

Hui Min Kim

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

180
citations

1039406

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h-index

1372195

10
g-index

15
all docs

15
docs citations

15
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	A Study on the Estimation of the Shapes of Axially Oriented Cracks in CMFL Type NDT System. IEEE Transactions on Magnetics, 2014, 50, 109-112.	1.2	36
2	A 60 Hz uniform electromagnetic field promotes human cell proliferation by decreasing intracellular reactive oxygen species levels. PLoS ONE, 2018, 13, e0199753.	1.1	35
3	A New Sensitive Excitation Technique in Nondestructive Inspection for Underground Pipelines by Using Differential Coils. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	20
4	Determination Scheme for Accurate Defect Depth in Underground Pipeline Inspection by Using Magnetic Flux Leakage Sensors. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	15
5	Design, Fabrication, and Experimental Results of a Pulsed Power-Based Four-Stage Induction Coilgun for Launching a Heavy Projectile. IEEE Transactions on Plasma Science, 2021, 49, 2916-2924.	0.6	13
6	A Design of Rotor Bar Inclination in Squirrel Cage Induction Motor. IEEE Transactions on Magnetics, 2017, 53, 1-4.	1.2	12
7	Design of Cryogenic Induction Motor Submerged in Liquefied Natural Gas. IEEE Transactions on Magnetics, 2018, 54, 1-4.	1.2	12
8	Development and Experimental Results of a Three-Stage Induction Coilgun. IEEE Transactions on Plasma Science, 2019, 47, 2438-2444.	0.6	12
9	A New Design of MFL Sensors for Self-Driving NDT Robot to Avoid Getting Stuck in Curved Underground Pipelines. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	10
10	Analysis of a Defect Signal Deformations Induced by Eddy Current in RFECT System for Pipeline Inspection. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	5
11	Detection method of cracks by using magnetic fields in underground pipeline. , 2013, , .		4
12	Defect estimation of a crack in underground pipelines by CMFL type NDT system. , 2013, , .		3
13	Analysis of RFECT system based on the eddy current distributions in pipeline inspection. , 2016, , .		2
14	New algorithm for improvement of sizing accuracy of defect depth in MFL type nondestructive testing. , 2016, , .		1
15	Effects of the induced magnetic field on the defect signals in RFECT system for pipeline inspection. , 2016, , .		0