021, 11, 3250.	3.3	11
89	Occupational exposure and radiobiological risk from thyroid radioiodine therapy in Saudi Arabia. Scientific Reports, 2021, 11, 14557.	3.3	11
90	Low radiation dose to treat pneumonia and other inflammations. British Journal of Radiology, 2021, 94, 20201265.	2.2	11

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91	Low Dose Ionising Radiation-Induced Hormesis: Therapeutic Implications to Human Health. Applied Sciences (Switzerland), 2021, 11, 8909.	2.5	11
92	Tailor made barium borate doped Bi2O3 glass system for radiological protection. Radiation Physics and Chemistry, 2021, 187, 109558.	2.8	11
93	Studies of defect states and kinetic parameters of car windscreen for thermoluminescence retrospective dosimetry. Applied Radiation and Isotopes, 2022, 186, 110271.	1.5	11
94	X-Ray Fluorescence and the In Vivo Evaluation of Fe, Cu and Zn in Skin. Journal of Radioanalytical and Nuclear Chemistry, 2000, 244, 213-217.	1.5	10
95	Improving thermoluminescence response through the fabrication of novel microstructured fibers. Radiation Physics and Chemistry, 2015, 116, 135-137.	2.8	10
96	Feasibility of using glass-bead thermoluminescent dosimeters for radiotherapy treatment plan verification. British Journal of Radiology, 2015, 88, 20140804.	2.2	10
97	Environmental monitoring through use of silica-based TLD. Journal of Radiological Protection, 2017, 37, 761-779.	1.1	10
98	Reproducibility assessment of commercial optically stimulated luminescence system in diagnostic X-ray beams. Journal of Radioanalytical and Nuclear Chemistry, 2017, 314, 2029-2036.	1.5	10
99	Harnessing the thermoluminescence of Ge-doped silica flat-fibres for medical dosimetry. Sensors and Actuators A: Physical, 2018, 270, 170-176.	4.1	10
100	Composition and thickness dependence of TLD relative dose sensitivity: A Monte Carlo study. Radiation Measurements, 2019, 129, 106191.	1.4	10
101	Natural dead sea salt and retrospective dosimetry. Radiation and Environmental Biophysics, 2020, 59, 523-537.	1.4	10
102	Occupational and ambient radiation exposures from Lu-177 DOTATATE during targeted therapy. Applied Radiation and Isotopes, 2020, 164, 109240.	1.5	10
103	Multiphase vascular lower limb computed tomography: Assessment of patients doses and radiogenic risk. Radiation Physics and Chemistry, 2021, 188, 109675.	2.8	10
104	Evaluation of patients radiation dose during mammography imaging procedure. Radiation Physics and Chemistry, 2021, 188, 109680.	2.8	10
105	Radiation induced defects in graphite. Applied Radiation and Isotopes, 2022, 182, 110141.	1.5	10
106	Assessment of radioactivity in Granitoids at Nikeiba, Southeastern Desert, Egypt; radionuclides concentrations and radiological hazard parameters. Radiation Physics and Chemistry, 2022, 200, 110113.	2.8	10
107	Radioluminescence sensing of radiology exposures using P-doped silica optical fibres. Applied Radiation and Isotopes, 2018, 141, 176-181.	1.5	9
108	Occupational exposure in nuclear medicine and interventional cardiology departments in Sudan: Are they following radiation protection standards?. Radiation Physics and Chemistry, 2019, 160, 100-104.	2.8	9

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109	Thermoluminescence characterization of smartphone screen for retrospective accident dosimetry. Radiation Physics and Chemistry, 2020, 167, 108297.	2.8	9
110	Radiogenic risk assessment for abdominal vascular computed tomography angiography. Radiation Physics and Chemistry, 2020, 168, 108523.	2.8	9
111	Burnâ€up calculation of the neutronic and safety parameters of thoriumâ€uranium mixed oxide fuel cycle in a Westinghouse small modular reactor. International Journal of Energy Research, 2021, 45, 12013-12028.	4.5	9
112	Comparison of thermoluminescence response of different sized Ge-doped flat fibers as a dosimeter. Radiation Physics and Chemistry, 2015, 116, 155-159.	2.8	8
113	Gamma ray shielding and thermoluminescence investigation of bismuth added heavy metal oxide glasses. Radiation Physics and Chemistry, 2021, 188, 109598.	2.8	8
114	Microâ€PIXE analysis of doped SiO₂ fibres intended as TL dosimeters for radiation measurements. X-Ray Spectrometry, 2015, 44, 33-40.	1.4	7
115	Investigation of silica-based TL media for diagnostic x-ray dosimetry. Radiation Physics and Chemistry, 2017, 140, 78-82.	2.8	7
116	Quality control of radiopharmaceuticals and diagnostic nuclear medicine equipment. Radiation Physics and Chemistry, 2020, 167, 108247.	2.8	7
117	Assessment of Radioactive Materials in Albite Granites from Abu Rusheid and Um Naggat, Central Eastern Desert, Egypt. Minerals (Basel, Switzerland), 2022, 12, 120.	2.0	7
118	Evaluation of the annual occupational effective doses in a SPECT/CT department. Applied Radiation and Isotopes, 2022, 181, 110097.	1.5	7
119	Development and Analysis of Coding and Tailored Metamaterial for Terahertz Frequency Applications. Materials, 2022, 15, 2777.	2.9	7
120	Effectiveness of Al2O3:C OSL dosimeter towards entrance surface dose measurement in common X-ray diagnostics. Radiation Physics and Chemistry, 2019, 165, 108418.	2.8	6
121	Time-resolved dose measurements of linear accelerator pulses using a fibre optic sensor: Applications and challenges. Radiation Physics and Chemistry, 2020, 167, 108212.	2.8	6
122	Structural Studies of Epithelial Mesenchymal Transition Breast Tissues. Scientific Reports, 2020, 10, 1997.	3.3	6
123	Estimation of patient effective doses in PET/CT- 18F-Sodium Fluoride examinations. Applied Radiation and Isotopes, 2021, 178, 109965.	1.5	6
124	Radiological Investigation on Sediments: A Case Study of Wadi Rod Elsayalla the Southeastern Desert of Egypt. Applied Sciences (Switzerland), 2021, 11, 11884.	2.5	6
125	Biogenic Synthesis of AgNPs Using Aqueous Bark Extract of Aesculus indica for Antioxidant and Antimicrobial Applications. Crystals, 2022, 12, 252.	2.2	6
126	A cross-validation study of Ge-doped silica optical fibres and TLD-100 systems for high energy photon dosimetry audit under non-reference conditions. Radiation Physics and Chemistry, 2022, 200, 110232.	2.8	6

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127	Effective radiation dose and radiogenic cancer risk during contrast enhanced abdominal computed tomography examinations. Radiation Physics and Chemistry, 2022, 200, 110328.	2.8	6
128	XRF measurements of Zn, Sr and Pb in archaeological bone. X-Ray Spectrometry, 2015, 44, 129-134.	1.4	5
129	Investigations of thermoluminescent silica beads of different manufacturers and colours. Radiation Physics and Chemistry, 2019, 155, 178-183.	2.8	5
130	Potential lethal damage repair in glioblastoma cells irradiated with ion beams of various types and levels of linear energy transfer. Journal of Radiation Research, 2019, 60, 59-68.	1.6	5
131	The radiobiological effects of He, C and Ne ions as a function of LET on various glioblastoma cell lines. Journal of Radiation Research, 2019, 60, 178-188.	1.6	5
132	Short-term retention of 99mTc activity in bone scintigraphy. Radiation Physics and Chemistry, 2021, 178, 108907.	2.8	5
133	Assessment of Imaging Protocol and Patients Radiation Exposure in Computed Tomography Colonography. Applied Sciences (Switzerland), 2021, 11, 4761.	2.5	5
134	Photonic crystal fibre as a potential medium for radiotherapy dosimetry. Applied Radiation and Isotopes, 2021, 174, 109771.	1.5	5
135	Radioluminescence of silica optical fibre scintillators for real-time industrial radiation dosimetry. Radiation Physics and Chemistry, 2021, 188, 109684.	2.8	5
136	Evaluation of patients radiation dose in computed tomography paranasal sinuses in children. Radiation Physics and Chemistry, 2021, 188, 109695.	2.8	5
137	Evaluation of pediatric radiation doses in computed tomography procedures in the Kingdom of Saudi Arabia. Radiation Physics and Chemistry, 2021, 188, 109679.	2.8	5
138	Evaluation of paediatric computed tomography imaging for brain, and abdomen procedures. Radiation Physics and Chemistry, 2022, 200, 110271.	2.8	5
139	Modeling dose response to synchrotron X-rays in solid-state and biological systems. Radiation Effects and Defects in Solids, 2007, 162, 765-769.	1.2	4
140	Thermoluminescence response of Ge-doped optical fiber dosimeters with different core sizes. , 2013, , .		4
141	Characterisation of the thermoluminescence (TL) properties of tailor-made Ge-doped silica glass fibre for applications in medical radiation therapy dosimetry. Journal of Physics: Conference Series, 2014, 546, 012012.	0.4	4
142	EVALUATION OF RADON CONCENTRATION IN IRRIGATION AND DRINKING WATERS FROM THE EASTERN PART OF OMAN AND ESTIMATION OF EFFECTIVE DOSES TO OMANIS. Radiation Protection Dosimetry, 2019, 184, 422-425.	0.8	4
143	Current Sudan protective practice in diagnostic nuclear medicine and patient dose. Radiation Physics and Chemistry, 2021, 178, 108997.	2.8	4
144	Passive dosimetry of electron irradiated borosilicate glass slides. Radiation Physics and Chemistry, 2021, 178, 108903.	2.8	4

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145	Radiation risk for patients undergoing cardiac computed tomography examinations. Applied Radiation and Isotopes, 2021, 168, 109520.	1.5	4
146	Skin dose assessment at diagnostic and therapeutic photon energies: A Monte Carlo study on TLDs. Radiation Physics and Chemistry, 2021, 185, 109502.	2.8	4
147	A Novel Hybrid Learning System Using Modified Breaking Ties Algorithm and Multinomial Logistic Regression for Classification and Segmentation of Hyperspectral Images. Applied Sciences (Switzerland), 2021, 11, 7614.	2.5	4
148	Effect of neutron exposure on structural and optical properties of tailor-made Gd-Doped SiO2 glass. Radiation Physics and Chemistry, 2021, 188, 109654.	2.8	4
149	Impact of weight percent gadolinium and the number of its fuel rods on the neutronic and safety parameters. Radiation Physics and Chemistry, 2021, 188, 109686.	2.8	4
150	Characterization of a promising luminescence-based graphite radiation dosimeter. Radiation Physics and Chemistry, 2021, 188, 109663.	2.8	4
151	A survey of the pediatric radiation doses during multiphase abdominal computed tomography examinations. Radiation Physics and Chemistry, 2021, 188, 109662.	2.8	4
152	Geant4 track structure simulation of electron beam interaction with a gold nanoparticle. Radiation Physics and Chemistry, 2022, 200, 110278.	2.8	4
153	2D and 3D dose analysis of PRESAGEÂ® dosimeter using a prototype 3DmicroHD-OCT imaging system. Radiation Physics and Chemistry, 2022, 200, 110312.	2.8	4
154	Tuning fork-hammer shaped perfect metamaterial absorber for C-band applications. Radiation Physics and Chemistry, 2022, 200, 110262.	2.8	4
155	Characterisation of graphite-based material for dosimetry in the mammographic energy range. Radiation Physics and Chemistry, 2022, 201, 110405.	2.8	4
156	Elastic photon scattering and normalization ofIn Vivo XRF Analyses of Lead in Bone. X-Ray Spectrometry, 1999, 28, 339-341.	1.4	3
157	Facile Synthesis of High-Quality Nano-Size 10B-Enriched Fibers of Hexagonal Boron Nitride. Crystals, 2021, 11, 222.	2.2	3
158	Evaluation of production cross-sections for theranostic 67Cu radionuclide via proton-induced nuclear reaction on 68Zn target. Applied Radiation and Isotopes, 2021, 173, 109735.	1.5	3
159	Thermoluminescence Response of Ge- and Al-Doped Optical Fibers Subjected to Low-Dose Electron Irradiation. Journal of Nuclear Science and Technology, 2011, 48, 1115-1117.	1.3	3
160	Measurement of Neutron Dose Equivalent within and Outside of a LINAC Treatment Vault Using a Neutron Survey Meter. Quantum Beam Science, 2021, 5, 33.	1.2	3
161	Insights into Sorptionâ€“Mineralization Mechanism for Sustainable Granular Composite of MgO-CaO-Al2O3-SiO2-CO2 Based on Nanosized Adsorption Centers and Its Effect on Aqueous Cu(II) Removal. Nanomaterials, 2022, 12, 116.	4.1	3
162	Estimate of effective dose for adult patients from nuclear medicine examinations in Sudan. Radiation Physics and Chemistry, 2022, 200, 110330.	2.8	3

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163	The Development of Doped Radiosensitive Glass. , 2011, , .		2
164	Fading and residual responses for thermoluminescent dosimetry of silica beads irradiated using a high-dose electron-beam. Radiation Physics and Chemistry, 2021, 182, 109366.	2.8	2
165	ASSESSMENT OF PATIENTâ€™S RADIATION EXPOSURES RESULTED FROM PET/CT 18F-FCH AND 68GA-PSMA PROCEDURES. Radiation Protection Dosimetry, 2021, 195, 349-354.	0.8	2
166	Comparison of Radiation dose and Image Quality in Head CT Scans Among Multidetector CT Scanners. Radiation Protection Dosimetry, 2021, 196, 10-16.	0.8	2
167	Organs dosimetry in targeted radionuclide therapy. Radiation Physics and Chemistry, 2021, 188, 109668.	2.8	2
168	Fiber optic coupled survey meter for NORM and low-level radioactivity monitoring. Radiation Physics and Chemistry, 2021, 188, 109682.	2.8	2
169	Investigation of scattered dose in a mouse phantom model for pre-clinical dosimetry studies. Radiation Physics and Chemistry, 2021, 189, 109691.	2.8	2
170	Structural and dosimetric study of sub-kGy neutron-irradiated graphitic media. Radiation Physics and Chemistry, 2021, 189, 109709.	2.8	2
171	Time-Resolved Radioluminescence Dosimetry Applications and the Influence of Ge Dopants In Silica Optical Fiber Scintillators. Quantum Beam Science, 2022, 6, 15.	1.2	2
172	Effective radiation doses in neck computed tomography scans. Radiation Physics and Chemistry, 2022, 200, 110340.	2.8	2
173	Al2O3:C and LiF: Mg, Ti characterisations at 100â€“150ÂkV energy range for computed tomography dose measurement. Radiation Physics and Chemistry, 2022, 199, 110365.	2.8	2
174	New Measurements Concerning a Non-Resonant Photoactivation Cross Section for 115In. Journal of Radioanalytical and Nuclear Chemistry, 2000, 244, 475-478.	1.5	1
175	Investigation of Essential Element Distribution in the Equine Metacarpophalangeal Joint using a Synchrotron Radiation Micro X-Ray Fluorescence Technique. AIP Conference Proceedings, 2008, , .	0.4	1
176	Optically Stimulated Luminescence in beta irradiated Ge-doped optical fibre. , 2013, , .		1
177	Monte Carlo Simulations for the Detection of Buried Objects Using Single Sided Backscattered Radiation. PLoS ONE, 2015, 10, e0135769.	2.5	1
178	Fabricated Ge-doped flat optical fibres: Assessing the thermoluminescence glow curves for proton beam irradiation. AIP Conference Proceedings, 2018, , .	0.4	1
179	Off-the-shelf thermoluminescent silica glass media for use in medical diagnostic dosimetry applications. Applied Radiation and Isotopes, 2021, 178, 109953.	1.5	1
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