

Peiyue Li

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

10,624
citations

23567

58
h-index

33894

99
g-index

125
all docs

125
docs citations

125
times ranked

3647
citing authors

#	ARTICLE	IF	CITATIONS
1	Appraising Groundwater Quality and Health Risks from Contamination in a Semi-arid Region of Northwest China. <i>Exposure and Health</i> , 2016, 8, 361-379.	4.9	314
2	Progress, opportunities, and key fields for groundwater quality research under the impacts of human activities in China with a special focus on western China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 13224-13234.	5.3	293
3	Occurrence and Health Implication of Fluoride in Groundwater of Loess Aquifer in the Chinese Loess Plateau: A Case Study of Tongchuan, Northwest China. <i>Exposure and Health</i> , 2019, 11, 95-107.	4.9	292
4	Hydrogeochemical Characterization of Groundwater in and Around a Wastewater Irrigated Forest in the Southeastern Edge of the Tengger Desert, Northwest China. <i>Exposure and Health</i> , 2016, 8, 331-348.	4.9	278
5	Sources and Consequences of Groundwater Contamination. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 1-10.	4.1	268
6	Hydrogeochemical Evaluation of Groundwater Quality for Drinking and Irrigation Purposes and Integrated Interpretation with Water Quality Index Studies. <i>Environmental Processes</i> , 2018, 5, 363-383.	3.5	264
7	Building a new and sustainable "Silk Road economic belt". <i>Environmental Earth Sciences</i> , 2015, 74, 7267-7270.	2.7	261
8	Using correlation and multivariate statistical analysis to identify hydrogeochemical processes affecting the major ion chemistry of waters: a case study in Laoheba phosphorite mine in Sichuan, China. <i>Arabian Journal of Geosciences</i> , 2014, 7, 3973-3982.	1.3	260
9	Hydrochemical appraisal of groundwater quality for drinking and irrigation purposes and the major influencing factors: a case study in and around Hua County, China. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	253
10	Assessment of groundwater quality for irrigation purposes and identification of hydrogeochemical evolution mechanisms in Pengyang County, China. <i>Environmental Earth Sciences</i> , 2013, 69, 2211-2225.	2.7	248
11	Spatial groundwater quality and potential health risks due to nitrate ingestion through drinking water: A case study in Yan'an City on the Loess Plateau of northwest China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 11-31.	3.4	247
12	Occurrence, health risks, and geochemical mechanisms of fluoride and nitrate in groundwater of the rock-dominant semi-arid region, Telangana State, India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 81-103.	3.4	245
13	Solute Geochemistry and Multivariate Analysis of Water Quality in the Guohua Phosphorite Mine, Guizhou Province, China. <i>Exposure and Health</i> , 2019, 11, 81-94.	4.9	239
14	Drinking Water Quality and Public Health. <i>Exposure and Health</i> , 2019, 11, 73-79.	4.9	235
15	Environment: Accelerate research on land creation. <i>Nature</i> , 2014, 510, 29-31.	27.8	234
16	Origin and assessment of groundwater pollution and associated health risk: a case study in an industrial park, northwest China. <i>Environmental Geochemistry and Health</i> , 2014, 36, 693-712.	3.4	233
17	Hydrochemical characterization of drinking groundwater with special reference to fluoride in an arid area of China and the control of aquifer leakage on its concentrations. <i>Environmental Earth Sciences</i> , 2015, 73, 8575-8588.	2.7	226
18	Geochemistry, Hydraulic Connectivity and Quality Appraisal of Multilayered Groundwater in the Hongdunzi Coal Mine, Northwest China. <i>Mine Water and the Environment</i> , 2018, 37, 222-237.	2.0	225

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19	Evaluation of groundwater contamination for fluoride and nitrate in semi-arid region of Nirmal Province, South India: A special emphasis on human health risk assessment (HHRA). <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1107-1124.	3.4	214
20	Occurrence and hydrogeochemistry of fluoride in alluvial aquifer of Weihe River, China. <i>Environmental Earth Sciences</i> , 2014, 71, 3133-3145.	2.7	205
21	Major Ion Chemistry of Shallow Groundwater in the Dongsheng Coalfield, Ordos Basin, China. <i>Mine Water and the Environment</i> , 2013, 32, 195-206.	2.0	202
22	Statistical and multivariate statistical techniques to trace the sources and affecting factors of groundwater pollution in a rapidly growing city on the Chinese Loess Plateau. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 1603-1621.	3.4	197
23	Groundwater Arsenic and Fluoride and Associated Arsenicosis and Fluorosis in China: Occurrence, Distribution and Management. <i>Exposure and Health</i> , 2020, 12, 355-368.	4.9	186
24	Water resources research to support a sustainable China. <i>International Journal of Water Resources Development</i> , 2018, 34, 327-336.	2.0	179
25	Conjunctive use of groundwater and surface water to reduce soil salinization in the Yinchuan Plain, North-West China. <i>International Journal of Water Resources Development</i> , 2018, 34, 337-353.	2.0	159
26	Groundwater quality assessment for domestic and agricultural purposes in Yan'an City, northwest China: implications to sustainable groundwater quality management on the Loess Plateau. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	153
27	Surface Water Pollution in the Middle Chinese Loess Plateau with Special Focus on Hexavalent Chromium (Cr6+): Occurrence, Sources and Health Risks. <i>Exposure and Health</i> , 2020, 12, 385-401.	4.9	147
28	Major Ion Chemistry and Quality Assessment of Groundwater in and Around a Mountainous Tourist Town of China. <i>Exposure and Health</i> , 2016, 8, 239-252.	4.9	141
29	Spatiotemporal Variability of Contaminants in Lake Water and Their Risks to Human Health: A Case Study of the Shahu Lake Tourist Area, Northwest China. <i>Exposure and Health</i> , 2017, 9, 213-225.	4.9	134
30	Groundwater Quality in Western China: Challenges and Paths Forward for Groundwater Quality Research in Western China. <i>Exposure and Health</i> , 2016, 8, 305-310.	4.9	128
31	Poor groundwater quality and high potential health risks in the Datong Basin, northern China: research from published data. <i>Environmental Geochemistry and Health</i> , 2021, 43, 791-812.	3.4	122
32	Hydrogeochemical Processes Affecting Groundwater Chemistry in the Central Part of the Guanzhong Basin, China. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 74-91.	4.1	118
33	Finding harmony between the environment and humanity: an introduction to the thematic issue of the Silk Road. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	115
34	Assessment of groundwater vulnerability in the Yinchuan Plain, Northwest China using OREADIC. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 3613-3628.	2.7	114
35	Assessment of soil salinization based on a low-cost method and its influencing factors in a semi-arid agricultural area, northwest China. <i>Environmental Earth Sciences</i> , 2014, 71, 3465-3475.	2.7	112
36	Evaluation of groundwater quality, Peddavagu in Central Telangana (PCT), South India: an insight of controlling factors of fluoride enrichment. <i>Modeling Earth Systems and Environment</i> , 2018, 4, 841-852.	3.4	110

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37	Anthropogenic pollution and variability of manganese in alluvial sediments of the Yellow River, Ningxia, northwest China. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 1385-1398.	2.7	109
38	Groundwater quality assessment based on rough sets attribute reduction and TOPSIS method in a semi-arid area, China. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 4841-4854.	2.7	101
39	Hydrogeochemistry and Quality Assessment of Shallow Groundwater in the Southern Part of the Yellow River Alluvial Plain (Zhongwei Section), Northwest China. <i>Earth Sciences Research Journal</i> , 2014, 18, 27-38.	0.6	100
40	Stable oxygen and hydrogen isotopes as indicators of lake water recharge and evaporation in the lakes of the Yinchuan Plain. <i>Hydrological Processes</i> , 2014, 28, 3554-3562.	2.6	97
41	Seasonal Hydrochemical Characterization and Groundwater Quality Delineation Based on Matter Element Extension Analysis in a Paper Wastewater Irrigation Area, Northwest China. <i>Exposure and Health</i> , 2018, 10, 241-258.	4.9	96
42	Sensitivity analysis of TOPSIS method in water quality assessment: I. Sensitivity to the parameter weights. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2453-2461.	2.7	95
43	Heavy metal contamination of Yellow River alluvial sediments, northwest China. <i>Environmental Earth Sciences</i> , 2015, 73, 3403-3415.	2.7	95
44	Identification and apportionment of shallow groundwater nitrate pollution in Weining Plain, northwest China, using hydrochemical indices, nitrate stable isotopes, and the new Bayesian stable isotope mixing model (MixSIAR). <i>Environmental Pollution</i> , 2022, 298, 118852.	7.5	92
45	Isotopic characteristics of precipitation, surface and ground waters in the Yinchuan plain, Northwest China. <i>Environmental Earth Sciences</i> , 2013, 70, 57-70.	2.7	91
46	Sustainable living with risks: meeting the challenges. <i>Human and Ecological Risk Assessment (HERA)</i> , 2019, 25, 1-10.	3.4	87
47	Solute geochemistry and groundwater quality for drinking and irrigation purposes: a case study in Xinle City, North China. <i>Chemie Der Erde</i> , 2020, 80, 125609.	2.0	87
48	Entropy water quality index and probabilistic health risk assessment from geochemistry of groundwaters in hard rock terrain of Nanganur County, South India. <i>Chemie Der Erde</i> , 2020, 80, 125544.	2.0	85
49	Appraisal of shallow groundwater quality with human health risk assessment in different seasons in rural areas of the Guanzhong Plain (China). <i>Environmental Research</i> , 2022, 207, 112210.	7.5	84
50	Groundwater quality under land use/land cover changes: A temporal study from 2005 to 2015 in Xi'an, Northwest China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 2771-2797.	3.4	80
51	Mine Water Problems and Solutions in China. <i>Mine Water and the Environment</i> , 2018, 37, 217-221.	2.0	77
52	Groundwater quality for potable and irrigation uses and associated health risk in southern part of Gu'an County, North China Plain. <i>Environmental Geochemistry and Health</i> , 2021, 43, 813-835.	3.4	74
53	Preliminary assessment of hydraulic connectivity between river water and shallow groundwater and estimation of their transfer rate during dry season in the Shidi River, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	71
54	Deciphering groundwater potential zones using MIF technique and GIS: A study from Tirupati area, Chittoor District, Andhra Pradesh, India. <i>HydroResearch</i> , 2019, 1, 1-7.	3.4	71

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55	Hydrogeochemical evaluation, suitability, and health risk assessment of groundwater in the watershed of Godavari basin, Maharashtra, Central India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18471-18494.	5.3	70
56	Water resource development and protection in loess areas of the world: a summary to the thematic issue of water in loess. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	67
57	Groundwater Quality in and Around a Landfill in Northwest China: Characteristic Pollutant Identification, Health Risk Assessment, and Controlling Factor Analysis. <i>Exposure and Health</i> , 2022, 14, 885-901.	4.9	63
58	On the sensitivity of entropy weight to sample statistics in assessing water quality: statistical analysis based on large stochastic samples. <i>Environmental Earth Sciences</i> , 2015, 74, 2185-2195.	2.7	62
59	A MATLAB based graphical user interface (GUI) for quickly producing widely used hydrogeochemical diagrams. <i>Chemie Der Erde</i> , 2020, 80, 125550.	2.0	62
60	Occurrence, Controlling Factors and Health Risks of Cr6+ in Groundwater in the Guanzhong Basin of China. <i>Exposure and Health</i> , 2022, 14, 239-251.	4.9	62
61	Hydrogeochemical Processes and Trace Metal Contamination in Groundwater: Impact on Human Health in the Maputaland Coastal Aquifer, South Africa. <i>Exposure and Health</i> , 2020, 12, 403-426.	4.9	61
62	Distribution, enrichment and sources of trace metals in the topsoil in the vicinity of a steel wire plant along the Silk Road economic belt, northwest China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	59
63	Groundwater Quality in Jingyuan County, a Semi-Humid Area in Northwest China. <i>E-Journal of Chemistry</i> , 2011, 8, 787-793.	0.5	56
64	Regulation of secondary soil salinization in semi-arid regions: a simulation research in the Nanshantaizi area along the Silk Road, northwest China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	53
65	Groundwater quality, health risk, and major influencing factors in the lower Beiluo River watershed of northwest China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 1987-2013.	3.4	50
66	Groundwater contamination risk assessment using a modified DRATICL model and pollution loading: A case study in the Guanzhong Basin of China. <i>Chemosphere</i> , 2022, 291, 132695.	8.2	50
67	To Make the Water Safer. <i>Exposure and Health</i> , 2020, 12, 337-342.	4.9	45
68	Groundwater quality assessment and application of multivariate statistical analysis in Luvuvhu catchment, Limpopo, South Africa. <i>Journal of African Earth Sciences</i> , 2020, 171, 103967.	2.0	41
69	Removal of Cadmium from Contaminated Groundwater Using a Novel Silicon/Aluminum Nanomaterial: An Experimental Study. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 234-247.	4.1	41
70	Groundwater quality evolution based on geochemical modeling and aptness testing for ingestion using entropy water quality and total hazard indexes in an urban-industrial area (Tiruppur) of Southern India. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18523-18538.	5.3	40
71	Source Identification and Potential Ecological Risk Assessment of Heavy Metals in the Topsoil of the Weining Plain (Northwest China). <i>Exposure and Health</i> , 2022, 14, 281-294.	4.9	39
72	Sustainable water resources development and management in large river basins: an introduction. <i>Environmental Earth Sciences</i> , 2022, 81, 179.	2.7	39

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73	Mercury pollution in the coastal Urmia aquifer in northwestern Iran: potential sources, mobility, and toxicity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 17546-17562.	5.3	38
74	Health Risk of the Shallow Groundwater and Its Suitability for Drinking Purpose in Tongchuan, China. <i>Water (Switzerland)</i> , 2021, 13, 3256.	2.7	34
75	Hydrochemical characteristics, hydrochemical processes and recharge sources of the geothermal systems in Lanzhou City, northwestern China. <i>Urban Climate</i> , 2022, 43, 101152.	5.7	34
76	Spatial analysis of groundwater quality and human health risk assessment in parts of Raebareli district, India. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	33
77	An integrated statistical-graphical approach for the appraisal of the natural background levels of some major ions and potentially toxic elements in the groundwater of Urmia aquifer, Iran. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	27
78	Water in Loess. , 2018, , 1-17.		27
79	Adsorption behavior of aged polybutylece terephthalate microplastics coexisting with Cd(II)-tetracycline. <i>Chemosphere</i> , 2022, 301, 134789.	8.2	26
80	Global curve-fitting for determining the hydrogeological parameters of leaky confined aquifers by transient flow pumping test. <i>Arabian Journal of Geosciences</i> , 2013, 6, 2745-2753.	1.3	25
81	Interactions between surface water and groundwater in selected tributaries of the Wei River (China) revealed by hydrochemistry and stable isotopes. <i>Human and Ecological Risk Assessment (HERA)</i> , 0, , 1-21.	3.4	25
82	Sensitivity analysis of TOPSIS method in water quality assessment II: sensitivity to the index input data. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 2463-2474.	2.7	23
83	Comparison of three methods of hydrogeological parameter estimation in leaky aquifers using transient flow pumping tests. <i>Hydrological Processes</i> , 2014, 28, 2293-2301.	2.6	23
84	Hydrochemical Characteristics and Evolution Laws of Drinking Groundwater in Pengyang County, Ningxia, Northwest China. <i>E-Journal of Chemistry</i> , 2011, 8, 565-575.	0.5	22
85	Insight into the evolution of microbial community and antibiotic resistance genes in anammox process induced by copper after recovery from oxytetracycline stress. <i>Bioresource Technology</i> , 2021, 330, 124945.	9.6	22
86	Meeting the environmental challenges. <i>Human and Ecological Risk Assessment (HERA)</i> , 2020, 26, 2303-2315.	3.4	21
87	Set Pair Analysis in Earth and Environmental Sciences: Development, Challenges, and Future Prospects. <i>Exposure and Health</i> , 2020, 12, 343-354.	4.9	21
88	A system-theory-based model for monthly river runoff forecasting: model calibration and optimization. <i>Journal of Hydrology and Hydromechanics</i> , 2014, 62, 82-88.	2.0	21
89	Water quality characteristics and health risk assessment of main water supply reservoirs in Taizhou City, East China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 2142-2160.	3.4	20
90	Environmental Chemistry of Groundwater Near an Industrial Area, Northwest China. <i>Asian Journal of Chemistry</i> , 2013, 25, 9795-9799.	0.3	18

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91	Appraisal of water quality and ecological sensitivity with reference to riverfront development along the River Gomti, India. <i>Applied Water Science</i> , 2022, 12, 1.	5.6	17
92	Trace elements speciation and sources characterization in the main watercourses, middle-upper Egypt. <i>Human and Ecological Risk Assessment (HERA)</i> , 2021, 27, 1764-1785.	3.4	16
93	Remediation of cadmium contaminated soil by modified gangue material: Characterization, performance and mechanisms. <i>Chemosphere</i> , 2022, 290, 133347.	8.2	16
94	Determining the optimal pumping duration of transient pumping tests for estimating hydraulic properties of leaky aquifers using global curve-fitting method: a simulation approach. <i>Environmental Earth Sciences</i> , 2014, 71, 293-299.	2.7	15
95	Integration of Heavy Metal Pollution Indices and Health Risk Assessment of Groundwater in Semi-arid Coastal Aquifers, South Africa. <i>Exposure and Health</i> , 2022, 14, 487-502.	4.9	15
96	Identifying strontium sources of flowback fluid and groundwater pollution using $^{87}\text{Sr}/^{86}\text{Sr}$ and geochemical model in Sulige gasfield, China. <i>Chemosphere</i> , 2022, 306, 135594.	8.2	15
97	Seasonal Hydrochemical Characteristics, Geochemical Evolution, and Pollution Sources of Lake Sha in an Arid and Semiarid Region of Northwest China. <i>Exposure and Health</i> , 2023, 15, 231-244.	4.9	14
98	Dominant factors influencing changes in the water quantity and quality in the Dianshi Reservoir, East China. <i>Human and Ecological Risk Assessment (HERA)</i> , 2022, 28, 387-407.	3.4	11
99	Estimation of hydraulic conductivity and porosity of a heterogeneous porous aquifer by combining transition probability geostatistical simulation, geophysical survey, and pumping test data. <i>Environment, Development and Sustainability</i> , 2023, 25, 7713-7736.	5.0	11
100	Quantification of health and environmental risks due to radionuclides in limestone mining regions of Ariyalur, South India. <i>Human and Ecological Risk Assessment (HERA)</i> , 2022, 28, 243-264.	3.4	10
101	Mixing Precipitation of CaCO_3 in Natural Waters. <i>Water (Switzerland)</i> , 2013, 5, 1712-1722.	2.7	9
102	Mixing Corrosion of CaCO_3 in Natural Waters. <i>E-Journal of Chemistry</i> , 2011, 8, 1124-1131.	0.5	8
103	Groundwater Pollution in and Around a Paper Wastewater-Irrigated Area, Northwest China. , 2013, , .		8
104	Impact of precipitation disparity on groundwater fluctuation in a semi-arid region (Vellore district) of southern India using geospatial techniques. <i>Environmental Science and Pollution Research</i> , 2021, 28, 18539-18551.	5.3	8
105	Prediction of daily chlorophyll-a concentration in rivers by water quality parameters using an efficient data-driven model: online sequential extreme learning machine. <i>Acta Geophysica</i> , 2021, 69, 2339-2361.	2.0	8
106	Medical Geology and Medical Geochemistry: An Editorial Introduction. <i>Exposure and Health</i> , 2022, , 1-2.	4.9	8
107	Study on the Hydrogeochemistry and Non-carcinogenic Health Risk Induced by Fluoride in Pengyang County, China. <i>International Journal of Environmental Sciences</i> , 2012, 2, .	0.2	7
108	Calculation of pH Values for Mixed Waters. <i>E-Journal of Chemistry</i> , 2011, 8, 657-664.	0.5	4

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109	Variations of Hydrogeochemical Characteristics of Shallow Groundwater Caused by Agricultural Activities. Asian Journal of Chemistry, 2013, 25, 7441-7444.	0.3	4
110	Occurrence and distribution of nutrients and trace metals in groundwater in an intensively irrigated region, Luvuvhu catchment, South Africa. Environmental Earth Sciences, 2021, 80, 1.	2.7	4
111	Cultivating hope for a better future: research contributions from young scholars in earth and environmental sciences. Environmental Science and Pollution Research, 2017, 24, 13149-13153.	5.3	3
112	Geochemical Characteristics and Medical Values of Geothermal Water in Xi'an. , 2009, , .		2
113	Formation of the River Water Chemistry in the Middle Section of Dousitu River, China. E-Journal of Chemistry, 2011, 8, 727-738.	0.5	2
114	Application of system theory in the calculation of groundwater resources availability in Balasu water source. , 2011, , .		2
115	Phoebe Koundouri. (2011). Water Resources Allocation: Policy and Socioeconomic Issues in Cyprus, Springer, Global Issues in Water Policy Series, Vol. 1, 164p, Hardcover ISBN 978-90-481-9824-5. Water Resources Management, 2014, 28, 2381-2385.	3.9	1
116	Water in Loess. , 2019, , 183-198.		0