

# Kwon-Hee Lee

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/568953/publications.pdf>

Version: 2024-02-01

31  
papers

357  
citations

933447

10  
h-index

839539

18  
g-index

32  
all docs

32  
docs citations

32  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contact stress analysis for a pair of mating gears. <i>Mathematical and Computer Modelling</i> , 2013, 57, 40-49.	2.0	84
2	A Global Robust Optimization Using Kriging Based Approximation Model. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2006, 49, 779-788.	0.3	56
3	An optimization algorithm using orthogonal arrays in discrete design space for structures. <i>Finite Elements in Analysis and Design</i> , 2003, 40, 121-135.	3.2	51
4	A robust optimization using the statistics based on kriging metamodel. <i>Journal of Mechanical Science and Technology</i> , 2006, 20, 1169-1182.	1.5	26
5	Structural optimization for a jaw using iterative Kriging metamodels. <i>Journal of Mechanical Science and Technology</i> , 2008, 22, 1651-1659.	1.5	19
6	Shape design of a tire contour based on approximation model. <i>Journal of Mechanical Science and Technology</i> , 2011, 25, 149-155.	1.5	16
7	Optimization process for concept design of tactical missiles by using pareto front and TOPSIS. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 1371-1376.	2.2	12
8	Optimization of a driver-side airbag using kriging based approximation model. <i>Journal of Mechanical Science and Technology</i> , 2005, 19, 116-126.	1.5	11
9	Using stress relief grooves to reduce stress concentration on axle drive shaft. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 2121-2127.	1.5	11
10	Process Design of a Ball Joint, Considering Caulking and Pull-Out Strength. <i>Scientific World Journal, The</i> , 2014, 2014, 1-10.	2.1	10
11	Analysis and design of a ball joint, considering manufacturing process. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 146-151.	2.1	8
12	Robust Design of an Automobile Front Bumper Using Design of Experiments. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2006, 220, 1199-1207.	1.9	7
13	Prediction of the resistance coefficient in a segment ball valve. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 185-188.	1.5	7
14	Structural Optimization of a Knuckle with Consideration of Stiffness and Durability Requirements. <i>Scientific World Journal, The</i> , 2014, 2014, 1-7.	2.1	6
15	Shape optimization for light weight design of direct-drive generator in large-scale wind turbine. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 2101-2108.	2.2	5
16	An approximate optimization strategy using refined hybrid metamodel. <i>Computational Intelligence</i> , 2020, 36, 35-54.	3.2	5
17	Shape Optimization for a Jaw Using Design Of Experiments. <i>Journal of Navigation and Port Research</i> , 2006, 30, 685-690.	0.1	4
18	Structural Safety Analysis Based on Seismic Service Conditions for Butterfly Valves in a Nuclear Power Plant. <i>Scientific World Journal, The</i> , 2014, 2014, 1-9.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Lightweight Design of an Outer Tie Rod for an Electrical Vehicle. Journal of Applied Mathematics, 2014, 2014, 1-6.	0.9	3
20	Three-dimensional weld toe magnification factors for various welded joints. Journal of Mechanical Science and Technology, 2012, 26, 2121-2124.	1.5	2
21	Structural design of a main starting valve based on the first axiom. International Journal of Precision Engineering and Manufacturing, 2012, 13, 685-691.	2.2	2
22	Bending Optimization of Archwire for Orthodontics Considering the Nonlinearity of Periodontal Ligament. Journal of the Korean Society of Manufacturing Process Engineers, 2013, 12, 77-83.	0.2	2
23	Structural dynamic analysis of a ball joint. , 2012, , .		1
24	Bending angle optimization of archwire in orthodontics. Journal of Mechanical Science and Technology, 2012, 26, 3959-3964.	1.5	1
25	Performance evaluation of a vane motor driven by liquefied hydrogen peroxide. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1163-1167.	2.2	1
26	Shape Optimization of a Segment Ball Valve Using Metamodels. Journal of Navigation and Port Research, 2010, 34, 553-558.	0.1	1
27	Structural Optimization of an LMU Using Approximate Model. Journal of the Korean Society of Manufacturing Process Engineers, 2018, 17, 75-82.	0.2	1
28	Optimum design of the single-phase outer rotor type Brushless DC motor for pump application using response surface methodology and Kriging. , 2010, , .		0
29	Optimum Design of 75 Nm, 300 rpm rated Transverse Flux Rotary Machine for direct drive motor using penalty method and Kriging with constraint. , 2010, , .		0
30	Structural analysis and optimization of an automotive propeller shaft. Advances in Mechanical Engineering, 2021, 13, 168781402110531.	1.6	0
31	Lightweight Design of a Main Starting Air Valve through FSI Analysis. Journal of the Korea Academia-Industrial Cooperation Society, 2013, 14, 5371-5376.	0.1	0