

Nam-Chil Woo

List of Publications by Citations

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57
papers

1,286
citations

19
h-index

35
g-index

58
ext. papers

1,460
ext. citations

4.3
avg, IF

4.26
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 57 | Hydrogeochemical and isotopic evidence of groundwater salinization in a coastal aquifer: a case study in Jeju volcanic island, Korea. <i>Journal of Hydrology</i> , 2003 , 270, 282-294 | 6 | 233 |
| 56 | Statistical analysis of hydrographs and water-table fluctuation to estimate groundwater recharge. <i>Journal of Hydrology</i> , 2004 , 292, 198-209 | 6 | 136 |
| 55 | Rare earth elements as indicators of groundwater environment changes in a fractured rock system: evidence from fracture-filling calcite. <i>Applied Geochemistry</i> , 2003 , 18, 135-143 | 3.5 | 73 |
| 54 | Tidal effects on variations of fresh saltwater interface and groundwater flow in a multilayered coastal aquifer on a volcanic island (Jeju Island, Korea). <i>Journal of Hydrology</i> , 2006 , 330, 525-542 | 6 | 72 |
| 53 | Climatic controls on the stable isotopic composition of precipitation in Northeast Asia. <i>Climate Research</i> , 2003 , 23, 137-148 | 1.6 | 64 |
| 52 | HydroKorea and CarboKorea: cross-scale studies of ecohydrology and biogeochemistry in a heterogeneous and complex forest catchment of Korea. <i>Ecological Research</i> , 2006 , 21, 881-889 | 1.9 | 56 |
| 51 | Distribution and potential health risk of groundwater uranium in Korea. <i>Chemosphere</i> , 2016 , 163, 108-118 | 4.4 | 54 |
| 50 | Groundwater nitrate contamination and risk assessment in an agricultural area, South Korea. <i>Environmental Earth Sciences</i> , 2012 , 66, 1127-1136 | 2.9 | 41 |
| 49 | The 12 September 2016 ML5.8 midcrustal earthquake in the Korean Peninsula and its seismic implications. <i>Geophysical Research Letters</i> , 2017 , 44, 3131-3138 | 4.9 | 38 |
| 48 | Arsenic and metal contamination of water resources from mining wastes in Korea. <i>Environmental Geology</i> , 2001 , 40, 305-311 | | 37 |
| 47 | Evaluation of heavy metal contamination and implication of multiple sources from Hunchun basin, northeastern China. <i>Environmental Geology</i> , 2000 , 39, 1039-1052 | | 33 |
| 46 | Soil moisture monitoring on a steep hillside. <i>Hydrological Processes</i> , 2007 , 21, 2910-2922 | 3.3 | 32 |
| 45 | Multi-depth monitoring of electrical conductivity and temperature of groundwater at a multilayered coastal aquifer: Jeju Island, Korea. <i>Hydrological Processes</i> , 2008 , 22, 3724-3733 | 3.3 | 29 |
| 44 | Efficacy of controlled-release KMnO ₄ (CRP) for controlling dissolved TCE plume in groundwater: a large flow-tank study. <i>Chemosphere</i> , 2009 , 74, 745-50 | 8.4 | 25 |
| 43 | Characterization of controlled-release KMnO ₄ (CRP) barrier system for groundwater remediation: a pilot-scale flow-tank study. <i>Chemosphere</i> , 2008 , 71, 902-10 | 8.4 | 25 |
| 42 | Kinetics of Dimethylated Thioarsenicals and the Formation of Highly Toxic Dimethylmonothioarsinic Acid in Environment. <i>Environmental Science & Technology</i> , 2016 , 50, 11637-11645 | 10.3 | 23 |
| 41 | Contamination of water and soil by the Erdenet copper-molybdenum mine in Mongolia. <i>Environmental Earth Sciences</i> , 2014 , 71, 3363-3374 | 2.9 | 23 |

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|----|--|-----|----|
| 40 | 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. <i>Microchemical Journal</i> , 2017 , 134, 295-300 | 4.8 | 21 |
| 39 | Developing A National Groundwater-Monitoring Network In Korea. <i>Hydrogeology Journal</i> , 1995 , 3, 89-94 | 3.1 | 19 |
| 38 | The sustainability risk of Ho Chi Minh City, Vietnam, due to saltwater intrusion. <i>Geosciences Journal</i> , 2015 , 19, 547-560 | 1.4 | 17 |
| 37 | Arsenic species in ecosystems affected by arsenic-rich spring water near an abandoned mine in Korea. <i>Environmental Pollution</i> , 2009 , 157, 3495-501 | 9.3 | 16 |
| 36 | A semi-analytical solution for groundwater responses to stream-stage variations and tidal fluctuations in a coastal aquifer. <i>Hydrological Processes</i> , 2007 , 21, 665-674 | 3.3 | 16 |
| 35 | An assessment of sampling, preservation, and analytical procedures for arsenic speciation in potentially contaminated waters. <i>Environmental Geochemistry and Health</i> , 2007 , 29, 337-46 | 4.7 | 16 |
| 34 | Magnesium oxide impregnated polyurethane to remove high levels of manganese cations from water. <i>Separation and Purification Technology</i> , 2014 , 136, 184-189 | 8.3 | 15 |
| 33 | Water Quality and Pollution in the Hunchun Basin, China. <i>Environmental Geochemistry and Health</i> , 2000 , 22, 1-18 | 4.7 | 15 |
| 32 | Influence of the M9.0 Tohoku Earthquake on groundwater in Korea. <i>Geosciences Journal</i> , 2012 , 16, 1-6 | 1.4 | 12 |
| 31 | Water Resources Sustainability of Ulaanbaatar City, Mongolia. <i>Water (Switzerland)</i> , 2018 , 10, 750 | 3 | 11 |
| 30 | Redox zonation for different groundwater flow paths during bank filtration: a case study at Liao River, Shenyang, northeastern China. <i>Hydrogeology Journal</i> , 2018 , 26, 1573-1589 | 3.1 | 10 |
| 29 | Determination of sulfur in soil and plant media using wavelength dispersive X-ray fluorescence spectrometry as a tool for assessment of chemical spills. <i>Microchemical Journal</i> , 2016 , 124, 594-599 | 4.8 | 10 |
| 28 | Assessment of Groundwater Drought in the Mangyeong River Basin, Korea. <i>Sustainability</i> , 2018 , 10, 831 | 3.6 | 10 |
| 27 | Characterising Bedrock Aquifer Systems in Korea Using Paired Water-Level Monitoring Data. <i>Water (Switzerland)</i> , 2017 , 9, 420 | 3 | 9 |
| 26 | Hydrogeochemistry in the coastal area during construction of geological repository. <i>Journal of Hydrology</i> , 2018 , 562, 40-49 | 6 | 9 |
| 25 | Estimation of the Groundwater Recharge Rate during a Rainy Season at a Headwater Catchment in Gwangneung, Korea. <i>Korean Journal of Agricultural and Forest Meteorology</i> , 2007 , 9, 75-87 | | 8 |
| 24 | Biogeochemical zonation of sulfur during the discharge of groundwater to lake in desert plateau (Dakebo Lake, NW China). <i>Environmental Geochemistry and Health</i> , 2018 , 40, 1051-1066 | 4.7 | 7 |
| 23 | Characteristics of permanganate oxidation of TCE at low reagent concentrations. <i>Environmental Technology (United Kingdom)</i> , 2009 , 30, 1337-42 | 2.6 | 7 |

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| 22 | Nitrate contamination of coastal groundwater: Sources and transport mechanisms along a volcanic aquifer. <i>Science of the Total Environment</i> , 2021 , 768, 145204 | 10.2 | 7 |
| 21 | Natural and Human-Induced Drivers of Groundwater Sustainability: A Case Study of the Mangyeong River Basin in Korea. <i>Sustainability</i> , 2019 , 11, 1486 | 3.6 | 6 |
| 20 | Spatiotemporal changes in hydrogeochemistry of coastal groundwater through the construction of underground disposal facility for low and intermediate level radioactive wastes in Korea. <i>Journal of Hydrology</i> , 2020 , 584, 124750 | 6 | 5 |
| 19 | Natural analogue monitoring to estimate the hydrochemical change of groundwater by the carbonating process from the introduction of CO ₂ . <i>Journal of Hydrology</i> , 2018 , 562, 318-334 | 6 | 5 |
| 18 | Analysis of groundwater response to tidal effect in a finite leaky confined coastal aquifer considering hydraulic head at source bed. <i>Geosciences Journal</i> , 2003 , 7, 169-178 | 1.4 | 5 |
| 17 | A rapid screening of fluorine contents in soil with a consideration of chemical binding by wavelength dispersive X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 149, 261-266 | 3.1 | 5 |
| 16 | Environmental Sustainability of Open-Pit Coal Mining Practices at Baganuur, Mongolia. <i>Sustainability</i> , 2020 , 12, 248 | 3.6 | 4 |
| 15 | Environmental reconnaissance of the Shivee-Ovoo coalmine area, Mongolia. <i>Environmental Earth Sciences</i> , 2012 , 67, 1927-1938 | 2.9 | 4 |
| 14 | Analyzing groundwater level anomalies in a fault zone in Korea caused by local and offshore earthquakes. <i>Geosciences Journal</i> , 2019 , 23, 137-148 | 1.4 | 4 |
| 13 | Hydrochemical variations in selected geothermal groundwater and carbonated springs in Korea: a baseline study for early detection of CO leakage. <i>Environmental Geochemistry and Health</i> , 2017 , 39, 109-123 | 4.7 | 3 |
| 12 | Abnormal Changes in Groundwater Monitoring Data Due to Small-Magnitude Earthquakes. <i>Journal of Engineering Geology</i> , 2015 , 25, 21-33 | | 3 |
| 11 | Analyzing groundwater change on a volcanic island caused by the impact of the M9 Sumatra earthquake. <i>Geosciences Journal</i> , 2013 , 17, 183-195 | 1.4 | 2 |
| 10 | Sorption of radionuclides on the container wall during batch migration studies. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2001 , 249, 271-278 | 1.5 | 2 |
| 9 | Pb on groundwater particles, Door County, Wisconsin. <i>Environmental Geology</i> , 1994 , 24, 150-156 | | 2 |
| 8 | Influence of Groundwater on the Hydrogeochemistry and the Origin of Oseepchun in Dogye Area, Korea. <i>Economic and Environmental Geology</i> , 2016 , 49, 167-179 | | 2 |
| 7 | Assessing aquifer responses to earthquakes using temporal variations in groundwater monitoring data in alluvial and sedimentary bedrock aquifers. <i>Geomatics, Natural Hazards and Risk</i> , 2020 , 11, 742-763 | 3.6 | 2 |
| 6 | Development of an Apparent Recharge Coefficient (ARC) for Estimating Groundwater Storage Changes due to Precipitation Events Using Time Series Monitoring Data. <i>Water (Switzerland)</i> , 2020 , 12, 1675 | 3 | 1 |
| 5 | Preparation of DMMTAV and DMDTAV Using DMAV for Environmental Applications: Synthesis, Purification, and Confirmation. <i>Journal of Visualized Experiments</i> , 2018 , | 1.6 | 1 |

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| 4 | Pilot-Scale Groundwater Monitoring Network for Earthquake Surveillance and Forecasting Research in Korea. <i>Water (Switzerland)</i> , 2021 , 13, 2448 | 3 | 1 |
| 3 | Nitrate vulnerability of groundwater in Jeju Volcanic Island, Korea. <i>Science of the Total Environment</i> , 2021 , 807, 151399 | 10.2 | 0 |
| 2 | Hydrographical characteristics of an urban stream flowing through the Seoul metropolitan, Korea. <i>Environmental Earth Sciences</i> , 2019 , 78, 1 | 2.9 | |
| 1 | FACTORS OF GROUNDWATER FLUCTUATION IN SHIN KORI NUCLEAR POWER PLANTS IN KOREA. <i>Nuclear Engineering and Technology</i> , 2013 , 45, 539-552 | 2.6 | |