Shun-lai Zang

List of Publications by Year in Descending Order

24 papers	**574** citations	**11** h-index	**23** g-index
25 ext. papers	**680** ext. citations	**4.4** avg, IF	**3.91** L-index

#	Paper	IF	Citations
24	Damage evolution behavior of TiN/Ti multilayer coatings under high-speed impact conditions. *Surface and Coatings Technology*, **2021**, 426, 127807	4.4	4
23	Evaluation of the elastic-plastic properties of TiN coating by nanoindentation technologies using FEM-reverse algorithm. *Surface and Coatings Technology*, **2021**, 409, 126855	4.4	4
22	Analysis of the mechanical properties of TiN/Ti multilayer coatings using indentation under a broad load range. *Ceramics International*, **2021**, 47, 10796-10808	5.1	5
21	Zoning study on the fatigue crack propagation behaviors of a double-sided electron beam welded joint of TC4 titanium alloy with the thickness of 140 mm. *International Journal of Fatigue*, **2021**, 146, 106145	5	6
20	Identification of 7B04 aluminum alloy anisotropy yield criteria with conventional test and Pottier test at elevated temperature. *Results in Physics*, **2019**, 15, 102655	3.7	2
19	Modeling Bake Hardening Effects in Steel Sheets-Application to Dent Resistance. *Metals*, **2018**, 8, 594	2.3	2
18	Constructing micro-mechanical representative volume element of medium Mn steel from EBSD data. *Materials and Design*, **2017**, 129, 34-43	8.1	6
17	An evolutionary anisotropic model for sheet metals based on non-associated flow rule approach. *Computational Materials Science*, **2014**, 81, 15-29	3.2	64
16	Effect study and application to improve high cycle fatigue resistance of TC11 titanium alloy by laser shock peening with multiple impacts. *Surface and Coatings Technology*, **2014**, 253, 68-75	4.4	87
15	Calibration of anisotropic yield criterion with conventional tests or biaxial test. *International Journal of Mechanical Sciences*, **2014**, 85, 142-151	5.5	50
14	Measurement of the Bauschinger behavior of sheet metals by three-point bending springback test with pre-strained strips. *International Journal of Plasticity*, **2014**, 59, 84-107	7.6	48
13	The remodeling of alveolar bone supporting the mandibular first molar with different levels of periodontal attachment. *Medical and Biological Engineering and Computing*, **2013**, 51, 991-7	3.1	10
12	Measurements of Bauschinger effect and transient behavior of a quenched and partitioned advanced high strength steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 586, 31-37	5.3	23
11	Evaluating the significance of hardening behavior and unloading modulus under strain reversal in sheet springback prediction. *International Journal of Mechanical Sciences*, **2013**, 77, 194-204	5.5	42
10	Experimental and numerical investigation for ductile fracture of Al-alloy 5052 using modified Rousselier model. *Computational Materials Science*, **2013**, 71, 115-123	3.2	33
9	Evaluation of anisotropic constitutive models: Mixed anisotropic hardening and non-associated flow rule approach. *International Journal of Mechanical Sciences*, **2013**, 73, 53-68	5.5	55
8	A new representation of linear transformation tensor for the description of plastic subsequent anisotropy **2013**,		2

List of Publications

7	Springback Prediction Using the Split-Ring Test Based on a Combined Anisotropic Hardening Model. *Applied Mechanics and Materials*, **2012**, 217-219, 1375-1380	0.3	
6	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
5	A model of one-surface cyclic plasticity and its application to springback prediction. *International Journal of Mechanical Sciences*, **2011**, 53, 425-435	5.5	43
4	Prediction of anisotropy and hardening for metallic sheets in tension, simple shear and biaxial tension. *International Journal of Mechanical Sciences*, **2011**, 53, 338-347	5.5	44
3	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	0.5	1
2	A General Yield Function within the Framework of Linear Transformations of Stress Tensors for the Description of Plastic-strain-induced Anisotropy **2011**,		3
1	A constitutive model for spring-back prediction in which the change of Young's modulus with plastic deformation is considered. *International Journal of Machine Tools and Manufacture*, **2007**, 47, 1791-1797	9.4	39