Nam-Chil Woo

List of Publications by Year
in descending order

57	1,628	331642	302107
papers	citations	21 h-index	39 g-index

58	58	58	1700
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrogeochemical and isotopic evidence of groundwater salinization in a coastal aquifer: a case study in Jeju volcanic island, Korea. Journal of Hydrology, 2003, 270, 282-294.	5.4	269
2	Statistical analysis of hydrographs and water-table fluctuation to estimate groundwater recharge. Journal of Hydrology, 2004, 292, 198-209.	5.4	165
3	Rare earth elements as indicators of groundwater environment changes in a fractured rock system: evidence from fracture-filling calcite. Applied Geochemistry, 2003, 18, 135-143.	3.0	94
4	Tidal effects on variations of freshâ€“saltwater interface and groundwater flow in a multilayered coastal aquifer on a volcanic island (Jeju Island, Korea). Journal of Hydrology, 2006, 330, 525-542.	5.4	93
5	Distribution and potential health risk of groundwater uranium in Korea. Chemosphere, 2016, 163, 108-115.	8.2	77
6	Climatic controls on the stable isotopic composition of precipitation in Northeast Asia. Climate Research, 2003, 23, 137-148.	1.1	68
7	HydroKorea and CarboKorea: cross-scale studies of ecohydrology and biogeochemistry in a heterogeneous and complex forest catchment of Korea. Ecological Research, 2006, 21, 881-889.	1.5	57
8	Groundwater nitrate contamination and risk assessment in an agricultural area, South Korea. Environmental Earth Sciences, 2012, 66, 1127-1136.	2.7	51
9	The 12 September 2016 M_L5.8 midcrustal earthquake in the Korean Peninsula and its seismic implications. Geophysical Research Letters, 2017, 44, 3131-3138.	4.0	48
10	Arsenic and metal contamination of water resources from mining wastes in Korea. Environmental Geology, 2001, 40, 305-311.	1.2	43
11	Contamination of water and soil by the Erdenet copperâ€“molybdenum mine in Mongolia. Environmental Earth Sciences, 2014, 71, 3363-3374.	2.7	42
12	Multiâ€depth monitoring of electrical conductivity and temperature of groundwater at a multilayered coastal aquifer: Jeju Island, Korea. Hydrological Processes, 2008, 22, 3724-3733.	2.6	37
13	Soil moisture monitoring on a steep hillside. Hydrological Processes, 2007, 21, 2910-2922.	2.6	36
14	Evaluation of heavy metal contamination and implication of multiple sources from Hunchun basin, northeastern China. Environmental Geology, 2000, 39, 1039-1052.	1.2	35
15	Kinetics of Dimethylated Thioarsenicals and the Formation of Highly Toxic Dimethylmonothioarsinic Acid in Environment. Environmental Science & Technology, 2016, 50, 11637-11645.	10.0	32
16	An assessment of sampling, preservation, and analytical procedures for arsenic speciation in potentially contaminated waters. Environmental Geochemistry and Health, 2007, 29, 337-346.	3.4	29
17	Development of a simultaneous analytical method to determine arsenic speciation using HPLC-ICP-MS: Arsenate, arsenite, monomethylarsonic acid, dimethylarsinic acid, dimethyldithioarsinic acid, and dimethylmonothioarsinic acid. Microchemical Journal, 2017, 134, 295-300.	4.5	29
18	Efficacy of controlled-release KMnO4 (CRP) for controlling dissolved TCE plume in groundwater: A large flow-tank study. Chemosphere, 2009, 74, 745-750.	8.2	28

#	Article	IF	Citations
19	Characterization of controlled-release KMnO4 (CRP) barrier system for groundwater remediation: A pilot-scale flow-tank study. Chemosphere, 2008, 71, 902-910.	8.2	26
20	The sustainability risk of Ho Chi Minh City, Vietnam, due to saltwater intrusion. Geosciences Journal, 2015, 19, 547-560.	1.2	25
21	Nitrate contamination of coastal groundwater: Sources and transport mechanisms along a volcanic aquifer. Science of the Total Environment, 2021, 768, 145204.	8.0	24
22	Developing A National Groundwater-Monitoring Network In Korea. Hydrogeology Journal, 1995, 3, 89-94.	2.1	21
23	Magnesium oxide impregnated polyurethane to remove high levels of manganese cations from water. Separation and Purification Technology, 2014, 136, 184-189.	7.9	18
24	Water Resources Sustainability of Ulaanbaatar City, Mongolia. Water (Switzerland), 2018, 10, 750.	2.7	18
25	Hydrogeochemistry in the coastal area during construction of geological repository. Journal of Hydrology, 2018, 562, 40-49.	5.4	18
26	Water Quality and Pollution in the Hunchun Basin, China. Environmental Geochemistry and Health, 2000, 22, 1-18.	3.4	17
27	A semi-analytical solution for groundwater responses to stream-stage variations and tidal fluctuations in a coastal aquifer. Hydrological Processes, 2007, 21, 665-674.	2.6	17
28	Arsenic species in ecosystems affected by arsenic-rich spring water near an abandoned mine in Korea. Environmental Pollution, 2009, 157, 3495-3501.	7.5	17
29	Redox zonation for different groundwater flow paths during bank filtration: a case study at Liao River, Shenyang, northeastern China. Hydrogeology Journal, 2018, 26, 1573-1589.	2.1	16
30	Influence of the M9.0 Tohoku Earthquake on groundwater in Korea. Geosciences Journal, 2012, 16, 1-6.	1.2	14
31	Environmental Sustainability of Open-Pit Coal Mining Practices at Baganuur, Mongolia. Sustainability, 2020, 12, 248.	3.2	14
32	Determination of sulfur in soil and plant media using wavelength dispersive X-ray fluorescence spectrometry as a tool for assessment of chemical spills. Microchemical Journal, 2016, 124, 594-599.	4.5	12
33	Assessment of Groundwater Drought in the Mangyeong River Basin, Korea. Sustainability, 2018, 10, 831.	3.2	12
34	Biogeochemical zonation of sulfur during the discharge of groundwater to lake in desert plateau (Dakebo Lake, NW China). Environmental Geochemistry and Health, 2018, 40, 1051-1066.	3.4	10
35	Spatiotemporal changes in hydrogeochemistry of coastal groundwater through the construction of underground disposal facility for low and intermediate level radioactive wastes in Korea. Journal of Hydrology, 2020, 584, 124750.	5.4	10
36	Characterising Bedrock Aquifer Systems in Korea Using Paired Water-Level Monitoring Data. Water (Switzerland), 2017, 9, 420.	2.7	9

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37	Natural analogue monitoring to estimate the hydrochemical change of groundwater by the carbonating process from the introduction of CO2. Journal of Hydrology, 2018, 562, 318-334.	5.4	9
38	Natural and Human-Induced Drivers of Groundwater Sustainability: A Case Study of the Mangyeong River Basin in Korea. Sustainability, 2019, 11, 1486.	3.2	9
39	Estimation of the Groundwater Recharge Rate during a Rainy Season at a Headwater Catchment in Gwangneung, Korea. Korean Journal of Agricultural and Forest Meteorology, 2007, 9, 75-87.	0.2	9
40	A rapid screening of fluorine contents in soil with a consideration of chemical binding by wavelength dispersive X-ray fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 149, 261-266.	2.9	8
41	Nitrate vulnerability of groundwater in Jeju Volcanic Island, Korea. Science of the Total Environment, 2022, 807, 151399.	8.0	8
42	Characteristics of permanganate oxidation of TCE at low reagent concentrations. Environmental Technology (United Kingdom), 2009, 30, 1337-1342.	2.2	7
43	Analyzing groundwater level anomalies in a fault zone in Korea caused by local and offshore earthquakes. Geosciences Journal, 2019, 23, 137-148.	1.2	7
44	Assessing aquifer responses to earthquakes using temporal variations in groundwater monitoring data in alluvial and sedimentary bedrock aquifers. Geomatics, Natural Hazards and Risk, 2020, 11, 742-765.	4.3	7
45	Analysis of groundwater response to tidal effect in a finite leaky confined coastal aquifer considering hydraulic head at source bed. Geosciences Journal, 2003, 7, 169-178.	1.2	5
46	Environmental reconnaissance of the Shivee-Ovoo coalmine area, Mongolia. Environmental Earth Sciences, 2012, 67, 1927-1938.	2.7	5
47	Pilot-Scale Groundwater Monitoring Network for Earthquake Surveillance and Forecasting Research in Korea. Water (Switzerland), 2021, 13, 2448.	2.7	4
48	Abnormal Changes in Groundwater Monitoring Data Due to Small-Magnitude Earthquakes. Journal of Engineering Geology, 2015, 25, 21-33.	0.1	4
49	Hydrochemical variations in selected geothermal groundwater and carbonated springs in Korea: a baseline study for early detection of CO2 leakage. Environmental Geochemistry and Health, 2017, 39, 109-123.	3.4	3
50	Preparation of DMMTA^V and DMDTA^V Using DMA^V for Environmental Applications: Synthesis, Purification, and Confirmation. Journal of Visualized Experiments, 2018, , .	0.3	3
51	Pb on groundwater particles, Door County, Wisconsin. Environmental Geology, 1994, 24, 150-156.	1.2	2
52	Sorption of radionuclides on the container wall during batch migration studies. Journal of Radioanalytical and Nuclear Chemistry, 2001, 249, 271-278.	1.5	2
53	Analyzing groundwater change on a volcanic island caused by the impact of the M9 Sumatra earthquake. Geosciences Journal, 2013, 17, 183-195.	1.2	2
54	Influence of Groundwater on the Hydrogeochemistry and the Origin of Oseepchun in Dogye Area, Korea. Economic and Environmental Geology, 2016, 49, 167-179.	0.4	2

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55	Development of an Apparent Recharge Coefficient (ARC) for Estimating Groundwater Storage Changes due to Precipitation Events Using Time Series Monitoring Data. Water (Switzerland), 2020, 12, 1675.	2.7	1
56	FACTORS OF GROUNDWATER FLUCTUATION IN SHIN KORI NUCLEAR POWER PLANTS IN KOREA. Nuclear Engineering and Technology, 2013, 45, 539-552.	2.3	0
57	Hydrographical characteristics of an urban stream flowing through the Seoul metropolitan, Korea. Environmental Earth Sciences, 2019, 78, 1.	2.7	0