

# Mayeen U Khandaker

## List of Publications by Year in descending order

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385  
papers

7,587  
citations

66343

42  
h-index

128289

60  
g-index

393  
all docs

393  
docs citations

393  
times ranked

3789  
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	Biological agents for synthesis of nanoparticles and their applications. Journal of King Saud University - Science, 2022, 34, 101869.	3.5	143
3	Probing high-momentum protons and neutrons in neutron-rich nuclei. Nature, 2018, 560, 617-621.	27.8	127
4	Viability of thorium-based nuclear fuel cycle for the next generation nuclear reactor: Issues and prospects. Renewable and Sustainable Energy Reviews, 2018, 97, 259-275.	16.4	109
5	The potential use of boron containing resources for protection against nuclear radiation. Radiation Physics and Chemistry, 2021, 188, 109601.	2.8	104
6	Influence of adsorption parameters on cesium uptake from aqueous solutions- a brief review. RSC Advances, 2015, 5, 71658-71683.	3.6	102
7	Evaluation of gamma-ray and neutron shielding features of heavy metals doped Bi <sub>2</sub> O <sub>3</sub> -BaO-Na <sub>2</sub> O-MgO-B <sub>2</sub> O <sub>3</sub> glass systems. Progress in Nuclear Energy, 2020, 118, 103118.	2.9	102
8	Time series prediction of COVID-19 by mutation rate analysis using recurrent neural network-based LSTM model. Chaos, Solitons and Fractals, 2020, 138, 110018.	5.1	93
9	Soil-to-root vegetable transfer factors for <sup>226</sup> Ra, <sup>232</sup> Th, <sup>40</sup> K, and <sup>88</sup> Y in Malaysia. Journal of Environmental Radioactivity, 2014, 135, 120-127.	1.7	87
10	Radiometric analysis of construction materials using HPCe gamma-ray spectrometry. Radiation Protection Dosimetry, 2012, 152, 33-37.	0.8	83
11	Elevated concentrations of naturally occurring radionuclides in heavy mineral-rich beach sands of Langkawi Island, Malaysia. Marine Pollution Bulletin, 2018, 127, 654-663.	5.0	81
12	Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei. Physical Review Letters, 2019, 122, 172502.	7.8	80
13	Uptake and distribution of natural radioactivity in rice from soil in north and west part of peninsular malaysia for the estimation of ingestion dose to man. Annals of Nuclear Energy, 2015, 76, 85-93.	1.8	79
14	Uncertainty propagation in activation cross section measurements. Radiation Physics and Chemistry, 2017, 140, 502-510.	2.8	79
15	The Multifunctional Role of Herbal Products in the Management of Diabetes and Obesity: A Comprehensive Review. Molecules, 2022, 27, 1713.	3.8	79
16	Evaluation of radiological risks due to natural radioactivity around Lynas Advanced Material Plant environment, Kuantan, Pahang, Malaysia. Environmental Science and Pollution Research, 2015, 22, 13127-13136.	5.3	78
17	Assessment of Natural Radioactivity Levels and Potential Radiological Risks of Common Building Materials Used in Bangladeshi Dwellings. PLoS ONE, 2015, 10, e0140667.	2.5	78
18	Radionuclide emissions from a coal-fired power plant. Applied Radiation and Isotopes, 2013, 80, 109-116.	1.5	72

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19	Spatial distribution and risk assessments due to the microplastics pollution in sediments of Karnaphuli River Estuary, Bangladesh. <i>Scientific Reports</i> , 2022, 12, .	3.3	70
20	Evaluation of radionuclides transfer from soil-to-edible flora and estimation of radiological dose to the Malaysian populace. <i>Chemosphere</i> , 2016, 154, 528-536.	8.2	68
21	Measurement of cross-sections for the (p,xn) reactions in natural molybdenum. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 262, 171-181.	1.4	67
22	Committed effective dose from naturally occurring radionuclides in shellfish. <i>Radiation Physics and Chemistry</i> , 2013, 88, 1-6.	2.8	66
23	The radiation shielding offered by the commercial glass installed in Bangladeshi dwellings. <i>Radiation Effects and Defects in Solids</i> , 2018, 173, 657-672.	1.2	66
24	Laser induced breakdown spectroscopy methods and applications: A comprehensive review. <i>Radiation Physics and Chemistry</i> , 2020, 170, 108666.	2.8	65
25	Heavy metals in human teeth dentine: A bio-indicator of metals exposure and environmental pollution. <i>Chemosphere</i> , 2017, 176, 221-230.	8.2	63
26	Effect of gamma irradiation on poly(vinylidene difluoride)â€“lithium bis(oxalato)borate electrolyte. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11527-11537.	2.8	62
27	Results from the IAEA Benchmark of Spallation Models. <i>Journal of the Korean Physical Society</i> , 2011, 59, 791-796.	0.7	59
28	Assessment of natural radioactivity and gamma-ray dose in monazite rich black Sand Beach of Penang Island, Malaysia. <i>Marine Pollution Bulletin</i> , 2017, 119, 423-428.	5.0	57
29	The presence of radioactive materials in soil, sand and sediment samples of Potenga sea beach area, Chittagong, Bangladesh: Geological characteristics and environmental implication. <i>Results in Physics</i> , 2018, 8, 1268-1274.	4.1	55
30	Evaluation of Radiation Shielding Features of Co and Ni-Based Superalloys Using MCNP-5 Code: Potential Use in Nuclear Safety. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7680.	2.5	55
31	Investigations of $^{89}\text{Y}(p,x)^{86,88,89}\text{Zr}$ , $^{86}\text{m}+g,^{87}\text{g},^{87}\text{m},^{88}\text{g}\text{Y}$ , $^{85}\text{g}\text{Sr}$ , and $^{84}\text{g}\text{Rb}$ nuclear processes up to 42MeV. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2012, 271, 72-81.	1.4	54
32	Synthesis of boron nitride nanotubes via chemical vapour deposition: a comprehensive review. <i>RSC Advances</i> , 2015, 5, 35116-35137.	3.6	54
33	Biological Synthesis of Nanocatalysts and Their Applications. <i>Catalysts</i> , 2021, 11, 1494.	3.5	54
34	Radiation shielding and mechanical properties of $\text{Bi}_2\text{O}_3\text{-Na}_2\text{O-TiO}_2\text{-ZnO-TeO}_2$ glass system. <i>Radiation Physics and Chemistry</i> , 2021, 186, 109556.	2.8	52
35	Assessment of health risk due to the exposure of heavy metals in soil around mega coal-fired cement factory in Nigeria. <i>Results in Physics</i> , 2018, 11, 755-762.	4.1	51
36	Synergistic effects of Cu-doped ZnO nanoantibiotic against Gram-positive bacterial strains. <i>PLoS ONE</i> , 2021, 16, e0251082.	2.5	51

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37	Applications of Nanomaterials in Agrifood and Pharmaceutical Industry. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	50
38	A novel CaO-K <sub>2</sub> O-Na <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> glass systems for radiation shielding applications. Radiation Physics and Chemistry, 2021, 188, 109645.	2.8	48
39	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
40	A Comprehensive Account on Recent Progress in Pharmacological Activities of Benzimidazole Derivatives. Frontiers in Pharmacology, 2021, 12, 762807.	3.5	47
41	Structural, Optical, and Antibacterial Efficacy of Pure and Zinc-Doped Copper Oxide Against Pathogenic Bacteria. Nanomaterials, 2021, 11, 451.	4.1	46
42	Flowery In <sub>2</sub> MnSe <sub>4</sub> Novel Electrocatalyst Developed via Anion Exchange Strategy for Efficient Water Splitting. Nanomaterials, 2022, 12, 2209.	4.1	46
43	Natural Bioactive Molecules: An Alternative Approach to the Treatment and Control of COVID-19. International Journal of Molecular Sciences, 2021, 22, 12638.	4.1	45
44	Investigations of the natTi(p,x) <sup>43,44m,44g,46,47,48Sc,48V</sup> nuclear processes up to 40 MeV. Applied Radiation and Isotopes, 2009, 67, 1348-1354.	1.5	44
45	Excitation functions of (p,x) reactions on natural nickel up to 40 MeV. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 1140-1149.	1.4	44
46	Excitation functions of (d,x) nuclear reactions on natural titanium up to 24MeV. Nuclear Instruments & Methods in Physics Research B, 2013, 296, 14-21.	1.4	44
47	Assessment of Radiation and Heavy Metals Risk due to the Dietary Intake of Marine Fishes (Rastrelliger Tj ETQq1 1,0,784314,rgBT /Ore	2.5	43
48	Excitation functions of the proton induced nuclear reactions on natZn up to 40MeV. Nuclear Instruments & Methods in Physics Research B, 2007, 258, 313-320.	1.4	42
49	Natural radioactivity levels and radiological assessment of decorative building materials in Bangladesh. Indoor and Built Environment, 2016, 25, 541-550.	2.8	42
50	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
51	Cyclotron production of the <sup>105,106mAg</sup> , <sup>100,101Pd</sup> , <sup>100,101m</sup> , <sup>105Rh</sup> radionuclides by natPd(p,x) nuclear processes. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 2303-2311.	1.4	41
52	Radiation dose to the Malaysian populace via the consumption of bottled mineral water. Radiation Physics and Chemistry, 2017, 140, 173-179.	2.8	41
53	Enhancement of the Shielding Capability of Soda-Lime Glasses with Sb <sub>2</sub> O <sub>3</sub> Dopant: A Potential Material for Radiation Safety in Nuclear Installations. Applied Sciences (Switzerland), 2021, 11, 326.	2.5	40
54	Microplastics pollution in salt pans from the Maheshkhali Channel, Bangladesh. Scientific Reports, 2021, 11, 23187.	3.3	40

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55	Excitation functions of the proton induced nuclear reactions on natural zirconium. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 13-20.	1.4	39
56	Exploring the Immune-Boosting Functions of Vitamins and Minerals as Nutritional Food Bioactive Compounds: A Comprehensive Review. Molecules, 2022, 27, 555.	3.8	38
57	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
58	Structural, Magnetic, and AC Measurements of Nanoferrites/Graphene Composites. Nanomaterials, 2022, 12, 931.	4.1	37
59	Synthesis of boron nitride nanotubes by Argon supported Thermal Chemical Vapor Deposition. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 67, 33-37.	2.7	36
60	Levels and health risk assessment of heavy metals in dried fish consumed in Bangladesh. Scientific Reports, 2021, 11, 14642.	3.3	36
61	Impact of Modifier Oxides on Mechanical and Radiation Shielding Properties of B <sub>2</sub> O <sub>3</sub> -SrO-TeO <sub>2</sub> -RO Classes (Where RO = TiO <sub>2</sub> , ZnO, BaO, and PbO). Applied Sciences (Switzerland), 2021, 11, 10904.	2.5	36
62	Stem Cell Transplantation Therapy and Neurological Disorders: Current Status and Future Perspectives. Biology, 2022, 11, 147.	2.8	36
63	Excitation functions of proton induced nuclear reactions on natW up to 40MeV. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1021-1029.	1.4	35
64	Enhanced Optical and Antibacterial Activity of Hydrothermally Synthesized Cobalt-Doped Zinc Oxide Cylindrical Microcrystals. Materials, 2021, 14, 3223.	2.9	35
65	Production cross-sections for the residual radionuclides from the natCd(p, x) nuclear processes. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4877-4887.	1.4	34
66	Electrically Compact SRR-Loaded Metamaterial Inspired Quad Band Antenna for Bluetooth/WiFi/WLAN/WiMAX System. Electronics (Switzerland), 2019, 8, 790.	3.1	34
67	Activation cross-sections of deuteron-induced nuclear reactions on natural iron up to 24MeV. Nuclear Instruments & Methods in Physics Research B, 2013, 316, 33-41.	1.4	33
68	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
69	Biosynthesis and antibacterial activity of MgO-NPs produced from Camellia-sinensis leaves extract. Materials Research Express, 2021, 8, 015402.	1.6	31
70	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
71	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
72	Investigation on the effect of <sup>238</sup> U replacement with <sup>232</sup> Th in small modular reactor (SMR) fuel matrix. Progress in Nuclear Energy, 2020, 118, 103108.	2.9	29

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73	The presence of toxic metals in popular farmed fish species and estimation of health risks through their consumption. <i>Physics Open</i> , 2020, 5, 100052.	1.5	29
74	Elevated Concentrations of Metal(loids) in Seaweed and the Concomitant Exposure to Humans. <i>Foods</i> , 2021, 10, 381.	4.3	29
75	Antibacterial, antioxidant and physicochemical investigations of tin dioxide nanoparticles synthesized via microemulsion method. <i>Materials Research Express</i> , 2021, 8, 035013.	1.6	29
76	TERRESTRIAL RADIONUCLIDES IN SURFACE (DAM) WATER AND CONCOMITANT DOSE IN METROPOLITAN KUALA LUMPUR. <i>Radiation Protection Dosimetry</i> , 2019, 185, 343-350.	0.8	28
77	Shielding Properties of Some Marble Types: A Comprehensive Study of Experimental and XCOM Results. <i>Materials</i> , 2021, 14, 4194.	2.9	28
78	Federated Learning Approach to Protect Healthcare Data over Big Data Scenario. <i>Sustainability</i> , 2022, 14, 2500.	3.2	28
79	Effect of Cu Doping on ZnO Nanoparticles as a Photocatalyst for the Removal of Organic Wastewater. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-12.	4.1	28
80	Excitation functions of the proton-induced nuclear reactions on natSn up to 40 MeV. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2009, 267, 23-31.	1.4	27
81	Excitation functions of proton induced reactions on natFe in the energy region up to 45MeV. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 322, 63-69.	1.4	27
82	Raman spectroscopy and X-ray photo-spectroscopy analysis of graphite media irradiated at low doses. <i>Applied Radiation and Isotopes</i> , 2019, 147, 105-112.	1.5	27
83	Advanced nuclear radiation shielding studies of some mafic and ultramafic complexes with lithological mapping. <i>Radiation Physics and Chemistry</i> , 2021, 189, 109777.	2.8	27
84	Investigation of (d,x) nuclear reactions on natural ytterbium up to 24MeV. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 335, 8-18.	1.4	26
85	Dispersion of radionuclides from coal-fired brick kilns and concomitant impact on human health and the environment. <i>Radiation Physics and Chemistry</i> , 2020, 177, 109165.	2.8	26
86	The influence of ZnO/SiO <sub>2</sub> nanocomposite concentration on rheology, interfacial tension, and wettability for enhanced oil recovery. <i>Chemical Engineering Research and Design</i> , 2022, 179, 452-461.	5.6	26
87	Measurement of Natural and Artificial Radioactivity in Infant Powdered Milk and Estimation of the Corresponding Annual Effective Dose. <i>Environmental Engineering Science</i> , 2015, 32, 838-846.	1.6	25
88	Thermoluminescence Response of Ge-Doped Cylindrical-, Flat- and Photonic Crystal Silica-Fibres to Electron and Photon Radiation. <i>PLoS ONE</i> , 2016, 11, e0153913.	2.5	25
89	PPE pollution in the terrestrial and aquatic environment of the Chittagong city area associated with the COVID-19 pandemic and concomitant health implications. <i>Environmental Science and Pollution Research</i> , 2022, 29, 27521-27533.	5.3	25
90	The presence of natural radioactivity and <sup>137</sup> Cs in the South China Sea bordering peninsular Malaysia. <i>Radiation Protection Dosimetry</i> , 2013, 156, 475-480.	0.8	24

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91	Ge and B doped collapsed photonic crystal optical fibre, a potential TLD material for low dose measurements. <i>Radiation Physics and Chemistry</i> , 2016, 126, 9-13.	2.8	24
92	Volumetric and viscometric properties of aqueous solutions of some monoalkanolamines. <i>Journal of Molecular Liquids</i> , 2016, 223, 299-314.	4.9	24
93	Fabrication of hexagonal boron nitride quantum dots via a facile bottom-up technique. <i>Ceramics International</i> , 2019, 45, 22765-22768.	4.8	24
94	The Potentials of Egyptian and Indian Granites for Protection of Ionizing Radiation. <i>Materials</i> , 2021, 14, 3928.	2.9	24
95	Adsorption of Yttrium Ions on 3-Amino-5-Hydroxypyrazole Impregnated Bleaching Clay, a Novel Sorbent Material. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10320.	2.5	24
96	The efficacy of deep learning based LSTM model in forecasting the outbreak of contagious diseases. <i>Infectious Disease Modelling</i> , 2022, 7, 170-183.	1.9	24
97	Comparison of radiation shielding ability of Bi <sub>2</sub> O <sub>3</sub> micro and nanoparticles for radiation shields. <i>Radiation Physics and Chemistry</i> , 2022, 200, 110170.	2.8	24
98	A simple technique to synthesize pure and highly crystalline boron nitride nanowires. <i>Ceramics International</i> , 2014, 40, 14727-14732.	4.8	23
99	Patient radiation dose reduction using a commercial iterative reconstruction technique package. <i>Radiation Physics and Chemistry</i> , 2021, 178, 108996.	2.8	23
100	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. <i>Radiation Physics and Chemistry</i> , 2022, 196, 110108.	2.8	23
101	The Efficacy of Machine-Learning-Supported Smart System for Heart Disease Prediction. <i>Healthcare (Switzerland)</i> , 2022, 10, 1137.	2.0	23
102	Vibrational, electrical, and structural properties of PVDF/LiBOB solid polymer electrolyte with high electrochemical potential window. <i>Ionics</i> , 2017, 23, 275-284.	2.4	22
103	Spatial distribution of radionuclides in agricultural soil in the vicinity of a coal-fired brick kiln. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	22
104	Radionuclide concentrations in medicinal flora and committed effective dose through Ayurvedic medicines. <i>International Journal of Radiation Biology</i> , 2020, 96, 1028-1037.	1.8	22
105	Tailoring bismuth borate glasses by incorporating PbO/GeO <sub>2</sub> for protection against nuclear radiation. <i>Scientific Reports</i> , 2021, 11, 7784.	3.3	22
106	Experimental determination of proton-induced cross-sections on natural zirconium. <i>Applied Radiation and Isotopes</i> , 2009, 67, 1341-1347.	1.5	21
107	Determination of Primordial Radionuclides in Natural Samples Using HPGe Gamma-Ray Spectrometry. <i>APCBEE Procedia</i> , 2012, 1, 187-192.	0.5	21
108	Metal uptake in chicken giblets and human health implications. <i>Journal of Food Composition and Analysis</i> , 2020, 85, 103332.	3.9	21



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109	Quantification and Radiological Risk Estimation Due to the Presence of Natural Radionuclides in Maiganga Coal, Nigeria. PLoS ONE, 2016, 11, e0158100.	2.5	21
110	Understanding the Effect of Introducing Micro- and Nanoparticle Bismuth Oxide (Bi <sub>2</sub> O <sub>3</sub> ) on the Gamma Ray Shielding Performance of Novel Concrete. Materials, 2021, 14, 6487.	2.9	21
111	Measurement of the total neutron cross-section and resonance parameters of molybdenum using pulsed neutrons generated by an electron linac. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 561-569.	1.4	20
112	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
113	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
114	Radiological Hazard Evaluation of Some Egyptian Magmatic Rocks Used as Ornamental Stone: Petrography and Natural Radioactivity. Materials, 2021, 14, 7290.	2.9	20
115	Effective Synthesis of Vertically Aligned Boron Nitride Nanotubes via a Simple CCVD. Materials and Manufacturing Processes, 2015, 30, 706-710.	4.7	19
116	Study of deuteron-induced nuclear reactions on natural tungsten for the production of theranostic <sup>186</sup> Re via AVF cyclotron up to 38 MeV. Nuclear Instruments & Methods in Physics Research B, 2017, 403, 51-68.	1.4	19
117	Spatial distribution mapping and radiological hazard assessment of groundwater and soil gas radon in Ekiti State, Southwest Nigeria. Environmental Earth Sciences, 2018, 77, 1.	2.7	19
118	Sub kGy photon irradiation alterations in graphite. Applied Radiation and Isotopes, 2020, 161, 109168.	1.5	19
119	Polymer pencil lead graphite for in vivo radiation dosimetry. Diamond and Related Materials, 2020, 106, 107860.	3.9	19
120	Recent Advances in Silica Glass Optical Fiber for Dosimetry Applications. IEEE Photonics Journal, 2020, 12, 1-25.	2.0	19
121	A lanthanum-barium-borovanadate glass containing Bi <sub>2</sub> O <sub>3</sub> for radiation shielding applications. Radiation Physics and Chemistry, 2021, 186, 109557.	2.8	19
122	Natural radioactivity in the prospecting tunnel in Egypt: Dose rate and risk assessment. Radiation Physics and Chemistry, 2021, 187, 109555.	2.8	19
123	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
124	Synthesis of cobalt and sulphur doped titanium dioxide photocatalysts for environmental applications. Journal of King Saud University - Science, 2022, 34, 102028.	3.5	19
125	Production cross-sections of residual radionuclides from proton-induced reactions on natAg up to 40 MeV. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 5101-5106.	1.4	18
126	Synthesis of highly crystalline multilayers structures of 10BNNTs as a potential neutron sensing element. Ceramics International, 2015, 41, 4544-4548.	4.8	18



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127	Production cross-sections of long-lived radionuclides in deuteron-induced reactions on natural zinc up to 23MeV. Nuclear Instruments & Methods in Physics Research B, 2015, 346, 8-16.	1.4	18
128	Low temperature synthesis of high quality BNNTs via argon supported thermal CVD. Ceramics International, 2015, 41, 15222-15226.	4.8	18
129	Excitation functions of deuteron-induced nuclear reactions on natural platinum up to 24 MeV. Nuclear Instruments & Methods in Physics Research B, 2015, 362, 151-162.	1.4	18
130	Production cross-sections of radionuclides from $^1\text{H}$ -induced reactions on natural copper up to 50 MeV. Applied Radiation and Isotopes, 2016, 114, 104-113.	1.5	18
131	Thermoluminescence features of commercial glass and retrospective accident dosimetry. Radiation Physics and Chemistry, 2020, 168, 108528.	2.8	18
132	Radioactivity in staple foodstuffs and concomitant dose to the population of Jigawa state, Nigeria. Radiation Physics and Chemistry, 2021, 178, 108945.	2.8	18
133	Unmodified Titanium Dioxide Nanoparticles as a Potential Contrast Agent in Photon Emission Computed Tomography. Crystals, 2021, 11, 171.	2.2	18
134	Modified Hexagonal Split Ring Resonator Based on an Epsilon-Negative Metamaterial for Triple-Band Satellite Communication. Micromachines, 2021, 12, 878.	2.9	18
135	Macroalgae in biomonitoring of metal pollution in the Bay of Bengal coastal waters of Cox's Bazar and surrounding areas. Scientific Reports, 2021, 11, 20999.	3.3	18
136	Production cross sections of short-lived silver radionuclides from $^{nat}\text{Pd}(p,xn)$ nuclear processes. Nuclear Instruments & Methods in Physics Research B, 2012, 274, 148-153.	1.4	17
137	Influence of zinc concentration on band gap and sub-band gap absorption on ZnO nanocrystalline thin films sol-gel grown. Materials Science-Poland, 2017, 35, 246-253.	1.0	17
138	Commercial kitchenware glass as a potential thermoluminescent media for retrospective dosimetry. Applied Radiation and Isotopes, 2019, 148, 218-224.	1.5	17
139	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
140	Studies of thermoluminescence kinetic parameters of polymer pencil lead graphite under photon exposures. Applied Radiation and Isotopes, 2021, 174, 109757.	1.5	17
141	Estimation of patients organ doses and staff exposure during bone scan examination. Radiation Physics and Chemistry, 2021, 188, 109693.	2.8	17
142	The Usages and Potential Uses of Alginate for Healthcare Applications. Frontiers in Molecular Biosciences, 2021, 8, 719972.	3.5	17
143	The Exchange-Correlation Effects on the Electronic Bands of Hybrid Armchair Single-Walled Carbon Boron Nitride Nanostructure. Crystals, 2022, 12, 394.	2.2	17
144	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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145	Investigation of activation cross-sections of alpha-induced nuclear reactions on natural cadmium. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2014, 333, 80-91.	1.4	16
146	Influence of growth duration on size and morphology of boron nitride nanotubes grown via chemical vapor deposition technique. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 85, 226-232.	4.0	16
147	Radiological risks assessment of building materials ingredients: Palm oil clinker and fuel ash. <i>Indoor and Built Environment</i> , 2019, 28, 479-491.	2.8	16
148	Raman and photoluminescence spectroscopy analysis of gamma irradiated human hair. <i>Scientific Reports</i> , 2021, 11, 7939.	3.3	16
149	Synthesis of Thermally Stable h-BN-CNT Hetero-Structures via Microwave Heating of Ethylene under Nickel, Iron, and Silver Catalysts. <i>Crystals</i> , 2021, 11, 1097.	2.2	16
150	Enhancement of Ceramics Based Red-Clay by Bulk and Nano Metal Oxides for Photon Shielding Features. <i>Materials</i> , 2021, 14, 7878.	2.9	16
151	Computational Studies of the Excitonic and Optical Properties of Armchair SWCNT and SWBNNT for Optoelectronics Applications. <i>Crystals</i> , 2022, 12, 870.	2.2	16
152	Assessment of radioactivity contents in bedrock groundwater samples from the northern region of Saudi Arabia. <i>Chemosphere</i> , 2020, 242, 125181.	8.2	15
153	A comparative study on the impact of Gd <sub>2</sub> O <sub>3</sub> burnable neutron absorber in UO <sub>2</sub> and (U, Th)O <sub>2</sub> fuels. <i>Nuclear Engineering and Technology</i> , 2020, 52, 1099-1109.	2.3	15
154	Radiation dose to Malaysian populace via the consumption of roasted ground and instant coffee. <i>Radiation Physics and Chemistry</i> , 2020, 173, 108886.	2.8	15
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