

Dong Zhang

List of Publications by Year in descending order

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15
papers

158
citations

1163117

8
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1125743

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g-index

15
all docs

15
docs citations

15
times ranked

136
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress Field Analysis in Orthogonal Cutting Process Using Digital Image Correlation Technique. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	28
2	Characterization of material strain and thermal softening effects in the cutting process. International Journal of Machine Tools and Manufacture, 2021, 160, 103672.	13.4	25
3	Hybrid Digital Image Correlation–Finite Element Modeling Approach for Modeling of Orthogonal Cutting Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	16
4	Influence of Zn/Al molar ratio on the structural and photoluminescence performances of Zn Al ₂ O ₄ :Cr ³⁺ phosphors. Journal of Alloys and Compounds, 2016, 688, 581-587.	5.5	14
5	Inverse identification of material plastic constitutive parameters based on the DIC determined workpiece deformation fields in orthogonal cutting. Procedia CIRP, 2018, 71, 134-139.	1.9	13
6	Subsurface Deformation Generated by Orthogonal Cutting: Analytical Modeling and Experimental Verification. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2017, 139, .	2.2	12
7	A Comprehensive Experiment-Based Approach to Generate Stress Field and Slip Lines in Cutting Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	11
8	New In Situ Imaging-Based Methodology to Identify the Material Constitutive Model Coefficients in Metal Cutting Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	10
9	Spacing Allocation Method for Vehicular Platoon: A Cooperative Game Theory Approach. Applied Sciences (Switzerland), 2020, 10, 5589.	2.5	7
10	Dynamics of chip formation during the cutting process using imaging techniques: A review. International Journal of Mechanical System Dynamics, 2022, 2, 27-49.	2.8	7
11	Experimental and numerical study of the subsurface deformation and residual stress during the roller burnishing process. Procedia CIRP, 2020, 87, 491-496.	1.9	5
12	Approach of Coordinated Control Method for Over-Actuated Vehicle Platoon based on Reference Vector Field. Applied Sciences (Switzerland), 2019, 9, 297.	2.5	4
13	Selective tuning of magnetization dynamics damping in Tb- and Nd-doped permalloy ultrathin films by adjacent copper nanolayers. Journal of Alloys and Compounds, 2016, 672, 170-175.	5.5	3
14	Modeling and analysis of residual stress in dynamic orthogonal cutting. Procedia CIRP, 2020, 87, 485-490.	1.9	2
15	Experimental Study of Strain Field Evolution During Milling Process. Procedia CIRP, 2017, 58, 128-133.	1.9	1