

# Cheol W Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

176  
citations

1307594

7  
h-index

1125743

13  
g-index

22  
all docs

22  
docs citations

22  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of fuzzy systems using least-squares method and genetic algorithm. Fuzzy Sets and Systems, 2003, 137, 297-323.	2.7	36
2	Evolutionary modelling and optimization of grinding processes. International Journal of Production Research, 2000, 38, 2787-2813.	7.5	32
3	Intelligent Model-based Optimization of the Surface Grinding Process for Heat-Treated 4140 Steel Alloys With Aluminum Oxide Grinding Wheels. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2003, 125, 65-76.	2.2	25
4	Pareto fronts for multiobjective optimal design of the lithium-ion battery cell. Journal of Energy Storage, 2018, 17, 507-514.	8.1	15
5	A control-oriented model for the cylindrical grinding process. International Journal of Advanced Manufacturing Technology, 2009, 44, 657-666.	3.0	10
6	Estimation Strategy for a Series of Grinding Cycles in Batch Production. IEEE Transactions on Control Systems Technology, 2008, 16, 556-561.	5.2	8
7	Dynamic Optimization of the Grinding Process in Batch Production. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2009, 131, .	2.2	8
8	Derivation and tuning of a solvable and compact differential-algebraic equations model for LiFePO <sub>4</sub> -graphite Li-ion batteries. Journal of Applied Electrochemistry, 2018, 48, 365-377.	2.9	6
9	Modeling of Complex Manufacturing Processes by Hierarchical Fuzzy Basis Function Networks With Application to Grinding Processes. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2004, 126, 880-890.	1.6	5
10	Intelligent Direct Torque Control of Brushless DC motors for hybrid electric vehicles. , 2009, , .		5
11	Systematic Derivation and Tuning of a Compact Differential-Algebraic Equations Model for LiFePO <sub>4</sub> -Graphite Li-Ion Batteries. ECS Transactions, 2017, 75, 89-102.	0.5	5
12	Efficient reduced order model for heat transfer in a battery pack of an electric vehicle. Applied Thermal Engineering, 2022, 201, 117641.	6.0	5
13	On-line model identification for the machining process based on multirate process data. Journal of Manufacturing Systems, 2020, 56, 622-630.	13.9	3
14	Dynamic Optimization of the Grinding Process in Batch Production. , 2008, , .		3
15	Multirate Estimation for Discrete Processes Under Multirate Noise With Application to the Grinding Process. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2009, 131, .	1.6	2
16	The Multiobjective Optimal Design Problems and their Pareto Optimal Fronts for Li-Ion Battery Cells. , 2016, , .		2
17	A New Dynamic State Space Model for the Cylindrical Grinding Process. , 2005, , 697.		1
18	Multirate Estimation for the Machining Process Under Multirate Noise. , 2007, , 471.		1

#	ARTICLE	IF	CITATIONS
19	Optimisation of the multi-pass grinding operation using Evolution Strategy with variable length representation. International Journal of Manufacturing Research, 2010, 5, 286.	0.2	1
20	Implementation of Multirate Estimation for the Cylindrical Grinding Process. , 2008, , .		0
21	Identifiability of a Series of Discrete Process Cycles Based on Multirate Data. , 2020, , .		0