

Kwon-Hee Lee

List of Publications by Year in descending order

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31
papers

357
citations

933447

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h-index

839539

18
g-index

32
all docs

32
docs citations

32
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural analysis and optimization of an automotive propeller shaft. Advances in Mechanical Engineering, 2021, 13, 168781402110531.	1.6	0
2	An approximate optimization strategy using refined hybrid metamodel. Computational Intelligence, 2020, 36, 35-54.	3.2	5
3	Structural Optimization of an LMU Using Approximate Model. Journal of the Korean Society of Manufacturing Process Engineers, 2018, 17, 75-82.	0.2	1
4	Structural Optimization of a Knuckle with Consideration of Stiffness and Durability Requirements. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	6
5	Structural Safety Analysis Based on Seismic Service Conditions for Butterfly Valves in a Nuclear Power Plant. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	3
6	Process Design of a Ball Joint, Considering Caulking and Pull-Out Strength. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	10
7	Shape optimization for light weight design of direct-drive generator in large-scale wind turbine. International Journal of Precision Engineering and Manufacturing, 2014, 15, 2101-2108.	2.2	5
8	Lightweight Design of an Outer Tie Rod for an Electrical Vehicle. Journal of Applied Mathematics, 2014, 2014, 1-6.	0.9	3
9	Analysis and design of a ball joint, considering manufacturing process. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 146-151.	2.1	8
10	Optimization process for concept design of tactical missiles by using pareto front and TOPSIS. International Journal of Precision Engineering and Manufacturing, 2014, 15, 1371-1376.	2.2	12
11	Using stress relief grooves to reduce stress concentration on axle drive shaft. Journal of Mechanical Science and Technology, 2014, 28, 2121-2127.	1.5	11
12	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
13	Contact stress analysis for a pair of mating gears. Mathematical and Computer Modelling, 2013, 57, 40-49.	2.0	84
14	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
15	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
16	Structural dynamic analysis of a ball joint. , 2012, , .		1
17	Bending angle optimization of archwire in orthodontics. Journal of Mechanical Science and Technology, 2012, 26, 3959-3964.	1.5	1
18	Three-dimensional weld toe magnification factors for various welded joints. Journal of Mechanical Science and Technology, 2012, 26, 2121-2124.	1.5	2

#	ARTICLE	IF	CITATIONS
19	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
20	Shape design of a tire contour based on approximation model. Journal of Mechanical Science and Technology, 2011, 25, 149-155.	1.5	16
21	Prediction of the resistance coefficient in a segment ball valve. Journal of Mechanical Science and Technology, 2010, 24, 185-188.	1.5	7
22	Optimum design of the single-phase outer rotor type Brushless DC motor for pump application using response surface methodology and Kriging. , 2010, , .		0
23	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
24	Shape Optimization of a Segment Ball Valve Using Metamodels. Journal of Navigation and Port Research, 2010, 34, 553-558.	0.1	1
25	Structural optimization for a jaw using iterative Kriging metamodels. Journal of Mechanical Science and Technology, 2008, 22, 1651-1659.	1.5	19
26	A Global Robust Optimization Using Kriging Based Approximation Model. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2006, 49, 779-788.	0.3	56
27	A robust optimization using the statistics based on kriging metamodel. Journal of Mechanical Science and Technology, 2006, 20, 1169-1182.	1.5	26
28	Robust Design of an Automobile Front Bumper Using Design of Experiments. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2006, 220, 1199-1207.	1.9	7
29	Shape Optimization for a Jaw Using Design Of Experiments. Journal of Navigation and Port Research, 2006, 30, 685-690.	0.1	4
30	Optimization of a driver-side airbag using kriging based approximation model. Journal of Mechanical Science and Technology, 2005, 19, 116-126.	1.5	11
31	An optimization algorithm using orthogonal arrays in discrete design space for structures. Finite Elements in Analysis and Design, 2003, 40, 121-135.	3.2	51