

# FatÄ°h KÃœelahÃi

## List of Publications by Year in descending order

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52  
papers

620  
citations

687363

13  
h-index

677142

22  
g-index

57  
all docs

57  
docs citations

57  
times ranked

435  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radon transport from soil to air and Monte-Carlo simulation. Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 227, 105803.	1.6	5
2	Potential utilization of air temperature, total electron content, and air relative humidity as possible earthquake precursors: A case study of Mexico M7.4 earthquake. Journal of Atmospheric and Solar-Terrestrial Physics, 2022, 237, 105927.	1.6	6
3	Radiological risk from activity concentrations of natural radionuclides: Cumulative Hazard Index. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 105-122.	1.5	11
4	A mobile simulation and ARIMA modeling for prediction of air radiation dose rates. Journal of Radioanalytical and Nuclear Chemistry, 2021, 328, 889-901.	1.5	1
5	Determination of possible responses of Radon-222, magnetic effects, and total electron content to earthquakes on the North Anatolian Fault Zone, Turkiye: an ARIMA and Monte Carlo Simulation. Natural Hazards, 2021, 108, 2493-2512.	3.4	9
6	Long Short Term Memory networks (LSTM)-Monte-Carlo simulation of soil ionization using radon. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 221, 105688.	1.6	7
7	Modeling radon time series on the North Anatolian Fault Zone, Turkiye: Fourier transforms and Monte Carlo simulations. Natural Hazards, 2020, 104, 979-996.	3.4	18
8	Statistical analysis for $^{134}\text{Cs}$ and $^{137}\text{Cs}$ radioactivity risk levels modeling. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1047-1064.	1.5	6
9	Monte Carlo simulations and forecasting of Radium-226, Thorium-232, and Potassium-40 radioactivity concentrations. Journal of Radioanalytical and Nuclear Chemistry, 2020, 324, 55-70.	1.5	14
10	Spatial modelling of $^{137}\text{Cs}$ and $^{90}\text{Sr}$ fallout after the Fukushima Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 431-454.	1.5	5
11	Advances on identification and animated simulations of radioactivity risk levels after Fukushima Nuclear Power Plant accident (with a data bank): A Critical Review. Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 1-30.	1.5	8
12	Transport modeling of $^{137}\text{Cs}$ in soil after Fukushima Dai-Ichi Nuclear Power Plant accident by point cumulative semi-variogram method. Environmental Earth Sciences, 2019, 78, 1.	2.7	6
13	On the determination of transportation, range and distribution characteristics of Uranium-238, Thorium-232 and Potassium-40: a critical review. Environmental Earth Sciences, 2019, 78, 1.	2.7	4
14	A suggestion to radiological hazards characterization of $^{226}\text{Ra}$ , $^{232}\text{Th}$ , $^{40}\text{K}$ and $^{137}\text{Cs}$ : spatial distribution modelling. Journal of Hazardous Materials, 2018, 353, 476-489.	12.4	32
15	Descriptive statistics and risk assessment for the control of seasonal pollutant effects of $^{210}\text{Po}$ and $^{210}\text{Pb}$ in coastal waters (Añanakkale, Turkey). Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 285-292.	1.5	4
16	Results of the simultaneous measurements of radon around the Black Sea for seismological applications. Journal of Environmental Radioactivity, 2018, 192, 48-66.	1.7	19
17	Application of chaos analyses methods on East Anatolian Fault Zone fractures. AIP Conference Proceedings, 2016, , .	0.4	0
18	Risk analysis of $^{222}\text{Rn}$ gas received from East Anatolian Fault Zone in Turkey. AIP Conference Proceedings, 2016, , .	0.4	0

#	ARTICLE	IF	CITATIONS
19	Chaotic Behavior of Soil Radon Gas and Applications. Acta Geophysica, 2016, 64, 1563-1592.	2.0	17
20	Proposals for risk assessment of major cations in surface water and deep sediment: iso-cation curves, probabilities of occurrence and non-occurrence of cations. Environmental Earth Sciences, 2016, 75, 1.	2.7	4
21	Spatiotemporal (four-dimensional) modeling and simulation of uranium (238) in Hazar Lake (Turkey) water. Environmental Earth Sciences, 2016, 75, 1.	2.7	7
22	Time series analysis of <sup>222</sup> Rn gas measurements received from Osmaniye region. , 2015, , .		0
23	Spatiotemporal modeling and simulation of chernobyl radioactive fallout in northern Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 171-186.	1.5	4
24	Time-series analysis of water and soil radon anomalies to identify micro-“macro-earthquakes. Arabian Journal of Geosciences, 2015, 8, 5239-5246.	1.3	17
25	Investigation nonlinear behavior of radon gas ( <sup>222</sup> Rn). , 2014, , .		2
26	Dose rates and seasonal variations of 238U, 232Th, 226Ra 40K and 137Cs radionuclides in soils along Thrace, Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 95-101.	1.5	24
27	On the Correction of Spatial and Statistical Uncertainties in Systematic Measurements of 222Rn for Earthquake Prediction. Surveys in Geophysics, 2014, 35, 449-478.	4.6	29
28	Perturbed effects at radiation physics. Radiation Physics and Chemistry, 2013, 90, 26-31.	2.8	0
29	Determination of 90Sr, 129I and gross beta radioactivity concentration in some teas. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 313-318.	1.5	3
30	A risk analysis model for radioactive wastes. Journal of Hazardous Materials, 2011, 191, 349-355.	12.4	11
31	Risk assessment of distribution coefficient from 137Cs measurements. Environmental Monitoring and Assessment, 2009, 149, 363-370.	2.7	7
32	Soil radon monitoring and anomalies in East Anatolian Fault System (Turkey). Journal of Radioanalytical and Nuclear Chemistry, 2009, 279, 159-164.	1.5	17
33	Spatio-temporal modeling of 210Pb transportation in lake environments. Journal of Hazardous Materials, 2009, 165, 525-532.	12.4	19
34	Potential utilization of the absolute point cumulative semivariogram technique for the evaluation of distribution coefficient. Journal of Hazardous Materials, 2009, 168, 1387-1396.	12.4	11
35	Artificial neural network model for earthquake prediction with radon monitoring. Applied Radiation and Isotopes, 2009, 67, 212-219.	1.5	57
36	On harmonic curvatures of a Frenet curve in Lorentzian space. Chaos, Solitons and Fractals, 2009, 41, 1668-1675.	5.1	7

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37	Cesium Concentration Spatial Distribution Modeling by Point Cumulative Semivariogram. Water, Air, and Soil Pollution, 2008, 195, 151-160.	2.4	11
38	Assessment of <sup>222</sup> Rn concentration and terrestrial gamma-radiation dose rates in the seismically active area. Journal of Radioanalytical and Nuclear Chemistry, 2008, 278, 59-63.	1.5	3
39	Multivariate statistical analyses of artificial radionuclides and heavy metals contaminations in deep mud of Keban Dam Lake, Turkey. Applied Radiation and Isotopes, 2008, 66, 236-246.	1.5	31
40	Spatial dispersion modeling of <sup>90</sup> Sr by point cumulative semivariogram at Keban Dam Lake, Turkey. Applied Radiation and Isotopes, 2007, 65, 1070-1077.	1.5	9
41	Measurement of uranium concentration in soil samples by two different methods. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 195-197.	1.5	7
42	Physical and chemical investigation of water and sediment of the Keban Dam Lake, Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2006, 268, 517-528.	1.5	9
43	Physical and chemical investigation of water and sediment of the Keban Dam Lake, Turkey.: Journal of Radioanalytical and Nuclear Chemistry, 2006, 268, 529-537.	1.5	16
44	Prediction of the radioactivity in Hazar Lake (Sivrice, Turkey) by artificial neural networks. Journal of Radioanalytical and Nuclear Chemistry, 2006, 269, 63-68.	1.5	8
45	Physical and chemical investigation of water and sediment of the Keban Dam Lake, Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2006, 268, 517-528.	1.5	2
46	Physical and chemical investigation of water and sediment of the Keban Dam Lake, Turkey.: Journal of Radioanalytical and Nuclear Chemistry, 2006, 268, 529-537.	1.5	2
47	The Statistical Analysis of the Radioactivity Concentration of the Water Data in Malatya City, Turkey. , 2005, , 865-871.		0
48	Iso-radioactivity curves of the water of the Hazar Lake, Elazığ, Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2004, 260, 557-562.	1.5	13
49	Concentrations of heavy metal and radioactivity in surface water and sediment of Hazar Lake (Elazığ), Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2004, 260, 557-562.	1.0784314	110
50	Forecasting of Ra(226), Th(232) and U(238) Concentrations using Artificial Neural Networks (ANNs). Cumhuriyet Science Journal, 0, , 87-94.	0.3	2
51	An Adaptive Neuro-Fuzzy Inference System (ANFIS) of Radioactivity Levels in Hazar Lake. Cumhuriyet Science Journal, 0, , 413-423.	0.3	0
52	Cumulative Ordinary Kriging interpolation model to forecast radioactive fallout, and its application to Chernobyl and Fukushima assessment: a new method and mini review. Environmental Science and Pollution Research, 0, , .	5.3	1