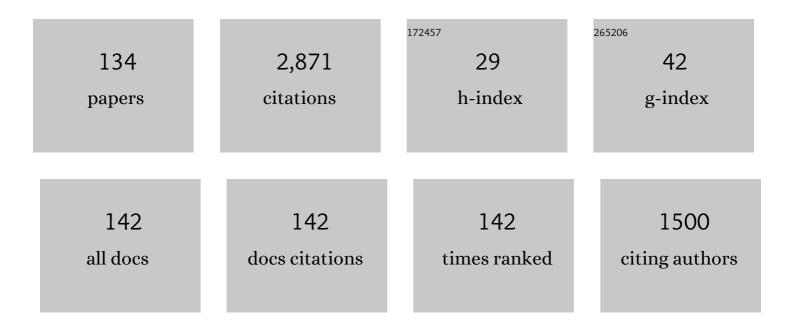
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Band gap widening and narrowing in Cu-doped ZnO thin films. Journal of Alloys and Compounds, 2016, 680, 252-258.	5.5	148
2	Correlation between geology and radon levels in groundwater, soil and indoor air in Bhilangana Valley, Garhwal Himalaya, India. Environmental Geology, 1997, 32, 258-262.	1.2	94
3	Dose estimation derived from the exposure to radon, thoron and their progeny in the indoor environment. Scientific Reports, 2016, 6, 31061.	3.3	91
4	Natural radioactivity in common building construction and radiation shielding materials. Atmospheric Environment, 2008, 42, 2254-2259.	4.1	72
5	Measurement of radon and thoron levels in soil, water and indoor atmosphere of Budhakedar in Garhwal Himalaya, India. Radiation Measurements, 2008, 43, S375-S379.	1.4	68
6	Soil-gas radon as seismotectonic indicator in Garhwal Himalaya. Applied Radiation and Isotopes, 2008, 66, 1523-1530.	1.5	67
7	A study of seasonal variations of radon levels in different types of houses. Journal of Environmental Radioactivity, 1998, 39, 1-7.	1.7	64
8	Relation between soil-gas radon variation and different lithotectonic units, Garhwal Himalaya, India. Applied Radiation and Isotopes, 1999, 51, 587-592.	1.5	58
9	Study of optical band gap, carbonaceous clusters and structuring in CR-39 and PET polymers irradiated by 100MeV O7+ ions. Physica B: Condensed Matter, 2009, 404, 26-30.	2.7	58
10	Geology of radon occurrence around Jari in Parvati Valley, Himachal Pradesh, India. Journal of Environmental Radioactivity, 1997, 34, 139-147.	1.7	48
11	Impact of geohydrology and neotectonic activity on radon concentration in groundwater of intermontane Doon Valley, Outer Himalaya, India. Environmental Geology, 2001, 40, 257-266.	1.2	45
12	Radon and thoron monitoring in the environment of Kumaun Himalayas: survey and outcomes. Journal of Environmental Radioactivity, 2005, 79, 85-92.	1.7	45
13	²²⁶ Ra, ²³² Th and ⁴⁰ K contents in soil samples from Garhwal Himalaya, India, and its radiological implications. Journal of Radiological Protection, 2008, 28, 379-385.	1.1	45
14	Radon occurrence in soil–gas and groundwater around an active landslide. Radiation Measurements, 2008, 43, 98-101.	1.4	43
15	Measurement of radon exhalation rate from soil samples of Garhwal Himalaya, India. Journal of Radioanalytical and Nuclear Chemistry, 2003, 256, 219-223.	1.5	42
16	Radon in groundwater of eastern Doon valley, Outer Himalaya. Radiation Measurements, 2003, 36, 401-405.	1.4	41
17	Radon exhalation rate from soil samples of South Kumaun Lesser Himalayas, India. Radiation Measurements, 2008, 43, S369-S374.	1.4	41
18	Radon in Himalayan springs: a geohydrological control. Environmental Geology, 2000, 39, 523-530.	1.2	40

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19	Variability of radon and thoron equilibrium factors in indoor environment of Garhwal Himalaya. Journal of Environmental Radioactivity, 2016, 151, 238-243.	1.7	40
20	Geohydrological control on radon availability in groundwater. Radiation Measurements, 2009, 44, 122-126.	1.4	38
21	Levels of thoron and progeny in high background radiation area of southeastern coast of Odisha, India. Radiation Protection Dosimetry, 2012, 152, 62-65.	0.8	38
22	Variation in radon concentration and terrestrial gamma radiation dose rates in relation to the lithology in southern part of Kumaon Himalaya, India. Radiation Measurements, 2006, 41, 714-720.	1.4	36
23	Preliminary indoor thoron measurements in high radiation background area of southeastern coastal Orissa, India. Radiation Protection Dosimetry, 2010, 141, 379-382.	0.8	36
24	Measurements of radon flux and soil-gas radon concentration along the Main Central Thrust, Garhwal Himalaya, using SRM and RAD7 detectors. Acta Geophysica, 2013, 61, 950-957.	2.0	36
25	Assessment of natural radioactivity levels and associated dose rates in soil samples from Northern Rajasthan, India. Radiation Protection Dosimetry, 2014, 158, 235-240.	0.8	35
26	Assessment of natural radionuclides in the soil samples from Marwar region of Rajasthan, India. Applied Radiation and Isotopes, 2015, 101, 122-126.	1.5	35
27	Health risks associated with the exposure to uranium and heavy metals through potable groundwater in Uttarakhand state of India. Journal of Radioanalytical and Nuclear Chemistry, 2019, 319, 13-21.	1.5	35
28	A comparative study of the effect of O ⁺⁷ ion beam on polypyrrole and CR-39 (DOP) polymers. Journal Physics D: Applied Physics, 2008, 41, 115411.	2.8	34
29	Comparison of indoor radon level with radon exhalation rate from soil in Garhwal Himalaya. Radiation Measurements, 2009, 44, 1032-1035.	1.4	34
30	Distribution of natural radioactivity in soil samples and radiological hazards in building material of Una, Himachal Pradesh. Journal of Geochemical Exploration, 2014, 142, 11-15.	3.2	32
31	Estimation of annual effective dose from radon concentration along Main Boundary Thrust (MBT) in Garhwal Himalaya. Journal of Radiation Research and Applied Sciences, 2016, 9, 228-233.	1.2	32
32	Long-term measurements of residential radon, thoron, and thoron progeny concentrations around the Chhatrapur placer deposit, a high background radiation area in Odisha, India. Journal of Environmental Radioactivity, 2016, 162-163, 371-378.	1.7	32
33	Effects of swift heavy ions irradiation on polypyrrole thin films. Radiation Effects and Defects in Solids, 2008, 163, 139-147.	1.2	31
34	Micro-Raman and electronic structure study on kinetics of electronic excitations induced monoclinic-to-tetragonal phase transition in zirconium oxide films. RSC Advances, 2016, 6, 104425-104432.	3.6	29
35	Deposition-based passive monitors for assigning radon, thoron inhalation doses for epidemiological studies. Radiation Protection Dosimetry, 2012, 152, 18-24.	0.8	28
36	Influence of electronic excitations on structural, optical and electrical properties of undoped and ant imony doped tin oxide thin films. Thin Solid Films, 2016, 616, 34-42.	1.8	28

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37	A Study of Diurnai Variation of Indoor Radon Concentrations Japanese Journal of Health Physics, 2000, 35, 211-216.	0.1	27
38	Band gap engineering and low temperature transport phenomenon in highly conducting antimony doped tin oxide thin films. Ceramics International, 2016, 42, 5932-5941.	4.8	25
39	Radiological impact assessment of soil and groundwater of Himalayan regions in Uttarakhand, India. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 1269-1282.	1.5	25
40	Distribution of terrestrial gamma radiation dose rate in the eastern coastal area of Odisha, India. Radiation Protection Dosimetry, 2012, 152, 42-45.	0.8	24
41	Uranium and radon estimation in some water samples from Himalayas. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1988, 15, 791-793.	0.5	23
42	Radon variations in an active landslide zone along the Pindar River, in Chamoli District, Garhwal Lesser Himalaya, India. Environmental Geology, 2005, 47, 745-750.	1.2	22
43	A campaign of discrete radon concentration measurements in soil of NiÅ;ka Banja town, Serbia. Radiation Measurements, 2007, 42, 1696-1702.	1.4	22
44	Relation between spring water radon anomalies and seismic activity in Garhwal Himalaya. Acta Geophysica, 2010, 58, 814-827.	2.0	22
45	Distribution of natural radionuclide along Main Central Thrust in Garhwal Himalaya. Journal of Radiation Research and Applied Sciences, 2014, 7, 614-619.	1.2	22
46	Study of radon flux and natural radionuclides (226Ra, 232Th and 40K) in the Main Boundary Thrust region of Garhwal Himalaya. Acta Geophysica, 2018, 66, 1243-1248.	2.0	22
47	Measurement of Radon in Drinking Water and Indoor Air. Radiation Protection Dosimetry, 1997, 74, 103-106.	0.8	21
48	Analysis of natural radionuclides in soil samples of Purola area of Garhwal Himalaya, India. Radiation Protection Dosimetry, 2015, 167, 215-218.	0.8	21
49	Statistical inferences from measured data on concentrations of naturally occurring radon, thoron, and decay products in Kumaun Himalayan belt. Environmental Science and Pollution Research, 2020, 27, 40229-40243.	5.3	21
50	Subsurface soil gas radon changes associated with earthquakes. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1991, 19, 417-420.	0.5	20
51	Estimation of indoor radon concentration based on radon flux from soil and groundwater. Applied Radiation and Isotopes, 2011, 69, 1318-1321.	1.5	20
52	Measurements of radon and thoron progeny concentrations in dwellings of Tehri Garhwal, India, using LR-115 deposition-based DTPS/DRPS technique. Radiation Protection Dosimetry, 2015, 167, 102-106.	0.8	20
53	STUDY OF RADIATION EXPOSURE DUE TO RADON, THORON AND PROGENY IN THE INDOOR ENVIRONMENT OF YAMUNA AND TONS VALLEYS OF GARHWAL HIMALAYA. Radiation Protection Dosimetry, 2016, 171, 187-191.	0.8	20
54	Low temperature resistivity study of nanostructured polypyrrole films under electronic excitations. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 62-66.	1.4	19

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55	Radon studies over main boundary thrust near dehradun (India). International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1988, 15, 617-619.	0.5	18
56	Measurements of radon and thoron concentrations in high radiation background area using pin-hole dosimeter. Radiation Measurements, 2013, 53-54, 71-73.	1.4	18
57	Comparative study of various techniques for environmental radon, thoron and progeny measurements. Radiation Protection Dosimetry, 2015, 167, 22-28.	0.8	18
58	STUDY OF RADIATION EXPOSURE DUE TO RADON, THORON AND THEIR PROGENY IN THE INDOOR ENVIRONMENT OF RAJPUR REGION OF UTTARAKHAND HIMALAYA. Radiation Protection Dosimetry, 2016, 171, 204-207.	0.8	18
59	Significance of thoron measurements in indoor environment. Journal of Environmental Radioactivity, 2020, 225, 106453.	1.7	18
60	Quantification of radiological dose and chemical toxicity due to radon and uranium in drinking water in Bageshwar region of Indian Himalaya. Groundwater for Sustainable Development, 2021, 12, 100491.	4.6	18
61	Study of primordial radionuclides and radon/thoron exhalation rates in Bageshwar region of Kumaun Himalaya, India. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 1361-1367.	1.5	18
62	A model for the correlation between radon anomalies and magnitude of earthquakes. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1988, 15, 689-692.	0.5	17
63	Annealing kinetics of heavy ion radiation damage in crystalline minerals. Nuclear Instruments & Methods in Physics Research B, 1990, 46, 122-124.	1.4	17
64	Field Experience with Soil Gas Mapping Using Japanese Passive Radon/Thoron Discriminative Detectors for Comparing High and Low Radiation Areas in Serbia (Balkan Region). Journal of Radiation Research, 2009, 50, 355-361.	1.6	17
65	Levels and effects of natural radionuclides in soil samples of Garhwal Himalaya. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 869-873.	1.5	17
66	Measurement of 222Rn and 220Rn exhalation rate from soil samples of Kumaun Hills, India. Acta Geophysica, 2018, 66, 1203-1211.	2.0	17
67	Modifications induced by Li+3, Ni+9 and Au+9 ion beams to CR-39 polymer track detector. Radiation Measurements, 2011, 46, 127-132.	1.4	16
68	Variations in radon concentration in groundwater of Kumaon Himalaya, India. Radiation Protection Dosimetry, 2012, 152, 55-57.	0.8	16
69	A COMPARATIVE STUDY OF RADIUM CONTENT AND RADON EXHALATION RATE FROM SOIL SAMPLES USING ACTIVE AND PASSIVE TECHNIQUES. Radiation Protection Dosimetry, 2016, 171, 254-256.	0.8	16
70	A COMPARATIVE STUDY OF DIURNAL VARIATION OF RADON AND THORON CONCENTRATIONS IN INDOOR ENVIRONMENT. Radiation Protection Dosimetry, 2016, 171, 212-216.	0.8	16
71	NATURAL RADIOACTIVITY LEVEL AND ELEMENTAL COMPOSITION OF SOIL SAMPLES FROM A HIGH BACKGROUND RADIATION AREA ON EASTERN COAST OF INDIA (ODISHA). Radiation Protection Dosimetry, 2016, 171, 172-178.	0.8	16
72	INDOOR RADON, THORON AND THEIR PROGENY CONCENTRATIONS IN HIGH THORON RURAL SERBIA ENVIRONMENTS. Radiation Protection Dosimetry, 2017, 177, 36-39.	0.8	16

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73	Environmental radon studies using solid-state nuclear track detectors. Journal of Environmental Radioactivity, 1992, 15, 95-102.	1.7	15
74	A comprehensive study of radon levels and associated radiation doses in Himalayan groundwater. Acta Geophysica, 2018, 66, 1223-1231.	2.0	15
75	Indoor inhalation dose assessment for thoron-rich regions of Indian Himalayan belt. Environmental Science and Pollution Research, 2019, 26, 4855-4866.	5.3	15
76	Seasonal variation on radon emission from soil and water. Indian Journal of Physics, 2009, 83, 1001-1010.	1.8	14
77	Analysis of seasonal variation of indoor radon concentration in Tehri Garhwal, Northern India. Indian Journal of Physics, 2009, 83, 1019-1023.	1.8	14
78	MEASUREMENT OF RADON, THORON AND THEIR PROGENY IN DIFFERENT TYPES OF DWELLING IN ALMORA DISTRICT OF KUMAUN HIMALAYAN REGION. Radiation Protection Dosimetry, 2016, 171, 223-228.	0.8	14
79	Highâ€energy heavyâ€ion irradiation effects in makrofolâ€KG polycarbonate and PET. Journal of Applied Polymer Science, 2011, 121, 3014-3019.	2.6	13
80	MEASUREMENT OF RADON, THORON AND THEIR PROGENY CONCENTRATIONS IN THE DWELLINGS OF PAURI GARHWAL, UTTARAKHAND, INDIA. Radiation Protection Dosimetry, 2016, 171, 234-237.	0.8	13
81	Study of phase transformation induced by electronic excitation in pure and yttrium doped ZrO ₂ thin films. Materials Research Express, 2017, 4, 096401.	1.6	13
82	Dose assessment from the exposure to attached and unattached progeny of radon and thoron in in indoor environment. Acta Geophysica, 2018, 66, 1187-1194.	2.0	13
83	Radon in Tube-Well Drinking Water and Indoor Air. Indoor and Built Environment, 2004, 13, 383-385.	2.8	11
84	Interaction of oxygen (O+7) ion beam on polyaniline thin films. Indian Journal of Physics, 2009, 83, 943-947.	1.8	11
85	Effects of an oxygenâ€ion beam (O ⁺⁷ , 100 MeV) and γ irradiation on polypyrrole films. Journal of Applied Polymer Science, 2010, 115, 2502-2507.	2.6	11
86	Studies of natural radionuclides and dose estimation from soil samples of Kumaun Himalaya, India. Indian Journal of Physics, 2009, 83, 1215-1220.	1.8	10
87	Survey of radon and thoron in homes of Indian Himalaya. Radiation Protection Dosimetry, 2011, 146, 11-13.	0.8	10
88	Study of soil-gas and indoor radon concentration in a test village at Tehri Garhwal, India. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1383-1391.	1.5	10
89	Variation of natural radioactivity in soil and water samples of Garhwal Himalaya, India. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1951-1958.	1.5	10
90	Study of natural radionuclide and absorbed gamma dose in Ukhimath area of Garhwal Himalaya, India. Radiation Protection Dosimetry, 2012, 152, 58-61.	0.8	9

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91	First surface measurement of variation of Cloud Condensation Nuclei (CCN) concentration over the Pristine Himalayan region of Garhwal, Uttarakhand, India. Atmospheric Environment, 2021, 246, 118123.	4.1	9
92	Measurement of Natural Radioactivity, Radon Exhalation Rate and Radiation Hazard Assessment in Indian Cement Samples. Physics Procedia, 2015, 80, 135-139.	1.2	8
93	STUDY OF RADON FLUX FROM SOIL IN BUDHAKEDAR REGION USING SRM. Radiation Protection Dosimetry, 2016, 171, 267-270.	0.8	8
94	Uranium contamination in drinking water as a health concern in Uttarakhand, India. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1933-1940.	1.5	8
95	Levels of indoor radon, thoron, and their progeny in Himalaya. International Congress Series, 2005, 1276, 215-216.	0.2	7
96	Gamma radiation dose rate in indoor, outdoor and underground atmosphere around Tehri dam project, Uttarakhand, India. Indian Journal of Physics, 2009, 83, 1209-1214.	1.8	7
97	Identification and assessment of elevated exposure to natural radiation in Balkan region (Serbia). Radioprotection, 2009, 44, 919-925.	1.0	7
98	Natural radionuclide analysis in chattarpur area of southeastern coastal area of Odisha, India. Acta Geophysica, 2013, 61, 1038-1045.	2.0	6
99	Effect of swift heavy ion on structural and optical properties of highly transparent zinc oxide films. Journal of Sol-Gel Science and Technology, 2015, 76, 608-613.	2.4	6
100	EMISSION OF SOIL GAS RADON CONCENTRATION AROUND MAIN CENTRAL THRUST IN UKHIMATH (RUDRAPRAYAG) REGION OF GARHWAL HIMALAYA. Radiation Protection Dosimetry, 2016, 171, 243-247.	0.8	6
101	Estimation of natural radionuclides in the soil samples and its radiological impact on human health. Radiation Effects and Defects in Solids, 2018, 173, 673-682.	1.2	6
102	Annealing Effects on Gas Sensing Response of Ga-Doped ZnO Thin Films. ACS Omega, 2021, 6, 11660-11668.	3.5	6
103	Natural radiation level in the environment of Tehri Garhwal, Uttaranchal. International Journal of Environment and Pollution, 2004, 22, 628.	0.2	5
104	Variation of radon concentrations in soil and groundwater and its correlation with radon exhalation rate from soil in Budhakedar, Garhwal Himalaya. Indian Journal of Physics, 2009, 83, 887-892.	1.8	5
105	Ion Beam Induced Modifications in Conducting Polymers. Defect and Diffusion Forum, 0, 341, 69-105.	0.4	5
106	Evaluation of background radiation level and excess lifetime cancer risk in Doon valley, Garhwal Himalaya. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1545-1557.	1.5	5
107	A comparative study of thorium activity in NORM and high background radiation area. Radiation Protection Dosimetry, 2010, 141, 416-419.	0.8	4
108	Photoluminescence and reflectivity studies of high energy light ions irradiated polymethyl methacrylate films. Optical Materials, 2017, 73, 550-554.	3.6	4

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109	Study of indoor radon, thoron and their decay products level in residences of Udham Singh Nagar district of Uttarakhand, India. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	4
110	Effective dose estimation of radon, thoron and their progeny concentrations in the environs of Himalayan belt, India. International Journal of Environmental Science and Technology, 2023, 20, 4127-4138.	3.5	4
111	Annealing of heavy ion radiation damage in muscovite mica and concept of single activation energy. Radiation Effects, 1989, 107, 75-78.	0.4	2
112	Opto-chemical response of Makrofol-KG to swift heavy ion irradiation. Pramana - Journal of Physics, 2011, 77, 707-714.	1.8	2
113	The role of electronic energy loss in PET polymer. Radiation Effects and Defects in Solids, 2011, 166, 621-627.	1.2	2
114	Estimation of past radon exposure to indoor radon from embedded 210Po in household glass. Radiation Protection Dosimetry, 2012, 152, 46-50.	0.8	2
115	Modifications induced by O ⁺⁸ ion beam to Lexan polycarbonate. Radiation Effects and Defects in Solids, 2013, 168, 594-600.	1.2	2
116	Thermal Annealing Induced Anomalous Band Gap Modifications in Nanocrystalline Antimony Doped Tin Oxide Thin Films. Advanced Science Letters, 2014, 20, 1410-1413.	0.2	2
117	Report on the First Meeting on "Construction of Natural Radiation Exposure Study Network―by Special Coordination Funds for Promoting Science and Technology of Ministry of Education, Culture, Sports, Science and Technology. Japanese Journal of Health Physics, 2010, 45, 15-18.	0.1	2
118	Radiological dose estimation due to exposure to attached and unattached fractions of radon and thoron progeny concentrations. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1967-1974.	1.5	2
119	Fifteenth National Symposium on Solid State Nuclear Track Detectors and Their Applications, held at H.N.B. Garhwal University Campus, Tehri Garhwal, India, June 21–23, 2007. Radiation Measurements, 2008, 43, 129-130.	1.4	1
120	Retrospective assessment of indoor radon exposure by measurements of embedded 210Po activity in glass objects. Atmospheric Environment, 2008, 42, 9123-9127.	4.1	1
121	Effects of Li and Au ion beams irradiation on Makrofol-KG. Radiation Effects and Defects in Solids, 2013, 168, 580-586.	1.2	1
122	Continuous measurement of equilibrium equivalent radon/thoron concentration using time-integrated flow-mode grab sampler. Acta Geophysica, 2018, 66, 1267-1272.	2.0	1
123	Study of radiation exposure due to indoor radon, thoron and progeny in Ghuttu, Tehri Garhwal, India. Journal of Radioanalytical and Nuclear Chemistry, 0, , 1.	1.5	1
124	Evaluation of natural radioactivity levels and 222Rn, 220Rn exhalation rate in the soil of the Himalayan belt of Uttarakhand, India. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 1589.	1.5	1
125	Radon Variations in Soil and Groundwater of Bhilagana Valley, Garhwal Himalaya, India. Japanese Journal of Health Physics, 2010, 45, 278-283.	0.1	1
126	Assessment of dose due to exposure to indoor radon and thoron progeny. Nuclear Technology and Radiation Protection, 2010, 25, 198-204.	0.8	1

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127	Geochemical exploration of uranium using radon measurement techniques. Chemical Geology, 1988, 70, 190.	3.3	0
128	Expert system for HF communication link. , 0, , .		0
129	Geo-Hazards. Acta Geophysica, 2013, 61, 773-774.	2.0	Ο
130	Effects of Li ³⁺ and Ni ⁹⁺ Ion Beams on Polyether Sulfone Polymer. Advances in Polymer Technology, 2013, 32, .	1.7	0
131	First National Conference on Radiation Awareness and Detection in Natural Environment, Tehri Garhwal, India, June 15–17, 2015. Radiation Protection Dosimetry, 2016, 171, 171-171.	0.8	0
132	Ion Beams Induced Modifications in Polysulphone Polymer. Advanced Science Letters, 2014, 20, 1151-1154.	0.2	0
133	Occurrence of Radon in the Drinking Water of Dehradun City, India. Indoor and Built Environment, 1999, 8, 67-70.	2.8	0
134	Radon Studies in the Vertical 15 UD Pelletron Accelerator Facility. Indoor and Built Environment, 2002, 11, 221-226.	2.8	0