

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	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
2	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
3	Residual Ductility and Microstructural Evolution in Continuous-Bending-under-Tension of AA-6022-T4. Materials, 2016, 9, 130.	2.9	45
4	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
5	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
6	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
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	Investigation of thermal and mechanical effects during electrically-assisted microbending. Journal of Materials Processing Technology, 2015, 221, 1-12.	6.3	31
9	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
10	Normal impact force of Rayleigh jets. Physical Review Fluids, 2019, 4, .	2.5	20
11	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
12	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
13	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
14	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
15	Plasticity and Formability of Annealed, Commercially-Pure Aluminum: Experiments and Modeling. Materials, 2020, 13, 4285.	2.9	10
16	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
17	Robustness of deep-drawing finite-element simulations to process variations. International Journal of Material Forming, 2022, 15, .	2.0	8
18	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

#	ARTICLE	IF	CITATIONS
19	Experimental comparison of material removal rates in abrasive waterjet cutting and a novel droplet stream technique. <i>Procedia Manufacturing</i> , 2020, 48, 586-592.	1.9	6
20	Prediction of Strain Gradient Hardening During Microextrusion. <i>Materials and Manufacturing Processes</i> , 2010, 25, 769-776.	4.7	4
21	Deformation Processes. , 2019, , 277-382.		1
22	Life Cycle Environmental and Economic Comparison of Water Droplet Machining and Traditional Abrasive Waterjet Cutting. <i>Sustainability</i> , 2021, 13, 12275.	3.2	0