

# Hyung-Woo Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4822082/publications.pdf>

Version: 2024-02-01

12  
papers

158  
citations

1478505

6  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

83  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probability distribution for the shear strength of seafloor sediment in the KR5 area for the development of manganese nodule miner. <i>Ocean Engineering</i> , 2011, 38, 2033-2041.	4.3	46
2	Design optimization of deep-seabed pilot miner system with coupled relations between constraints. <i>Journal of Terramechanics</i> , 2019, 83, 25-34.	3.1	30
3	Track velocity control of crawler type underwater mining robot through shallow-water test. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 3291-3298.	1.5	24
4	A study of the kinematic characteristic of a coupling device between the buffer system and the flexible pipe of a deep-seabed mining system. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2014, 6, 652-669.	2.3	23
5	A study on the simulation-based installation shape design method of steel lazy wave riser (SLWR) in ultra deepwater depth. <i>Ocean Engineering</i> , 2020, 197, 106902.	4.3	12
6	Metamodel-Based Multidisciplinary Design Optimization of a Deep-Sea Manganese Nodules Test Miner. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-18.	0.9	8
7	Arrangement Plan of Buoyancy Modules for the Stable Operation of the Flexible Riser in a Deep-Seabed Mining System. <i>Ocean and Polar Research</i> , 2015, 37, 119-125.	0.3	5
8	Study on Optimum Curve Driving of Four-row Tracked Vehicle in Soft Ground using Multi-body Dynamics. <i>Journal of Ocean Engineering and Technology</i> , 2014, 28, 167-176.	1.2	3
9	Simulation Technology Development for Dynamic Analysis of Mechanical System in Deep-Seabed Integrated Mining System Using Multibody Dynamics. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 498.	2.0	3
10	Study on Steering Ratio of Four-Row Rigid Tracked Vehicle on Extremely Cohesive Soft Soil Using Numerical Simulation. <i>Journal of Ocean Engineering and Technology</i> , 2013, 27, 81-89.	1.2	2
11	Dynamic Analysis of Tracked Vehicle by Buoy Characteristics. <i>Ocean and Polar Research</i> , 2014, 36, 495-503.	0.3	1
12	Conceptual Design Study Based on Reliability Assessment of Secondary Energy Conversion Mechanical System in Movable Object Type Wave Power Generator. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7117.	2.5	1