

Shun-lai Zang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

760
citations

623188

14
h-index

676716

22
g-index

25
all docs

25
docs citations

25
times ranked

535
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect study and application to improve high cycle fatigue resistance of TC11 titanium alloy by laser shock peening with multiple impacts. <i>Surface and Coatings Technology</i> , 2014, 253, 68-75.	2.2	115
2	An evolutionary anisotropic model for sheet metals based on non-associated flow rule approach. <i>Computational Materials Science</i> , 2014, 81, 15-29.	1.4	84
3	Evaluation of anisotropic constitutive models: Mixed anisotropic hardening and non-associated flow rule approach. <i>International Journal of Mechanical Sciences</i> , 2013, 73, 53-68.	3.6	68
4	Calibration of anisotropic yield criterion with conventional tests or biaxial test. <i>International Journal of Mechanical Sciences</i> , 2014, 85, 142-151.	3.6	63
5	Measurement of the Bauschinger behavior of sheet metals by three-point bending springback test with pre-strained strips. <i>International Journal of Plasticity</i> , 2014, 59, 84-107.	4.1	61
6	Evaluating the significance of hardening behavior and unloading modulus under strain reversal in sheet springback prediction. <i>International Journal of Mechanical Sciences</i> , 2013, 77, 194-204.	3.6	57
7	A model of one-surface cyclic plasticity and its application to springback prediction. <i>International Journal of Mechanical Sciences</i> , 2011, 53, 425-435.	3.6	52
8	Prediction of anisotropy and hardening for metallic sheets in tension, simple shear and biaxial tension. <i>International Journal of Mechanical Sciences</i> , 2011, 53, 338-347.	3.6	49
9	A constitutive model for spring-back prediction in which the change of Young's modulus with plastic deformation is considered. <i>International Journal of Machine Tools and Manufacture</i> , 2007, 47, 1791-1797.	6.2	42
10	Experimental and numerical investigation for ductile fracture of Al-alloy 5052 using modified Rousselier model. <i>Computational Materials Science</i> , 2013, 71, 115-123.	1.4	35
11	Measurements of Bauschinger effect and transient behavior of a quenched and partitioned advanced high strength steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 586, 31-37.	2.6	28
12	Zoning study on the fatigue crack propagation behaviors of a double-sided electron beam welded joint of TC4 titanium alloy with the thickness of 140Åmm. <i>International Journal of Fatigue</i> , 2021, 146, 106145.	2.8	18
13	Damage evolution behavior of TiN/Ti multilayer coatings under high-speed impact conditions. <i>Surface and Coatings Technology</i> , 2021, 426, 127807.	2.2	18
14	Analysis of the mechanical properties of TiN/Ti multilayer coatings using indentation under a broad load range. <i>Ceramics International</i> , 2021, 47, 10796-10808.	2.3	16
15	Evaluation of the elastic-plastic properties of TiN coating by nanoindentation technologies using FEM-inverse algorithm. <i>Surface and Coatings Technology</i> , 2021, 409, 126855.	2.2	13
16	The remodeling of alveolar bone supporting the mandibular first molar with different levels of periodontal attachment. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 991-997.	1.6	11
17	Modeling Bake Hardening Effects in Steel Sheets—Application to Dent Resistance. <i>Metals</i> , 2018, 8, 594.	1.0	10
18	Constructing micro-mechanical representative volume element of medium Mn steel from EBSD data. <i>Materials and Design</i> , 2017, 129, 34-43.	3.3	8

#	ARTICLE	IF	CITATIONS
19	Identification of 7B04 aluminum alloy anisotropy yield criteria with conventional test and Pottier test at elevated temperature. Results in Physics, 2019, 15, 102655.	2.0	4
20	A General Yield Function within the Framework of Linear Transformations of Stress Tensors for the Description of Plastic-strain-induced Anisotropy. , 2011, , .		3
21	Influence of Parameter Identification of Anisotropic Yield Function on Spring-Back Prediction in Finite Element Simulation of Sheet Metal Forming Process. Advanced Materials Research, 2011, 189-193, 1465-1471.	0.3	2
22	A new representation of linear transformation tensor for the description of plastic subsequent anisotropy. AIP Conference Proceedings, 2013, , .	0.3	2
23	Evaluation of Associated and Non-Associated Flow Metal Plasticity; Application for DC06 Deep Drawing Steel. Key Engineering Materials, 2012, 504-506, 661-666.	0.4	1
24	Springback Prediction Using the Split-Ring Test Based on a Combined Anisotropic Hardening Model. Applied Mechanics and Materials, 2012, 217-219, 1375-1380.	0.2	0
25	Measurement of Cyclic Behavior of Advanced High Strength Steel Sheets Based on Pre-straining and Bending. Transactions of Materials Processing, 2017, 26, 41-47.	0.1	0