Mayeen U Khandaker

List of Publications by Year
in descending order

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385	7,587	66343	128289
papers	citations	42 h-index	60 g-index

393	393	393	3789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Assessment of radiometric standard and potential health risks from building materials used in Bangladeshi dwellings. International Journal of Environmental Analytical Chemistry, 2023, 103, 3376-3388.	3.3	17
2	Statistical analysis of terrestrial gamma radiation dose rates in relation to different geological formations and soil types of Katsina State, Nigeria. International Journal of Environmental Analytical Chemistry, 2023, 103, 3251-3263.	3.3	3
3	The presence of toxic metals in tillage soils of Chittagong hill tracts in Bangladesh and the resultant health risk. International Journal of Environmental Analytical Chemistry, 2023, 103, 7666-7685.	3.3	2
4	Evaluation of CT dose and establishment of local DRLs for abdomen and pelvis examinations in hospitals in Taif City, Saudi Arabia. Radiation Physics and Chemistry, 2023, 202, 110206.	2.8	4
5	An octagonal split ring resonator-based double negative metamaterial for S-, X- and Ku-band applications. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 2269-2280.	1.1	2
6	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
7	Diagnostic reference level for adult pelvic examination in several hospitals of Taif and Kharaj city, Saudi Arabia. Applied Radiation and Isotopes, 2022, 180, 110049.	1.5	12
8	Development of an Optimal Design and Subsequent Fabrication of an Electricity-Generating Ground Platform from Footstep. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 379-390.	0.7	1
9	Macro marine litter survey of sandy beaches along the Cox's Bazar Coast of Bay of Bengal, Bangladesh: Land-based sources of solid litter pollution. Marine Pollution Bulletin, 2022, 174, 113246.	5.0	42
10	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
11	Antimicrobial, anti-inflammatory and antioxidant activities of natural organic matter extracted from cretaceous shales in district Nowshera-Pakistan. Arabian Journal of Chemistry, 2022, 15, 103633.	4.9	7
12	The efficacy of deep learning based LSTM model in forecasting the outbreak of contagious diseases. Infectious Disease Modelling, 2022, 7, 170-183.	1.9	24
13	The antibacterial and antioxidant efficacy and neutron sensing potency of 10B enriched hexagonal boron nitride nanoparticles. Materials Science in Semiconductor Processing, 2022, 141, 106419.	4.0	13
14	Biological agents for synthesis of nanoparticles and their applications. Journal of King Saud University - Science, 2022, 34, 101869.	3.5	143
15	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
16	Exploring the Immune-Boosting Functions of Vitamins and Minerals as Nutritional Food Bioactive Compounds: A Comprehensive Review. Molecules, 2022, 27, 555.	3.8	38
17	Investigation of the Biological Applications of Biosynthesized Nickel Oxide Nanoparticles Mediated by Buxus wallichiana Extract. Crystals, 2022, 12, 146.	2.2	7
18	Electromagnetically Modified Wettability and Interfacial Tension of Hybrid ZnO/SiO2 Nanofluids. Crystals, 2022, 12, 169.	2.2	13

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19	PPE pollution in the terrestrial and aquatic environment of the Chittagong city area associated with the COVID-19 pandemic and concomitant health implications. Environmental Science and Pollution Research, 2022, 29, 27521-27533.	5.3	25
20	Characterization of various acrylate based artificial teeth for denture fabrication. Journal of Materials Science: Materials in Medicine, 2022, 33, 17.	3.6	9
21	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
22	A hybrid multi objective cellular spotted hyena optimizer for wellbore trajectory optimization. PLoS ONE, 2022, 17, e0261427.	2.5	1
23	Stem Cell Transplantation Therapy and Neurological Disorders: Current Status and Future Perspectives. Biology, 2022, 11, 147.	2.8	36
24	The influence of ZnO/SiO2 nanocomposite concentration on rheology, interfacial tension, and wettability for enhanced oil recovery. Chemical Engineering Research and Design, 2022, 179, 452-461.	5.6	26
25	Evaluation of the annual occupational effective doses in a SPECT/CT department. Applied Radiation and Isotopes, 2022, 181, 110097.	1.5	7
26	Applicability of the multispectral remote sensing on determining the natural rock complexes distribution and their evaluability on the radiation protection applications. Radiation Physics and Chemistry, 2022, 193, 110004.	2.8	38
27	Biogenic Synthesis of Ag Nanoparticles of 18.27 nm by Zanthozylum armatum and Determination of Biological Potentials. Molecules, 2022, 27, 1166.	3.8	3
28	Cytotoxic and photocatalytic studies of hexagonal boron nitride nanotubes: a potential candidate for wastewater and air treatment. RSC Advances, 2022, 12, 6592-6600.	3.6	15
29	Federated Learning Approach to Protect Healthcare Data over Big Data Scenario. Sustainability, 2022, 14, 2500.	3.2	28
30	Biogenic Synthesis of AgNPs Using Aqueous Bark Extract of Aesculus indica for Antioxidant and Antimicrobial Applications. Crystals, 2022, 12, 252.	2.2	6
31	Assessment of terrestrial radionuclides in the sandy soil from Guliakhali beach area of Chattogram, Bangladesh. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1299-1307.	1.5	12
32	The Multifunctional Role of Herbal Products in the Management of Diabetes and Obesity: A Comprehensive Review. Molecules, 2022, 27, 1713.	3.8	79
33	The Exchange-Correlation Effects on the Electronic Bands of Hybrid Armchair Single-Walled Carbon Boron Nitride Nanostructure. Crystals, 2022, 12, 394.	2.2	17
34	Development of a computer-aided tool for detection of COVID-19 pneumonia from CXR images using machine learning algorithm. Journal of Radiation Research and Applied Sciences, 2022, 15, 32-43.	1.2	14
35	Eco-Friendly NiO/Polydopamine Nanocomposite for Efficient Removal of Dyes from Wastewater. Nanomaterials, 2022, 12, 1103.	4.1	10
36	Structural, Magnetic, and AC Measurements of Nanoferrites/Graphene Composites. Nanomaterials, 2022, 12, 931.	4.1	37

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37	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
38	An Oval-Square Shaped Split Ring Resonator Based Left-Handed Metamaterial for Satellite Communications and Radar Applications. Micromachines, 2022, 13, 578.	2.9	13
39	A New Compact Split Ring Resonator Based Double Inverse Epsilon Shaped Metamaterial for Triple Band Satellite and Radar Communication. Crystals, 2022, 12, 520.	2.2	5
40	Amassing the Covid-19 driven PPE wastes in the dwelling environment of Chittagong Metropolis and associated implications. Chemosphere, 2022, 297, 134022.	8.2	12
41	The effectiveness of ornamental building materials (tiles) for retrospective thermoluminescence dosimetry. Applied Radiation and Isotopes, 2022, 184, 110218.	1.5	7
42	Gamma-ray protection capacity evaluation and satellite data based mapping for the limestone, charnockite, and gneiss rocks in the Sirugudi taluk of the Dindigul district, India. Radiation Physics and Chemistry, 2022, 196, 110108.	2.8	23
43	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
44	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
45	Structural and In Situ X-ray Diffraction Study of Hydrogenation of CaxMg1â^'xNi2 (0 â‰¤ x â‰¤ 1). Crystals, 2022, 12, 47.	2.2	0
46	Synthesis of cobalt and sulphur doped titanium dioxide photocatalysts for environmental applications. Journal of King Saud University - Science, 2022, 34, 102028.	3.5	19
47	Development and Analysis of Coding and Tailored Metamaterial for Terahertz Frequency Applications. Materials, 2022, 15, 2777.	2.9	7
48	An experimental study measuring the photon attenuation features of the P2O5â€“CaOâ€“K2Oâ€“Na2Oâ€“PbO glass system. Radiation Physics and Chemistry, 2022, 200, 110153.	2.8	11
49	Comparison of radiation shielding ability of Bi2O3 micro and nanoparticles for radiation shields. Radiation Physics and Chemistry, 2022, 200, 110170.	2.8	24
50	Bio-Synthesized Tin Oxide Nanoparticles: Structural, Optical, and Biological Studies. Crystals, 2022, 12, 614.	2.2	7
51	Investigation of the photon shielding capability of kaolin clay added with micro and nanoparticles of Bi2O3. Radiation Physics and Chemistry, 2022, 200, 110191.	2.8	8
52	Studies of defect states and kinetic parameters of car windscreen for thermoluminescence retrospective dosimetry. Applied Radiation and Isotopes, 2022, 186, 110271.	1.5	11
53	Pharmacological Potential of Avicennia alba Leaf Extract: An Experimental Analysis Focusing on Antidiabetic, Anti-inflammatory, Analgesic, and Antidiarrheal Activity. BioMed Research International, 2022, 2022, 1-10.	1.9	15
54	Modified Coptic Cross Shaped Split-Ring Resonator Based Negative Permittivity Metamaterial for Quad Band Satellite Applications with High Effective Medium Ratio. Materials, 2022, 15, 3389.	2.9	8

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55	Occurrence, spatial distribution, and risk assessment of microplastics in surface water and sediments of Saint Martin Island in the Bay of Bengal. Marine Pollution Bulletin, 2022, 179, 113720.	5.0	31
56	Dual square split ring enclosed spiral shaped hybrid metamaterial resonator with size miniaturisation for microwave wireless applications. Scientific Reports, 2022, 12, 8028.	3.3	4
57	Effect of iron and ferrosilicon materials to enhance the radiation shielding ability of bentonite clay. Radiation Physics and Chemistry, 2022, 200, 110235.	2.8	12
58	Spatial distribution and risk assessments due to the microplastics pollution in sediments of Karnaphuli River Estuary, Bangladesh. Scientific Reports, 2022, 12, .	3.3	70
59	High and temperature-insensitive piezoelectric performance in the lead-free Sm-doped BiFeO3â€“BaTiO3 ceramics with high Curie temperature. Ceramics International, 2022, 48, 26608-26617.	4.8	11
60	Assessment of Î³-radiation shielding behavior of some mixed nature clays. Radiation Physics and Chemistry, 2022, 200, 110236.	2.8	12
61	Improvement in the design of shielding containers for intermediate-level radioactive waste. Radiation Physics and Chemistry, 2022, 200, 110229.	2.8	3
62	Green Synthesis of Lead Sulphide Nanoparticles for High-Efficiency Perovskite Solar Cell Applications. Nanomaterials, 2022, 12, 1933.	4.1	12
63	Preparation, radiation shielding and mechanical characterization of PbOâ€“TeO2â€“MgOâ€“Na2Oâ€“B2O3 glasses. Radiation Physics and Chemistry, 2022, 198, 110254.	2.8	8
64	Development of Double C-Shaped Left-Handed Metamaterial for Dual-Band Wi-Fi and Satellite Communication Application with High Effective Medium Radio and Wide Bandwidth. Crystals, 2022, 12, 836.	2.2	6
65	The Efficacy of Machine-Learning-Supported Smart System for Heart Disease Prediction. Healthcare (Switzerland), 2022, 10, 1137.	2.0	23
66	Study of alpha spectrometry for detection of radon and progeny using gas micro-strip detector. Applied Radiation and Isotopes, 2022, 187, 110344.	1.5	8
67	Fabrication of Silver Nanoparticles from Ziziphus nummularia Fruit Extract: Effect on Hair Growth Rate and Activity against Selected Bacterial and Fungal Strains. Journal of Nanomaterials, 2022, 2022, 1-14.	2.7	4
68	Tuning fork-hammer shaped perfect metamaterial absorber for C-band applications. Radiation Physics and Chemistry, 2022, 200, 110262.	2.8	4
69	Design and Analysis of Multi-Layer and Cuboid Coding Metamaterials for Radar Cross-Section Reduction. Materials, 2022, 15, 4282.	2.9	5
70	Impact of Industrially Affected Soil on Humans: A Soil-Human and Soil-Plant-Human Exposure Assessment. Toxics, 2022, 10, 347.	3.7	7
71	Computational Studies of the Excitonic and Optical Properties of Armchair SWCNT and SWBNNT for Optoelectronics Applications. Crystals, 2022, 12, 870.	2.2	16
72	The significance of nuclear data in the production of radionuclides for theranostic/therapeutic applications. Radiation Physics and Chemistry, 2022, 200, 110342.	2.8	17

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73	Study of certain congenital malformations due to low-level radiation exposures from high background radiation areas. Journal of King Saud University - Science, 2022, 34, 102166.	3.5	2
74	The efficacy of thick gas electron multiplier detector in measuring 14C for dating purpose. Radiation Physics and Chemistry, 2022, 198, 110288.	2.8	9
75	Study the radiation attenuation properties of ball clay-cement- iron slag composites by experimental and theoretical methods. Radiation Physics and Chemistry, 2022, 200, 110348.	2.8	4
76	Flowery In2MnSe4 Novel Electrocatalyst Developed via Anion Exchange Strategy for Efficient Water Splitting. Nanomaterials, 2022, 12, 2209.	4.1	46
77	Effect of Cu Doping on ZnO Nanoparticles as a Photocatalyst for the Removal of Organic Wastewater. Bioinorganic Chemistry and Applications, 2022, 2022, 1-12.	4.1	28
78	Staff radiation exposure at four radiology departments in the Aseer region of Saudi Arabia. Radiation Physics and Chemistry, 2022, 200, 110302.	2.8	4
79	Characterisation of graphite-based material for dosimetry in the mammographic energy range. Radiation Physics and Chemistry, 2022, 201, 110405.	2.8	4
80	Determination of radon concentration in groundwater of Gadau, Bauchi State, Nigeria and estimation of effective dose. Radiation Physics and Chemistry, 2021, 178, 108934.	2.8	20
81	Radioactivity in staple foodstuffs and concomitant dose to the population of Jigawa state, Nigeria. Radiation Physics and Chemistry, 2021, 178, 108945.	2.8	18
82	Empirical study on specific absorption rate of head tissues due to induced heating of 4G cell phone radiation. Radiation Physics and Chemistry, 2021, 178, 108910.	2.8	15
83	Dosimetric evaluation of gold nanoparticle aided intraoperative radiotherapy with the Intrabeam system using Monte Carlo simulations. Radiation Physics and Chemistry, 2021, 178, 108864.	2.8	11
84	Patient radiation dose reduction using a commercial iterative reconstruction technique package. Radiation Physics and Chemistry, 2021, 178, 108996.	2.8	23
85	Small-field radiotherapy photon beam output evaluation: Detectors reviewed. Radiation Physics and Chemistry, 2021, 178, 108950.	2.8	13
86	The impact of gadolinium on the reactor production of 153Sm. Radiation Physics and Chemistry, 2021, 178, 108995.	2.8	2
87	Evaluation of radiometric standards of major building materials used in dwellings of South-Western Nigeria. Radiation Physics and Chemistry, 2021, 178, 109021.	2.8	14
88	Feasibility study of a minibeam collimator design for a 60Co gamma irradiator. Radiation Physics and Chemistry, 2021, 178, 109026.	2.8	3
89	Radiation exposure management techniques during endoscopic retrograde cholangio-pancreatography procedures. Radiation Physics and Chemistry, 2021, 178, 108991.	2.8	2
90	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

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91	Electrocatalytic and structural properties and computational calculation of PAN-EC-PC-TPAI-I2 gel polymer electrolytes for dye sensitized solar cell application. RSC Advances, 2021, 11, 22937-22950.	3.6	8
92	Investigation of diffusive transport of radon through bricks. Radiation Physics and Chemistry, 2021, 178, 108955.	2.8	13
93	A Machine Learning Driven Android Based Mobile Application for Flower Identification. Communications in Computer and Information Science, 2021, , 163-175.	0.5	1
94	Facile Synthesis of High-Quality Nano-Size 10B-Enriched Fibers of Hexagonal Boron Nitride. Crystals, 2021, 11, 222.	2.2	3
95	Structural, Optical, and Antibacterial Efficacy of Pure and Zinc-Doped Copper Oxide Against Pathogenic Bacteria. Nanomaterials, 2021, 11, 451.	4.1	46
96	Unmodified Titanium Dioxide Nanoparticles as a Potential Contrast Agent in Photon Emission Computed Tomography. Crystals, 2021, 11, 171.	2.2	18
97	Elevated Concentrations of Metal(loids) in Seaweed and the Concomitant Exposure to Humans. Foods, 2021, 10, 381.	4.3	29
98	The presence of radioactive heavy minerals in prospecting trenches and concomitant occupational exposure. PLoS ONE, 2021, 16, e0249329.	2.5	13
99	Radionuclides Transfer from Soil to Tea Leaves and Estimation of Committed Effective Dose to the Bangladesh Populace. Life, 2021, 11, 282.	2.4	10
100	Chemical Analysis of Thermoluminescent Colorless Topaz Crystal Using Laser-Induced Breakdown Spectroscopy. Minerals (Basel, Switzerland), 2021, 11, 367.	2.0	4
101	Antibacterial, antioxidant and physicochemical investigations of tin dioxide nanoparticles synthesized via microemulsion method. Materials Research Express, 2021, 8, 035013.	1.6	29
102	Development of a Novel Design and Subsequent Fabrication of an Automated Touchless Hand Sanitizer Dispenser to Reduce the Spread of Contagious Diseases. Healthcare (Switzerland), 2021, 9, 445.	2.0	11
103	High Mobility Reactive Sputtered CuxO Thin Film for Highly Efficient and Stable Perovskite Solar Cells. Crystals, 2021, 11, 389.	2.2	13
104	Raman and photoluminescence spectroscopy analysis of gamma irradiated human hair. Scientific Reports, 2021, 11, 7939.	3.3	16
105	A practical method for incorporation of Fe (III) in Titania matrix for photocatalytic applications. Materials Research Express, 2021, 8, 045006.	1.6	14
106	Tailoring bismuth borate glasses by incorporating PbO/GeO2 for protection against nuclear radiation. Scientific Reports, 2021, 11, 7784.	3.3	22
107	Anomaly Classification for Earthquake Prediction in Radon Time Series Data Using Stacking and Automatic Anomaly Indication Function. Pure and Applied Geophysics, 2021, 178, 1593.	1.9	8
108	Synergistic effects of Cu-doped ZnO nanoantibiotic against Gram-positive bacterial strains. PLoS ONE, 2021, 16, e0251082.	2.5	51

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109	Parabolic Split Ring Resonator (PSRR) based MNZ metamaterial with angular rotation for WiFi/WiMax/Wireless/ISM band applications. Chinese Journal of Physics, 2021, 71, 753-769.	3.9	9
110	Photocatalytic and Antibacterial Potency of Titanium Dioxide Nanoparticles: A Cost-Effective and Environmentally Friendly Media for Treatment of Air and Wastewater. Catalysts, 2021, 11, 709.	3.5	20
111	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
112	Enhanced Optical and Antibacterial Activity of Hydrothermally Synthesized Cobalt-Doped Zinc Oxide Cylindrical Microcrystals. Materials, 2021, 14, 3223.	2.9	35
113	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
114	Levels and health risk assessment of heavy metals in dried fish consumed in Bangladesh. Scientific Reports, 2021, 11, 14642.	3.3	36
115	Quality Assessment of Bottled and Unbottled Drinking Water in Bangladesh. Water (Switzerland), 2021, 13, 2026.	2.7	6
116	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
117	The formation of isomeric pair in the natTi(3He,x)44m,gSc reactions: Effect of spin cut-off parameter on the isomeric ratio. Nuclear Instruments & Methods in Physics Research B, 2021, 499, 1-6.	1.4	2
118	Modified Hexagonal Split Ring Resonator Based on an Epsilon-Negative Metamaterial for Triple-Band Satellite Communication. Micromachines, 2021, 12, 878.	2.9	18
119	Erratum to â€œUncertainty propagation in activation cross section measurementsâ€•[Radiat. Phys. Chem. 140 (2017) 502â€“510]. Radiation Physics and Chemistry, 2021, 184, 109440.	2.8	1
120	EVALUATION OF ANNUAL RADIATION EXPOSURE OF STAFF IN A CARDIAC CATHETERIZATION DEPARTMENT IN SAUDI ARABIA. Radiation Protection Dosimetry, 2021, 195, 314-318.	0.8	6
121	The Potentials of Egyptian and Indian Granites for Protection of Ionizing Radiation. Materials, 2021, 14, 3928.	2.9	24
122	Shielding Properties of Some Marble Types: A Comprehensive Study of Experimental and XCOM Results. Materials, 2021, 14, 4194.	2.9	28
123	Studies of thermoluminescence kinetic parameters of polymer pencil lead graphite under photon exposures. Applied Radiation and Isotopes, 2021, 174, 109757.	1.5	17
124	Bio-Surfactant Assisted Aqueous Exfoliation of High-Quality Few-Layered Graphene. Crystals, 2021, 11, 944.	2.2	7
125	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
126	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

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127	Photonic crystal fibre as a potential medium for radiotherapy dosimetry. Applied Radiation and Isotopes, 2021, 174, 109771.	1.5	5
128	Low radiation dose to treat pneumonia and other inflammations. British Journal of Radiology, 2021, 94, 20201265.	2.2	11
129	Graphite sheets in study of radiation dosimetry and associated investigations of damage. Applied Radiation and Isotopes, 2021, 174, 109769.	1.5	12
130	The potential of polymer pencil-lead graphite for clinical electron beam dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1010, 165478.	1.6	2
131	A lanthanum-barium-borovanadate glass containing Bi2O3 for radiation shielding applications. Radiation Physics and Chemistry, 2021, 186, 109557.	2.8	19
132	Fabrication and Characterization of Clay-Polyethylene Composite Opted for Shielding of Ionizing Radiation. Crystals, 2021, 11, 1068.	2.2	6
133	Radiation shielding and mechanical properties of Bi2O3â€“Na2Oâ€“TiO2â€“ZnOâ€“TeO2 glass system. Radiation Physics and Chemistry, 2021, 186, 109556.	2.8	52
134	The potential of decorative building materials (marble) for retrospective thermoluminescence dosimetry. Applied Radiation and Isotopes, 2021, 175, 109782.	1.5	8
135	Synthesis of Thermally Stable h-BN-CNT Hetero-Structures via Microwave Heating of Ethylene under Nickel, Iron, and Silver Catalysts. Crystals, 2021, 11, 1097.	2.2	16
136	Simultaneous detection of dual food adulterants using graphene oxide and gold nanoparticle based surface enhanced Raman scattering duplex DNA biosensor. Vibrational Spectroscopy, 2021, 116, 103293.	2.2	5
137	Tailor made barium borate doped Bi2O3 glass system for radiological protection. Radiation Physics and Chemistry, 2021, 187, 109558.	2.8	11
138	Natural radioactivity in the prospecting tunnel in Egypt: Dose rate and risk assessment. Radiation Physics and Chemistry, 2021, 187, 109555.	2.8	19
139	Inhalation dose in the indoor environment of Eloor industrial area, Kerala, India. Radiation Physics and Chemistry, 2021, 188, 109655.	2.8	5
140	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
141	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
142	Estimation of patients organ doses and staff exposure during bone scan examination. Radiation Physics and Chemistry, 2021, 188, 109693.	2.8	17
143	Characterization of a promising luminescence-based graphite radiation dosimeter. Radiation Physics and Chemistry, 2021, 188, 109663.	2.8	4
144	Multiphase vascular lower limb computed tomography: Assessment of patients doses and radiogenic risk. Radiation Physics and Chemistry, 2021, 188, 109675.	2.8	10

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145	A survey of the pediatric radiation doses during multiphase abdominal computed tomography examinations. Radiation Physics and Chemistry, 2021, 188, 109662.	2.8	4
146	The presence of primordial radionuclides in powdered milk and estimation of the concomitant ingestion dose. Radiation Physics and Chemistry, 2021, 188, 109597.	2.8	19
147	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
148	Gamma ray shielding and thermoluminescence investigation of bismuth added heavy metal oxide glasses. Radiation Physics and Chemistry, 2021, 188, 109598.	2.8	8
149	A novel CaOâ€“K2Oâ€“Na2Oâ€“P2O5 glass systems for radiation shielding applications. Radiation Physics and Chemistry, 2021, 188, 109645.	2.8	48
150	The potential use of boron containing resources for protection against nuclear radiation. Radiation Physics and Chemistry, 2021, 188, 109601.	2.8	104
151	Advanced nuclear radiation shielding studies of some mafic and ultramafic complexes with lithological mapping. Radiation Physics and Chemistry, 2021, 189, 109777.	2.8	27
152	Structural and dosimetric study of sub-kGy neutron-irradiated graphitic media. Radiation Physics and Chemistry, 2021, 189, 109709.	2.8	2
153	A novel approach for the reduction of aflatoxin in pistachio nuts using experimental and MCNP simulation. Radiation Physics and Chemistry, 2021, 189, 109752.	2.8	11
154	The status of NORMs in natural environment adjacent to the Rooppur nuclear power plant of Bangladesh. Nuclear Engineering and Technology, 2021, 53, 4114-4121.	2.3	10
155	Biosynthesis and antibacterial activity of MgO-NPs produced from Camellia-sinensis leaves extract. Materials Research Express, 2021, 8, 015402.	1.6	31
156	Electromagnetic radiation reduction using novel metamaterial for cellular applications. Radiation Physics and Chemistry, 2021, 178, 108976.	2.8	15
157	Elevated concentrations of terrestrial radionuclides in sand: An essential raw material used in Bangladeshi dwellings. Indoor and Built Environment, 2021, 30, 1051-1061.	2.8	10
158	IAEA Activities on 67Cu, 186Re, 47Sc Theranostic Radionuclides and Radiopharmaceuticals. Current Radiopharmaceuticals, 2021, 14, 306-314.	0.8	13
159	Enhancement of the Shielding Capability of Sodaâ€“Lime Glasses with Sb2O3 Dopant: A Potential Material for Radiation Safety in Nuclear Installations. Applied Sciences (Switzerland), 2021, 11, 326.	2.5	40
160	Detection and Quantification of Precious Elements in Astrophyllite Mineral by Optical Spectroscopy. Materials, 2021, 14, 6277.	2.9	4
161	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
162	Applications of Nanomaterials in Agrifood and Pharmaceutical Industry. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	50

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163	The Usages and Potential Uses of Alginate for Healthcare Applications. Frontiers in Molecular Biosciences, 2021, 8, 719972.	3.5	17
164	Understanding the Effect of Introducing Micro- and Nanoparticle Bismuth Oxide (Bi2O3) on the Gamma Ray Shielding Performance of Novel Concrete. Materials, 2021, 14, 6487.	2.9	21
165	A Comprehensive Account on Recent Progress in Pharmacological Activities of Benzimidazole Derivatives. Frontiers in Pharmacology, 2021, 12, 762807.	3.5	47
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