

Brad L Kinsey

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

501
citations

759233

12
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	Robustness of deep-drawing finite-element simulations to process variations. International Journal of Material Forming, 2022, 15, .	2.0	8
2	Effect of Process Parameters on Wavy Interfacial Morphology During Magnetic Pulse Welding. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	10
3	Life Cycle Environmental and Economic Comparison of Water Droplet Machining and Traditional Abrasive Waterjet Cutting. Sustainability, 2021, 13, 12275.	3.2	0
4	Experimental studies into the role of cyclic bending during stretching of dual-phase steel sheets. International Journal of Material Forming, 2020, 13, 393-408.	2.0	18
5	Plasticity and Formability of Annealed, Commercially-Pure Aluminum: Experiments and Modeling. Materials, 2020, 13, 4285.	2.9	10
6	Experimental comparison of material removal rates in abrasive waterjet cutting and a novel droplet stream technique. Procedia Manufacturing, 2020, 48, 586-592.	1.9	6
7	The transient force profile of low-speed droplet impact: measurements and model. Journal of Fluid Mechanics, 2019, 867, 300-322.	3.4	38
8	Normal impact force of Rayleigh jets. Physical Review Fluids, 2019, 4, .	2.5	20
9	Deformation Processes. , 2019, , 277-382.		1
10	Flyer Thickness Effect in the Impact Welding of Aluminum to Steel. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2018, 140, .	2.2	19
11	Residual Ductility and Microstructural Evolution in Continuous-Bending-under-Tension of AA-6022-T4. Materials, 2016, 9, 130.	2.9	45
12	Shear instability of plastically-deforming metals in high-velocity impact welding. Journal of the Mechanics and Physics of Solids, 2016, 95, 351-373.	4.8	45
13	Numerical studies on high-velocity impact welding: smoothed particle hydrodynamics (SPH) and arbitrary Lagrangian-Eulerian (ALE). Journal of Manufacturing Processes, 2016, 24, 376-381.	5.9	59
14	Investigation of thermal and mechanical effects during electrically-assisted microbending. Journal of Materials Processing Technology, 2015, 221, 1-12.	6.3	31
15	Formability Enhancement in Titanium Tube-Flaring by Manipulating the Deformation Path. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2015, 137, .	2.2	10
16	Numerical and Experimental Investigations of Key Assumptions in Analytical Failure Models for Sheet Metal Forming. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	2.2	10
17	Deformation Size Effects Due to Specimen and Grain Size in Microbending. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2010, 132, .	2.2	27
18	Experimental Investigation of Grain and Specimen Size Effects During Electrical-Assisted Forming. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2010, 132, .	2.2	48

#	ARTICLE	IF	CITATIONS
19	Prediction of Strain Gradient Hardening During Microextrusion. Materials and Manufacturing Processes, 2010, 25, 769-776.	4.7	4
20	The effect of engineering major on spatial ability improvements over the course of undergraduate studies. Proceedings - Frontiers in Education Conference, FIE, 2007, , .	0.0	6
21	An Analytical Model for Tailor Welded Blank Forming. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2003, 125, 344-351.	2.2	44
22	Experimental Implementation of Neural Network Springback Control for Sheet Metal Forming. Journal of Engineering Materials and Technology, Transactions of the ASME, 2003, 125, 141-147.	1.4	41