FatÄºh KÃœlahÃi

List of Publications by Year
in descending order

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50 papers	620 citations	777949 13 h-index	759306 22 g-index
57 all docs	57 docs citations	57 times ranked	476 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.	0.6	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.	0.6	6
3	Radiological risk from activity concentrations of natural radionuclides: Cumulative Hazard Index. Journal of Radioanalytical and Nuclear Chemistry, 2021, 327, 105-122.	0.7	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.	0.7	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.	1.6	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.	0.6	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.	1.6	18
8	Statistical analysis for 134Cs and 137Cs radioactivity risk levels modeling. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1047-1064.	0.7	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.	0.7	14
10	Spatial modelling of Cs-137 and Sr-90 fallout after the Fukushima Nuclear Power Plant accident. Journal of Radioanalytical and Nuclear Chemistry, 2019, 322, 431-454.	0.7	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.	0.7	8
12	Transport modeling of 137Cs in soil after Fukushima Dai-Ichi Nuclear Power Plant accident by point cumulative semi-variogram method. Environmental Earth Sciences, 2019, 78, 1.	1.3	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.	1.3	4
14	A suggestion to radiological hazards characterization of 226Ra, 232Th, 40K and 137Cs: spatial distribution modelling. Journal of Hazardous Materials, 2018, 353, 476-489.	6.5	32
15	Descriptive statistics and risk assessment for the control of seasonal pollutant effects of 210Po and 210Pb in coastal waters (Ã‡anakkale, Turkey). Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 285-292.	0.7	4
16	Results of the simultaneous measurements of radon around the Black Sea for seismological applications. Journal of Environmental Radioactivity, 2018, 192, 48-66.	0.9	19
17	Application of chaos analyses methods on East Anatolian Fault Zone fractures. AIP Conference Proceedings, 2016, , .	0.3	0
18	Risk analysis of 222Rn gas received from East Anatolian Fault Zone in Turkey. AIP Conference Proceedings, 2016, , .	0.3	0

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19	Chaotic Behavior of Soil Radon Gas and Applications. Acta Geophysica, 2016, 64, 1563-1592.	1.0	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.	1.3	4
21	Spatiotemporal (four-dimensional) modeling and simulation of uranium (238) in Hazar Lake (Turkey) water. Environmental Earth Sciences, 2016, 75, 1.	1.3	7
22	Time series analysis of ²²²Rn 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.	0.7	4
24	Time-series analysis of water and soil radon anomalies to identify microâ€“macro-earthquakes. Arabian Journal of Geosciences, 2015, 8, 5239-5246.	0.6	17
25	Investigation nonlinear behavior of radon gas (²²²Rn). , 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.	0.7	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.	2.1	29
28	Perturbed effects at radiation physics. Radiation Physics and Chemistry, 2013, 90, 26-31.	1.4	0
29	Determination of 90Sr, 129I and gross beta radioactivity concentration in some teas. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 313-318.	0.7	3
30	A risk analysis model for radioactive wastes. Journal of Hazardous Materials, 2011, 191, 349-355.	6.5	11
31	Risk assessment of distribution coefficient from 137Cs measurements. Environmental Monitoring and Assessment, 2009, 149, 363-370.	1.3	7
32	Soil radon monitoring and anomalies in East Anatolian Fault System (Turkey). Journal of Radioanalytical and Nuclear Chemistry, 2009, 279, 159-164.	0.7	17
33	Spatio-temporal modeling of 210Pb transportation in lake environments. Journal of Hazardous Materials, 2009, 165, 525-532.	6.5	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.	6.5	11
35	Artificial neural network model for earthquake prediction with radon monitoring. Applied Radiation and Isotopes, 2009, 67, 212-219.	0.7	57
36	On harmonic curvatures of a Frenet curve in Lorentzian space. Chaos, Solitons and Fractals, 2009, 41, 1668-1675.	2.5	7

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37	Cesium Concentration Spatial Distribution Modeling by Point Cumulative Semivariogram. Water, Air, and Soil Pollution, 2008, 195, 151-160.	1.1	11
38	Assessment of 222Rn concentration and terrestrial gamma-radiation dose rates in the seismically active area. Journal of Radioanalytical and Nuclear Chemistry, 2008, 278, 59-63.	0.7	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.	0.7	31
40	Spatial dispersion modeling of 90Sr by point cumulative semivariogram at Keban Dam Lake, Turkey. Applied Radiation and Isotopes, 2007, 65, 1070-1077.	0.7	9
41	Measurement of uranium concentration in soil samples by two different methods. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 195-197.	0.7	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.	0.7	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.	0.7	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.	0.7	8
45	The Statistical Analysis of the Radioactivity Concentration of the Water Data in Malatya City, Turkey. , 2005, , 865-871.		0
46	Iso-radioactivity curves of the water of the Hazar Lake, Elazig, Turkey. Journal of Radioanalytical and Nuclear Chemistry, 2004, 260, 557-562.	0.7	13
47	Concentrations of heavy metal and radioactivity in surface water and sediment of Hazar Lake (ElazÄ±ÄŸ,) Tj ETQq1 1 0.784314 rgBT /	4.2	110
48	Forecasting of Ra(226), Th(232) and U(238) Concentrations using Artificial Neural Networks (ANNs). Cumhuriyet Science Journal, 0, , 87-94.	0.1	2
49	An Adaptive Neuro-Fuzzy Inference System (ANFIS) of Radioactivity Levels in Hazar Lake. Cumhuriyet Science Journal, 0, , 413-423.	0.1	0
50	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, , .	2.7	1