

# Zhihong Zou

## List of Publications by Year in descending order

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6  
papers

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citations

1684188

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1872680

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docs citations

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times ranked

45  
citing authors

#	ARTICLE	IF	CITATIONS
1	Digging performance characterization for hydraulic excavator considering uncertainty during digging operation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 857-871.	2.1	12
2	Lightweight and High-Strength Design of an Excavator Bucket under Uncertain Loading. Mathematical Problems in Engineering, 2019, 2019, 1-12.	1.1	9
3	Task space-based dynamic trajectory planning for digging process of a hydraulic excavator with the integration of soilâ€“bucket interaction. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2019, 233, 598-616.	0.8	9
4	Comprehensive theoretical digging performance analysis for hydraulic excavator using convex polytope method. Multibody System Dynamics, 2019, 47, 137-164.	2.7	8
5	Lightweight and high-strength optimization design for a fully parametric working attachment of a hydraulic excavator based on limiting theoretical digging capability model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 4819-4835.	2.1	7
6	Optimum dimensional synthesis for the working mechanism of a hydraulic excavator to improve the digging performance. Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics, 2018, 232, 357-370.	0.8	4