

Abdolreza Karbassi

List of Publications by Year in descending order

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126
papers

3,995
citations

117453

34
h-index

149479

56
g-index

127
all docs

127
docs citations

127
times ranked

4364
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of input variables determination on the SVM model performance using PCA, Gamma test, and forward selection techniques for monthly stream flow prediction. <i>Journal of Hydrology</i> , 2011, 401, 177-189.	2.3	306
2	Metal pollution assessment of sediment and water in the Shur River. <i>Environmental Monitoring and Assessment</i> , 2008, 147, 107-116.	1.3	244
3	Evaluation of spatial and seasonal variations in surface water quality using multivariate statistical techniques. <i>International Journal of Environmental Science and Technology</i> , 2009, 6, 467-476.	1.8	165
4	Multivariate statistical analysis of surface water quality based on correlations and variations in the data set. <i>Desalination</i> , 2010, 260, 129-136.	4.0	158
5	Environmental management of coastal regions in the Caspian Sea. <i>International Journal of Environmental Science and Technology</i> , 2008, 5, 43-52.	1.8	109
6	Groundwater quality degradation of an aquifer in Iran central desert. <i>Desalination</i> , 2010, 260, 264-275.	4.0	105
7	Environmental impacts of desalination on the ecology of Lake Urmia. <i>Journal of Great Lakes Research</i> , 2010, 36, 419-424.	0.8	103
8	Bioaccumulation of trace elements in water, sediment, and six fish species from a freshwater wetland, Iran. <i>Microchemical Journal</i> , 2012, 104, 1-6.	2.3	84
9	Iran's Agriculture in the Anthropocene. <i>Earth's Future</i> , 2020, 8, e2020EF001547.	2.4	82
10	Evaluating the efficiency of sediment metal pollution indices in interpreting the pollution of Haraz River sediments, southern Caspian Sea basin. <i>Environmental Monitoring and Assessment</i> , 2010, 171, 395-410.	1.3	77
11	Heavy metal pollution in water and sediments in the Kabini River, Karnataka, India. <i>Environmental Monitoring and Assessment</i> , 2011, 182, 1-13.	1.3	73
12	The effects of socioeconomic parameters on household solid-waste generation and composition in developing countries (a case study: Ahvaz, Iran). <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1841-1846.	1.3	73
13	Impact of major organophosphate pesticides used in agriculture to surface water and sediment quality (Southern Caspian Sea basin, Haraz River). <i>Environmental Earth Sciences</i> , 2011, 63, 873-883.	1.3	66
14	Optimizing Coagulation Process for Low to High Turbidity Waters Using Aluminum and Iron Salts. <i>American Journal of Environmental Sciences</i> , 2010, 6, 442-448.	0.3	65
15	Sustainability of energy production and use in Iran. <i>Energy Policy</i> , 2007, 35, 5171-5180.	4.2	63
16	A comparative study of elemental pollution and health risk assessment in urban dust of different land-uses in Tehran's urban area. <i>Chemosphere</i> , 2020, 241, 124984.	4.2	61
17	Flocculation of dissolved Pb, Cu, Zn and Mn during estuarine mixing of river water with the Caspian Sea. <i>Environmental Pollution</i> , 1996, 93, 257-260.	3.7	59
18	Sorbed metals fractionation and risk assessment of release in river sediment and particulate matter. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 1737-1754.	1.3	59

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19	Comparative cancer risk assessment of THMs in drinking water from well water sources and surface water sources. <i>Environmental Monitoring and Assessment</i> , 2011, 179, 499-507.	1.3	58
20	Predicting the Longitudinal Dispersion Coefficient Using Support Vector Machine and Adaptive Neuro-Fuzzy Inference System Techniques. <i>Environmental Engineering Science</i> , 2009, 26, 1503-1510.	0.8	54
21	Flocculation of heavy metals during mixing of freshwater with Caspian Sea water. <i>Environmental Geology</i> , 2008, 53, 1811-1816.	1.2	51
22	Removal of mercury from contaminated saline wastewaters using dithiocarbamate functionalized-magnetic nanocomposite. <i>Journal of Environmental Management</i> , 2018, 213, 66-78.	3.8	51
23	Origin and chemical partitioning of heavy metals in riverbed sediments. <i>International Journal of Environmental Science and Technology</i> , 2006, 3, 35-42.	1.8	50
24	Influence of copper mine on surface water quality. <i>International Journal of Environmental Science and Technology</i> , 2007, 4, 85-91.	1.8	48
25	Marine organisms as heavy metal bioindicators in the Persian Gulf and the Gulf of Oman. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2386-2395.	2.7	48
26	Contamination and cancer risk assessment of polycyclic aromatic hydrocarbons (PAHs) in urban dust from different land-uses in the most populated city of Iran. <i>Ecotoxicology and Environmental Safety</i> , 2020, 187, 109838.	2.9	45
27	Bioavailability and Concentration of Heavy Metals in the Sediments and Leaves of Grey Mangrove, <i>Avicennia marina</i> (Forsk.) Vierh, in Sirik Azini Creek, Iran. <i>Biological Trace Element Research</i> , 2011, 143, 1121-1130.	1.9	43
28	Assessing the trace metal pollution in the sediments of Mahshahr Bay, Persian Gulf, via a novel pollution index. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 613.	1.3	43
29	Geochemistry of heavy metals and sedimentation rate in a bay adjacent to the Caspian Sea. <i>International Journal of Environmental Science and Technology</i> , 2004, 1, 191-198.	1.8	42
30	Influence of Sungun copper mine on groundwater quality, NW Iran. <i>Environmental Geology</i> , 2009, 58, 693-700.	1.2	41
31	A renewable energies-assisted sustainable development plan for Iran using techno-econo-socio-environmental multivariate analysis and big data. <i>Energy Conversion and Management</i> , 2017, 153, 257-277.	4.4	41
32	Assessment of metal pollution in the Anzali Wetland sediments using chemical partitioning method and pollution indices. <i>Acta Oceanologica Sinica</i> , 2016, 35, 28-36.	0.4	39
33	Bioaccumulation of Trace Elements in Trophic Levels of Wetland Plants and Waterfowl Birds. <i>Biological Trace Element Research</i> , 2011, 142, 500-516.	1.9	38
34	A cost-effective strategy for marine microalgae separation by electro-coagulation-flotation process aimed at bio-crude oil production: Optimization and evaluation study. <i>Separation and Purification Technology</i> , 2015, 147, 156-165.	3.9	38
35	Supercritical water gasification of microalga <i>Chlorella</i> PTCC 6010 for hydrogen production: Box-Behnken optimization and evaluating catalytic effect of MnO ₂ /SiO ₂ and NiO/SiO ₂ . <i>Renewable Energy</i> , 2018, 126, 189-201.	4.3	38
36	Chemometric Analysis of Surface Water Quality Data: Case Study of the Gorganrud River Basin, Iran. <i>Environmental Modeling and Assessment</i> , 2012, 17, 411-420.	1.2	37

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37	Partitioning of metals in sediments of the Haraz River (Southern Caspian Sea basin). <i>Environmental Earth Sciences</i> , 2010, 59, 1111-1117.	1.3	36
38	A novel pollution index based on the bioavailability of elements: a study on Anzali wetland bed sediments. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 2329-2348.	1.3	34
39	Increasing microalgal carbohydrate content for hydrothermal gasification purposes. <i>Renewable Energy</i> , 2018, 116, 710-719.	4.3	34
40	Role of riverine sediment and particulate matter in adsorption of heavy metals. <i>International Journal of Environmental Science and Technology</i> , 2004, 1, 135-140.	1.8	31
41	Role of metal species in flocculation rate during estuarine mixing. <i>International Journal of Environmental Science and Technology</i> , 2010, 7, 327-336.	1.8	31
42	Behavior of Cu, Zn, Pb, Ni and Mn during mixing of freshwater with the Caspian Sea water. <i>Desalination</i> , 2008, 229, 118-124.	4.0	30
43	Simulation process of biodiesel production plant. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, e13264.	1.3	30
44	Fuzzy analytic network process approach to evaluate land and sea criteria for land use planning in coastal areas. <i>Ocean and Coastal Management</i> , 2015, 116, 368-381.	2.0	28
45	Heavy metals in sediments and their bioaccumulation in <i>Phragmites australis</i> in the Anzali wetland of Iran. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 810-820.	0.7	28
46	Ecological risk assessment of metals contamination in the sediment of the Bamdezh wetland, Iran. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 951-958.	1.8	27
47	Evaluation of Urban Soil Pollution: A Combined Approach of Toxic Metals and Polycyclic Aromatic Hydrocarbons (PAHs). <i>International Journal of Environmental Research</i> , 2019, 13, 801-811.	1.1	27
48	Bioaccumulation of trace elements in different tissues of three commonly available fish species regarding their gender, gonadosomatic index, and condition factor in a wetland ecosystem. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 1865-1878.	1.3	26
49	Attenuation of municipal landfill leachate through land treatment. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 12.	1.4	25
50	Effect of pH and salinity on flocculation process of heavy metals during mixing of Aras River water with Caspian Sea water. <i>Environmental Earth Sciences</i> , 2014, 72, 457-465.	1.3	25
51	A systematic approach of bottom-up assessment methodology for an optimal design of hybrid solar/wind energy resources – Case study at middle east region. <i>Energy Conversion and Management</i> , 2017, 145, 138-157.	4.4	25
52	Geochemistry of Ni, Zn, Cu, Pb, Co, Cd, V, Mn, Fe, Al and Ca in sediments of North Western part of the Persian Gulf. <i>International Journal of Environmental Studies</i> , 1998, 54, 205-212.	0.7	24
53	Evolution of a new surface water quality index for Karoon catchment in Iran. <i>Water Science and Technology</i> , 2011, 64, 2483-2491.	1.2	24
54	Evaluating the metallic pollution of riverine water and sediments: a case study of Aras River. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 197-203.	1.3	23

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55	Antioxidant response to metal pollution in <i>Phragmites australis</i> from Anzali wetland. <i>Marine Pollution Bulletin</i> , 2017, 119, 376-380.	2.3	23
56	Determination of naturally occurring radioactive materials (NORM) in formation water during oil exploration. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2010, 283, 3-7.	0.7	21
57	Flocculation of metals during mixing of Siyahrud River water with Caspian Sea water. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 6903-6911.	1.3	21
58	Effect of dissolved organic carbon and salinity on flocculation process of heavy metals during mixing of the Navrud River water with Caspian Seawater. <i>Desalination and Water Treatment</i> , 2015, 55, 926-934.	1.0	21
59	Dissolved and particulate trace metal geochemistry during mixing of Karganrud River with Caspian Sea water. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2143-2151.	0.6	21
60	Life Cycle and Economic Assessments of Key Emerging Energy Efficient Wastewater Treatment Processes for Climate Change Adaptation. <i>International Journal of Environmental Research</i> , 2018, 12, 815-827.	1.1	21
61	Flocculation of dissolved Mn, Zn, Ni and Cu During the mixing of tadjan river water with caspian sea water. <i>International Journal of Environmental Studies</i> , 2003, 60, 575-580.	0.7	20
62	Impact of oil excavation activities on soil metallic pollution, case study of an Iran southern oil field. <i>Environmental Earth Sciences</i> , 2013, 70, 1219-1224.	1.3	20
63	Temporal metal concentration in coastal sediment at the north region of Persian Gulf. <i>Marine Pollution Bulletin</i> , 2018, 135, 880-888.	2.3	20
64	Removal of Heavy Metal Contaminants from Wastewater by Using <i>Chlorella vulgaris</i> Beijerinck: A Review. <i>Current Environmental Management</i> , 2020, 6, 174-187.	0.7	20
65	Environmental risk assessment of harmful algal blooms case study: Persian Gulf and Oman Sea located at Hormozgan Province, Iran. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 271-296.	1.7	19
66	Association of trace metals with various sedimentary phases in dam reservoirs. <i>International Journal of Environmental Science and Technology</i> , 2011, 8, 841-852.	1.8	17
67	Designing a developed model for assessing the disaster induced vulnerability value in educational centers. <i>Safety Science</i> , 2011, 49, 679-685.	2.6	17
68	The impact of increased oxygen conditions on heavy metal flocculation in the Sefidrud estuary. <i>Marine Pollution Bulletin</i> , 2017, 121, 168-175.	2.3	17
69	Development of a model to assess environmental performance, concerning HSE-MS principles. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 517-528.	1.3	16
70	Impacts of land use and land cover change on the interactions among multiple soil-dependent ecosystem services (case study: Jiroft plain, Iran). <i>Environmental Geochemistry and Health</i> , 2021, 43, 3977-3996.	1.8	16
71	Release of heavy metals under pre-set redox potentials in Musa estuary sediments, northwestern of Persian Gulf. <i>Marine Pollution Bulletin</i> , 2021, 168, 112390.	2.3	16
72	Assessment of Heavy Metal Pollution in Tilehbon River Sediments, Iran. <i>Journal of Applied Sciences</i> , 2009, 9, 1190-1193.	0.1	16

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73	Potential for reducing air pollution from oil refineries. <i>Environmental Monitoring and Assessment</i> , 2008, 145, 159-166.	1.3	15
74	Bioremediation of TNT Contaminated Soil by Composting with Municipal Solid Wastes. <i>Soil and Sediment Contamination</i> , 2010, 19, 504-514.	1.1	15
75	Development of a New Pollution Index for Heavy Metals in Sediments. <i>Biological Trace Element Research</i> , 2011, 143, 1828-1842.	1.9	15
76	A survey on bioconcentration capacities of some marine parasitic and free-living organisms in the Gulf of Oman. <i>Ecological Indicators</i> , 2014, 37, 99-104.	2.6	15
77	Comparison of controlling mechanisms of flocculation processes in estuaries. <i>International Journal of Environmental Science and Technology</i> , 2010, 7, 731-736.	1.8	14
78	Catalytic chemical reduction of nitrate from simulated groundwater using hydrogen radical produced on the surface of palladium catalyst supported on the magnetic alumina nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5249-5258.	3.3	14
79	Speciation of metals and metalloids in Anzali Wetland, Iran. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1411-1424.	1.8	14
80	POLLUTION WITH METALS (As, Sb, Hg, Zn) IN AGRICULTURAL SOIL LOCATED CLOSE TO ZARSHURAN GOLD MINE, IRAN. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 115-120.	0.2	14
81	Reduction of environmental pollution through optimization of energy use in cement industries. <i>International Journal of Environmental Science and Technology</i> , 2010, 7, 127-134.	1.8	13
82	A pollution index for agricultural soils. <i>Archives of Agronomy and Soil Science</i> , 2016, 62, 1411-1424.	1.3	13
83	Management of post-earthquake construction debris in Tehran Metropolitan. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 639-648.	1.8	13
84	Sedimentation rate determination and heavy metal pollution assessment in Zariwar Lake, Iran. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	13
85	Geospatial patterns and background levels of heavy metal in deposited particulate matter in Bushehr, Iran. <i>Arabian Journal of Geosciences</i> , 2015, 8, 2081-2093.	0.6	11
86	Potential of natural bed soil in adsorption of heavy metals in industrial waste landfill. <i>International Journal of Environmental Science and Technology</i> , 2010, 7, 545-552.	1.8	10
87	Implementation of green management concepts in sport complexes. <i>International Journal of Environmental Science and Technology</i> , 2006, 3, 213-219.	1.8	9
88	Magnetic susceptibility as a proxy to heavy metal content in the sediments of Anzali wetland, Iran. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2012, 9, 34.	1.8	9
89	A Cost-Benefit Analysis of Bakhtiari Hydropower Dam Considering the Nexus between Energy and Water. <i>Energies</i> , 2022, 15, 871.	1.6	9
90	Landfill Site Selection Using Pollution Potential Zoning of Aquifers by Modified DRASTIC Method: Case Study in Northeast Iran. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 2017, 41, 229-239.	1.0	8

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91	Developing an environmental water quality monitoring program for Haraz River in Northern Iran. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 410.	1.3	8
92	Study of speciation and spatial variation of pollutants in Anzali Wetland (Iran) using linear regression, Kriging and multivariate analysis. <i>Environmental Science and Pollution Research</i> , 2020, 27, 16827-16840.	2.7	8
93	Minimization of air pollutants emissions by process improvement of catalytic reforming unit in an Iranian old refinery. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 743-749.	2.1	7
94	Historical changes in distribution and partitioning of natural and anthropogenic shares of heavy metals in sediment core from the southern Caspian Sea. <i>Environmental Earth Sciences</i> , 2012, 67, 799-811.	1.3	7
95	Evaluating soil metallic pollution and consequent human health hazards in the vicinity of an industrialized zone, case study of Mubarakkeh steel complex, Iran. <i>Journal of Environmental Health Science & Engineering</i> , 2015, 13, 75.	1.4	7
96	Study on non-linear equilibrium, kinetics and thermodynamic of deltamethrin removal in aqueous solution using modified magnetic iron oxide nanoparticles. <i>Water Science and Technology</i> , 2017, 76, 847-858.	1.2	7
97	A STUDY OF POLLUTION IN SEDIMENTS FROM ANZALI WETLAND WITH GEO-ACCUMULATION INDEX AND ECOLOGICAL RISK ASSESSMENT. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 2255-2262.	0.2	7
98	Estuarine capacity in removal of trace metals from contaminated river water, Southern Caspian Sea. <i>Water and Environment Journal</i> , 2008, 22, 193-198.	1.0	6
99	Nuclear Power and Its Role in CO ₂ Emissions from the Electricity Generation Sector in Iran. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2011, 34, 43-52.	1.2	6
100	Origination and assessment of metal pollution in Qarechay River bed sediments. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4289-4297.	1.3	6
101	Fate of toxic metals during estuarine mixing of fresh water with saline water. <i>Environmental Science and Pollution Research</i> , 2017, 24, 27430-27435.	2.7	6
102	Development of soil pollution risk index in the vicinity of a waste dam in Chadormalu iron ore mine. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 8485-8494.	1.8	6
103	Assessment and Investigation on the Fate of Organochlorine Pesticides in Water and Sediments of International Amir-kalaye Wetland in North of Iran. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 850-857.	1.3	5
104	Hexavalent chromium adsorption from aqueous solutions using nanoporous graphene/Fe ₃ O ₄ (NPG/Fe ₃ O ₄ : modeling and optimization). <i>Desalination and Water Treatment</i> , 2016, 57, 28284-28293.	1.0	5
105	The role of the estuarine zone on the river particulate toxicity. <i>Environmental Science and Pollution Research</i> , 2019, 26, 5038-5053.	2.7	5
106	Investigating the pattern of soil metallic pollution in urban areas (case study: a district in Tehran) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1</i>	1.8	5
107	Employing speciation of metals to assess photo-assisted electrochemical efficiency for improving rainwater quality in Tehran, Iran. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	5
108	The thermodynamic stability, potential toxicity, and speciation of metals and metalloids in Tehran runoff, Iran. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4719-4740.	1.8	5

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109	A short review of heavy metal pollution status in Musa fjord sediments. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	5
110	Integrated model for land-use transformation analysis based on multi-layer perception neural network and agent-based model. <i>Environmental Science and Pollution Research</i> , 2022, 29, 59770-59783.	2.7	5
111	Role of salinity and aeration on flocculation and remobilization of metals during estuarine mixing. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	1.3	5
112	Development and application of reduced-order neural network model based on proper orthogonal decomposition for BOD ₅ monitoring in river systems: Uncertainty analysis. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 344-349.	1.3	4
113	Pyrolysis optimization of Mediterranean microalgae for bio-oil production purpose. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4281-4290.	1.8	4
114	Integrated CA model and remote sensing approach for simulating the future development of a city. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1465-1478.	1.8	4
115	Azolla as a Feedstock for Bio-Refinery: Cultivation, Conversion and Application. , 2016, , .		4
116	Metals removal during estuarine mixing of Arvand River water with the Persian Gulf water. <i>Open Geosciences</i> , 2010, 2, .	0.6	3
117	Stimulation of the hydrolytic stage for biogas production from cattle manure in an electrochemical bioreactor. <i>Water Science and Technology</i> , 2016, 74, 606-615.	1.2	3
118	Geological and geophysical study of salt diapirs for hazardous waste disposal. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1951-1972.	1.8	3
119	Stability and speciation of heavy metals and metalloids in Tajan River water, North of Iran. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 1899-1906.	1.8	3
120	Assessment and Estimation of Environmental Costs of Kasilian Dam. <i>Asian Journal of Water, Environment and Pollution</i> , 2018, 15, 107-114.	0.4	2
121	Fibrous adsorbent derived from sulfonation of cotton waste: application for removal of cadmium sulfide nanoparticles from aquatic media. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	2
122	Extraction of silver from computer printed circuit boards wastes by supercritical fluids: pretreatment study. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 4883-4890.	1.8	2
123	Determining the appropriate mixing ratio in a multi-substrate anaerobic digestion of organic solid wastes employing Taguchi method. <i>Journal of Environmental Health Science & Engineering</i> , 2022, 20, 545-554.	1.4	2
124	Determination of sedimentation rate of Hoor-Al-Azim wetland by carbon-14 method and analysis of its past climate using element geochemistry. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	1
125	Exposure risk assessment, pollution level, and source identification of arsenic in soil: A case study of the Bardsir Plain (southeastern Iran). <i>International Journal of Environmental Health Research</i> , 2020, , 1-14.	1.3	1
126	Tracing of petroleum products in groundwater (upstream of Dez watershed to Dez dam) in order to develop a new method of risk assessment. <i>International Journal of Environmental Science and Technology</i> , 0, , .	1.8	0