

# Jung-Hyun Choi

## List of Publications by Year in descending order

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23  
papers

311  
citations

1040056

9  
h-index

888059

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in the Dissolved Organic Matter Characteristics Released from Sediment According to Precipitation in the Namhan River with Weirs: A Laboratory Experiment. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4958.	2.6	4
2	Machining characteristics of glass substrates containing chemical components in femtosecond laser helical drilling. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021, 8, 375-385.	4.9	9
3	An Assessment of Heavy Metal Contamination in the Nakdong River Around the Weir. <i>Water (Switzerland)</i> , 2021, 13, 684.	2.7	2
4	Determination and Quantification of Heavy Metals in Sediments through Laser-Induced Breakdown Spectroscopy and Partial Least Squares Regression. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 7154.	2.5	8
5	Estimation of Economic Inducement Effect of Urban Mining Upon Applying Laser Induced Breakdown Spectroscopy Technology. <i>Journal of the Korean Society of Mineral and Energy Resources Engineers</i> , 2021, 58, 300-306.	0.4	1
6	Modelling Water Quality Improvements in a South Korean Inter-Basin Water Transfer System. <i>Water (Switzerland)</i> , 2020, 12, 3173.	2.7	4
7	The Effect of Reduced Flow on Downstream Water Systems Due to the Kumgangsan Dam under Dry Conditions. <i>Water (Switzerland)</i> , 2019, 11, 739.	2.7	11
8	Relationship of nutrient dynamics and bacterial community structure at the water-sediment interface using a benthic chamber experiment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 482-491.	1.7	9
9	Potential linkage between sediment oxygen demand and pore water chemistry in weir-impounded rivers. <i>Science of the Total Environment</i> , 2018, 619-620, 1608-1617.	8.0	13
10	Dynamics of dissolved organic matter in riverine sediments affected by weir impoundments: Production, benthic flux, and environmental implications. <i>Water Research</i> , 2017, 121, 150-161.	11.3	75
11	Determining the machining parameters for femtosecond laser helical drilling of aluminosilicate glass substrate. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 923-930.	2.2	10
12	Effect of the chemical composition on the ablation characteristics of glass substrates in femtosecond laser machining. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 1495-1499.	2.2	5
13	Effects of a controlled freeze-thaw event on dissolved and colloidal soil organic matter. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1338-1346.	5.3	13
14	Necessity of purification during bacterial DNA extraction with environmental soils. <i>Environmental Health and Toxicology</i> , 2017, 32, e2017013.	1.8	11
15	A preliminary estimation for CCS storage cost of Korea. <i>Geosystem Engineering</i> , 2016, 19, 11-18.	1.4	2
16	Influence of soil conditions on dissolved organic matter leached from forest and wetland soils: a controlled growth chamber study. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5203-5213.	5.3	10
17	Power generation characteristics of a sandwich-type self-heating thermoelectric generator with spatially varying embedded heat source. <i>International Journal of Energy Research</i> , 2015, 39, 851-859.	4.5	8
18	Effects of Climate Change on the Movement of Turbidity Flow in a Stratified Reservoir. <i>Water Resources Management</i> , 2015, 29, 4095-4110.	3.9	18

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19	Estimation of carbon capture and storage transport cost in Korea. Geosystem Engineering, 2014, 17, 43-50.	1.4	4
20	Benthic flux of dissolved organic matter from lake sediment at different redox conditions and the possible effects of biogeochemical processes. Water Research, 2014, 61, 97-107.	11.3	63
21	Investigation of the Effect of Weirs Construction in the Han River on the Characteristics of Sediments. Daehan Hwan'gyeong Gonghag Hoeji, 2012, 34, 597-603.	1.1	9
22	Comparison of Enzyme Activities in Vegetated and Nonvegetated Sediments. Journal of Environmental Engineering, ASCE, 2009, 135, 299-305.	1.4	12
23	Longitudinal-Vertical Hydrodynamic and Turbidity Simulations for Prediction of Dam Reconstruction Effects in Asian Monsoon Area <sup>1</sup> . Journal of the American Water Resources Association, 2007, 43, 1444-1454.	2.4	9