

Jeong Whan Yoon

List of Publications by Year in descending order

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217
papers

9,222
citations

41344

49
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225
all docs

225
docs citations

225
times ranked

2470
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic distortional hardening based on deviatoric stress invariants under non-associated flow rule. International Journal of Plasticity, 2022, 151, 103214.	8.8	18
2	A new asymmetric yield criterion based on Yld 2000-2d under both associated and non-associated flow rules: Modeling and validation. Mechanics of Materials, 2022, 167, 104245.	3.2	17
3	Artificial intelligence for springback compensation with electric vehicle motor component. International Journal of Material Forming, 2022, 15, 1.	2.0	9
4	Modeling of the Anisotropic Evolution of Yield Surface Based on Non-associated Flow Rule. Minerals, Metals and Materials Series, 2022, , 355-364.	0.4	0
5	Machine learning-based constitutive model for J2- plasticity. International Journal of Plasticity, 2021, 138, 102919.	8.8	55
6	A coupled yield criterion for anisotropic hardening with analytical description under associated flow rule: Modeling and validation. International Journal of Plasticity, 2021, 136, 102882.	8.8	45
7	Machinability studies of AA2024-T351 alloy with uncoated carbide tool. Materials Today: Proceedings, 2021, 44, 1058-1064.	1.8	0
8	A user-friendly anisotropic ductile fracture criterion for sheet metal under proportional loading. International Journal of Solids and Structures, 2021, 217-218, 48-59.	2.7	17
9	Analytical description of an asymmetric yield function (Yoon2014) by considering anisotropic hardening under non-associated flow rule. International Journal of Plasticity, 2021, 140, 102978.	8.8	39
10	Finite Element Modeling for Orthogonal Machining of AA2024-T351 Alloy With an Advanced Fracture Criterion. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	2
11	Analytical determination of anisotropic parameters for Poly6 yield function. International Journal of Mechanical Sciences, 2021, 201, 106467.	6.7	26
12	Prediction of ballooning and burst for nuclear fuel cladding with anisotropic creep modeling during Loss of Coolant Accident (LOCA). Nuclear Engineering and Technology, 2021, 53, 3379-3397.	2.3	12
13	Robust characterization of anisotropic shear fracture strains with constant triaxiality using shape optimization of torsional twin bridge specimen. CIRP Annals - Manufacturing Technology, 2021, 70, 211-214.	3.6	9
14	A new approach for fracture prediction considering general anisotropy of metal sheets. International Journal of Plasticity, 2020, 124, 199-225.	8.8	40
15	Strength modeling of sheet metals from shear to plane strain tension. International Journal of Plasticity, 2020, 134, 102813.	8.8	55
16	The roles of yield function and plastic potential under non-associated flow rule for formability prediction with perturbation approach. IOP Conference Series: Materials Science and Engineering, 2020, 967, 012027.	0.6	0
17	Reduced texture approach for crystal plasticity finite element method toward macroscopic engineering applications. IOP Conference Series: Materials Science and Engineering, 2020, 967, 012071.	0.6	1
18	Development of MERCURY for simulation of multidimensional fuel behavior for LOCA condition. Nuclear Engineering and Design, 2020, 369, 110853.	1.7	8

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19	A pressure-coupled Drucker function for plasticity and fracture modelling of AA5182. IOP Conference Series: Materials Science and Engineering, 2020, 967, 012029.	0.6	0
20	A multiplicative plastic hardening model in consideration of strain softening and strain rate: Theoretical derivation and characterization of model parameters with simple tension and creep test. International Journal of Mechanical Sciences, 2020, 187, 105913.	6.7	11
21	Combined anisotropic and distortion hardening to describe directional response with Bauschinger effect. International Journal of Plasticity, 2019, 122, 73-88.	8.8	43
22	A reduced Yld2004 function for modeling of anisotropic plastic deformation of metals under triaxial loading. International Journal of Mechanical Sciences, 2019, 161-162, 105027.	6.7	22
23	AEPA2018 Special Issue: Recent Issues for Metal Forming Research. International Journal of Automotive Technology, 2019, 20, 1-1.	1.4	0
24	Enhanced Constitutive Model for Aeronautic Aluminium Alloy (AA2024-T351) under High Strain Rates and Elevated Temperatures. International Journal of Automotive Technology, 2019, 20, 79-87.	1.4	5
25	A Springback Prediction of 1.5 GPa Grade Steel in Roll Forming Process for Automotive Sill-Side Inner Component. Key Engineering Materials, 2019, 794, 267-274.	0.4	4
26	A criterion for general description of anisotropic hardening considering strength differential effect with non-associated flow rule. International Journal of Plasticity, 2019, 121, 76-100.	8.8	77
27	Dynamic Axial Compression of Square CFRP/Aluminium Tubes. Key Engineering Materials, 2019, 794, 202-207.	0.4	0
28	Evolution of residual stress distortion of a machined product for AA7085. Production Engineering, 2019, 13, 123-131.	2.3	3
29	A new approach for advanced plasticity and fracture modelling. IOP Conference Series: Materials Science and Engineering, 2019, 651, 012097.	0.6	0
30	Finite element modeling and durability evaluation for rubber pad forming process. IOP Conference Series: Materials Science and Engineering, 2019, 651, 012096.	0.6	2
31	Alternative approach to model ductile fracture by incorporating anisotropic yield function. International Journal of Solids and Structures, 2019, 164, 12-24.	2.7	36
32	Stress integration-based on finite difference method and its application for anisotropic plasticity and distortional hardening under associated and non-associated flow rules. Computer Methods in Applied Mechanics and Engineering, 2019, 345, 123-160.	6.6	41
33	Study on springback from thermal-mechanical boundary condition imposed to V-bending and L-bending processes coupled with infrared rays local heating. International Journal of Material Forming, 2018, 11, 417-433.	2.0	13
34	Correlation of the maximum shear stress with micro-mechanisms of ductile fracture for metals with high strength-to-weight ratio. International Journal of Mechanical Sciences, 2018, 146-147, 583-601.	6.7	60
35	Anisotropic fracture forming limit diagram considering non-directionality of the equi-biaxial fracture strain. International Journal of Solids and Structures, 2018, 151, 181-194.	2.7	55
36	Plastic anisotropy and failure in thin metal: Material characterization and fracture prediction with an advanced constitutive model and polar EPS (effective plastic strain) fracture diagram for AA 3014-H19. International Journal of Solids and Structures, 2018, 151, 195-213.	2.7	20

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37	On the efficiency and accuracy of stress integration algorithms for constitutive models based on non-associated flow rule. <i>International Journal of Material Forming</i> , 2018, 11, 239-246.	2.0	5
38	Anisotropic yield function based on stress invariants for BCC and FCC metals and its extension to ductile fracture criterion. <i>International Journal of Plasticity</i> , 2018, 101, 125-155.	8.8	137
39	Constitutive modeling and FE implementation for anisotropic hardening under proportional loading conditions. <i>Journal of Physics: Conference Series</i> , 2018, 1063, 012025.	0.4	0
40	Earing prediction of AA 2008-T4 with anisotropic Drucker yield function based on the second and third stress invariants. <i>Journal of Physics: Conference Series</i> , 2018, 1063, 012113.	0.4	4
41	Extension of the DF2016 isotropic model into an anisotropic ductile fracture criterion. <i>Journal of Physics: Conference Series</i> , 2018, 1063, 012148.	0.4	1
42	Scratch Modeling of Paint Coated Sheet Metal for Multi-Stage Deep Drawing Process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 418, 012100.	0.6	0
43	FE implementation of HAH model using FDM-based stress update algorithm for springback prediction of AHSS sheets. <i>Journal of Physics: Conference Series</i> , 2018, 1063, 012021.	0.4	0
44	Kinematic hardening model considering directional hardening response. <i>International Journal of Plasticity</i> , 2018, 110, 145-165.	8.8	35
45	Rupture model based on non-associated plasticity. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
46	Material characterization and fracture prediction with advanced constitutive model and Polar EPS fracture diagram for AA 3104-H19. <i>Journal of Physics: Conference Series</i> , 2018, 1063, 012156.	0.4	1
47	Stress update algorithm based on finite difference method and its application to homogenous anisotropic hardening (HAH) model. <i>Journal of Physics: Conference Series</i> , 2018, 1063, 012011.	0.4	1
48	Modeling of ductile fracture from shear to balanced biaxial tension for sheet metals. <i>International Journal of Solids and Structures</i> , 2017, 112, 169-184.	2.7	179
49	Anisotropic ductile fracture criterion based on linear transformation. <i>International Journal of Plasticity</i> , 2017, 93, 3-25.	8.8	100
50	Prediction of fracture initiation in square cup drawing of DP980 using an anisotropic ductile fracture criterion. <i>Journal of Physics: Conference Series</i> , 2017, 896, 012111.	0.4	2
51	Shape optimization of shear fracture specimen considering plastic anisotropy. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
52	Linear transformation based orthotropic shear ductile fracture criterion for lightweight metals. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	1
53	A new strategy to describe nonlinear elastic and asymmetric plastic behaviors with one yield surface. <i>International Journal of Plasticity</i> , 2017, 98, 217-238.	8.8	23
54	A yield criterion through coupling of quadratic and non-quadratic functions for anisotropic hardening with non-associated flow rule. <i>International Journal of Plasticity</i> , 2017, 99, 120-143.	8.8	109

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55	Orthotropic ductile fracture criterion based on linear transformation. Journal of Physics: Conference Series, 2017, 896, 012110.	0.4	1
56	Crushing response of square aluminium tubes filled with polyurethane foam and aluminium honeycomb. Thin-Walled Structures, 2017, 110, 140-154.	5.3	123
57	A manufacturing process using the infrared ray local heating method for seat cross members. International Journal of Advanced Manufacturing Technology, 2017, 89, 3299-3305.	3.0	13
58	Finite Element formulation of a general asymmetrical yield function for pressure sensitive metals. Procedia Engineering, 2017, 207, 215-220.	1.2	3
59	J2 - J3 based anisotropic yield function under spatial loading. Procedia Engineering, 2017, 207, 233-238.	1.2	5
60	Advances in Constitutive and Failure Models for Sheet Forming Simulation. Journal of Physics: Conference Series, 2016, 734, 032145.	0.4	0
61	A comparison of deformation and failure behaviors of AZ31 and E-form Mg alloys under V-bending test. Journal of Physics: Conference Series, 2016, 734, 032141.	0.4	0
62	Prediction of the bending behavior after pre-strain of an aluminum alloy. AIP Conference Proceedings, 2016, , .	0.4	0
63	Benchmark 3 - Springback of an Al-Mg alloy in warm forming conditions. Journal of Physics: Conference Series, 2016, 734, 022003.	0.4	11
64	A shear ductile fracture criterion for metal forming. Journal of Physics: Conference Series, 2016, 734, 032137.	0.4	1
65	Prediction of failure in bending of an aluminium sheet alloy. International Journal of Mechanical Sciences, 2016, 119, 23-35.	6.7	23
66	Fracture prediction using modified mohr coulomb theory for non-linear strain paths using AA3104-H19. Journal of Physics: Conference Series, 2016, 734, 032116.	0.4	0
67	Safe, flexible and efficient sheet metal forming: formability - fracture, incremental sheet forming & rolling. International Journal of Material Forming, 2016, 9, 259-260.	2.0	0
68	Stress based prediction of formability and failure in incremental sheet forming. International Journal of Material Forming, 2016, 9, 413-421.	2.0	12
69	Path-independent forming limit models for multi-stage forming processes. International Journal of Material Forming, 2016, 9, 327-337.	2.0	10
70	Editorial: NUMISHEET2014 Special Issue. Steel Research International, 2015, 86, 851-851.	1.8	0
71	Modeling the Effect of Asymmetric Rolling on Mechanical Properties of Al-Mg Alloys. Steel Research International, 2015, 86, 922-931.	1.8	4
72	Wrinkling during Cup Drawing with NUMISHEET2014 Benchmark Test. Steel Research International, 2015, 86, 915-921.	1.8	3

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73	Study on Yield Function and Plastic Potential Under Non-Associated Flow for Accurate Earing Prediction in Cup Drawing. <i>Steel Research International</i> , 2015, 86, 852-860.	1.8	8
74	A non-associated plasticity model with anisotropic and nonlinear kinematic hardening for simulation of sheet metal forming. <i>International Journal of Solids and Structures</i> , 2015, 69-70, 370-382.	2.7	25
75	Necking behavior of AA 6022-T4 based on the crystal plasticity and damage models. <i>International Journal of Plasticity</i> , 2015, 73, 3-23.	8.8	55
76	Numerical modeling and analysis for forming process of dual-phase 980 steel exposed to infrared local heating. <i>International Journal of Solids and Structures</i> , 2015, 75-76, 211-224.	2.7	24
77	Strain rate effect of high purity aluminum single crystals: Experiments and simulations. <i>International Journal of Plasticity</i> , 2015, 67, 39-52.	8.8	88
78	Stress-Based Forming Limit Curves. , 2014, , 71-84.		1
79	In honor of Kwansoo Chung. <i>International Journal of Plasticity</i> , 2014, 58, 1-2.	8.8	0
80	Modeling of shear ductile fracture considering a changeable cut-off value for stress triaxiality. <i>International Journal of Plasticity</i> , 2014, 54, 56-80.	8.8	324
81	Kinematics of Portevin-Le Chatelier bands in simple shear. <i>International Journal of Plasticity</i> , 2014, 58, 66-83.	8.8	44
82	Study on the definition of equivalent plastic strain under non-associated flow rule for finite element formulation. <i>International Journal of Plasticity</i> , 2014, 58, 219-238.	8.8	62
83	Asymmetric yield function based on the stress invariants for pressure sensitive metals. <i>International Journal of Plasticity</i> , 2014, 56, 184-202.	8.8	203
84	Suppression of necking in incremental sheet forming. <i>International Journal of Solids and Structures</i> , 2014, 51, 2840-2849.	2.7	49
85	Editorial: In honor of Robert H. Wagoner. <i>International Journal of Plasticity</i> , 2013, 45, 1-2.	8.8	0
86	Failure prediction in the hole-flanging process of aluminium alloys. <i>Engineering Fracture Mechanics</i> , 2013, 99, 251-265.	4.3	45
87	Subspace analysis to alleviate the volumetric locking in the 3D solid-shell EFG method. <i>Journal of Computational and Applied Mathematics</i> , 2013, 246, 185-194.	2.0	5
88	On the elasto-plastic buckling of Integrally Stiffened Panels (ISP) joined by Friction Stir Welding (FSW): Numerical simulation and optimization algorithms. <i>International Journal of Mechanical Sciences</i> , 2013, 76, 49-59.	6.7	25
89	Consideration of strength differential effect in sheet metals with symmetric yield functions. <i>International Journal of Mechanical Sciences</i> , 2013, 66, 214-223.	6.7	68
90	Benchmark 4 - Wrinkling during cup drawing. , 2013, , .		4

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91	Material characterizations for Benchmark 1 and Benchmark 2. , 2013, , .		11
92	Benchmark 3 - Incremental sheet forming. AIP Conference Proceedings, 2013, , .	0.4	16
93	Prediction of FLD of sheet metals based on crystal plasticity model. , 2013, , .		0
94	Bifurcation Instability of sheet metal during spring-back. Philosophical Magazine, 2013, 93, 1914-1935.	1.6	6
95	Variation of yield loci in finite element analysis by considering texture evolution for AA5042 aluminum sheets. , 2013, , .		0
96	Stress-based predictions of formability and failure in incremental sheet forming. AIP Conference Proceedings, 2013, , .	0.4	1
97	Anisotropic hardening model based on non-associated flow rule and combined nonlinear kinematic hardening for sheet materials. AIP Conference Proceedings, 2013, , .	0.4	2
98	Modified Mohr-Coulomb fracture model for anisotropic sheet materials under limited triaxial stress conditions. , 2013, , .		1
99	Modeling of shear ductile fracture considering a changeable cut-off value for stress triaxiality. AIP Conference Proceedings, 2013, , .	0.4	2
100	Simulation of earing behaviors in bake hardening steel exhibiting a strong off- $\hat{\epsilon}^3$ -fiber component. International Journal of Solids and Structures, 2012, 49, 3573-3581.	2.7	10
101	Biaxial deformation behaviour of AZ31 magnesium alloy: Crystal-plasticity-based prediction and experimental validation. International Journal of Solids and Structures, 2012, 49, 3551-3561.	2.7	66
102	Path independent forming limits in strain and stress spaces. International Journal of Solids and Structures, 2012, 49, 3616-3625.	2.7	112
103	Path Independent Polar Effective Plastic Strain (PEPS) Diagram for Sheet Forming. , 2012, , 723-730.		1
104	Effect of Off- $\hat{\epsilon}^3$ -fiber Texture Components on R-value Anisotropy and Cup-Drawing Behavior in High-Strength Steel Sheets. , 2011, , .		0
105	Cripleless nanotension test for determination of nano-scale properties. International Journal of Plasticity, 2011, 27, 1527-1536.	8.8	7
106	Evaluation of advanced anisotropic models with mixed hardening for general associated and non-associated flow metal plasticity. International Journal of Plasticity, 2011, 27, 1781-1802.	8.8	58
107	In honor of Akhtar S. Khan. International Journal of Plasticity, 2011, 27, 1457-1458.	8.8	0
108	Genetic alterations of the CHOP gene in gastric cancers. Molecular and Cellular Toxicology, 2011, 7, 1-6.	1.7	1

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109	Strain-rate potential based elastic/plastic anisotropic model for metals displaying tension-compression asymmetry. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1993-2004.	6.6	4
110	A new approach for failure criterion for sheet metals. International Journal of Plasticity, 2011, 27, 440-459.	8.8	171
111	A new analytical theory for earing generated from anisotropic plasticity. International Journal of Plasticity, 2011, 27, 1165-1184.	8.8	78
112	Effect of anisotropic yield functions on the accuracy of hole expansion simulations. Journal of Materials Processing Technology, 2011, 211, 475-481.	6.3	112
113	Elasto-plastic buckling of integrally stiffened panels (ISP): An optimization approach for the design of cross-section profiles. Thin-Walled Structures, 2011, 49, 864-873.	5.3	13
114	New distortional hardening model capable of predicting eight ears for textured aluminum sheet. , 2011, , .		0
115	Paradigm Change: Alternate Approaches to Constitutive and Necking Models for Sheet Metal Forming. AIP Conference Proceedings, 2011, , .	0.4	6
116	A New Axi-Symmetric Element for Thin Walled Structures. , 2010, , .		0
117	Mechanical properties and microstructure of AA1050 after ECAE (Equal Channel Angular Extrusion). , 2010, , .		7
118	Effect of Asymmetric Rolling on Plastic Anisotropy of Low Carbon Steels during Simple Shear Tests. , 2010, , .		2
119	Effect of Anisotropic Yield Functions on the Accuracy of Hole Expansion Simulations for 590 MPa Grade Steel Sheet. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2010, 96, 557-563.	0.4	25
120	Puncture fracture in an aluminum beverage can. International Journal of Impact Engineering, 2010, 37, 150-160.	5.0	16
121	A new axi-symmetric element for thin walled structures. Computational Mechanics, 2010, 45, 281-296.	4.0	1
122	On an Innovative Optimization Approach for the Design of Cross-section Profiles of Integrally Stiffened Panels Subjected to Elasto-plastic Buckling Deformation Modes. International Journal of Material Forming, 2010, 3, 49-52.	2.0	2
123	A Polycrystal Model to Evaluate Mechanical Properties of Asymmetrically Rolled AL Sheets. International Journal of Material Forming, 2010, 3, 61-64.	2.0	1
124	New Anisotropic Strain-rate Potential for Hexagonal Metals. International Journal of Material Forming, 2010, 3, 227-230.	2.0	1
125	Hole expansion simulation of high strength steel sheet. International Journal of Material Forming, 2010, 3, 259-262.	2.0	11
126	On the influence of fsw in the elastoplastic buckling load-carrying capacity of extruded integrally stiffened panels for aeronautic applications. International Journal of Material Forming, 2010, 3, 1019-1022.	2.0	5

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127	Earing predictions for strongly textured aluminum sheets. International Journal of Mechanical Sciences, 2010, 52, 1563-1578.	6.7	72
128	A non-associated constitutive model with mixed iso-kinematic hardening for finite element simulation of sheet metal forming. International Journal of Plasticity, 2010, 26, 288-309.	8.8	86
129	Orthotropic strain rate potential for the description of anisotropy in tension and compression of metals. International Journal of Plasticity, 2010, 26, 887-904.	8.8	58
130	A novel approach for anisotropic hardening modeling. Part II: Anisotropic hardening in proportional and non-proportional loadings, application to initially isotropic material. International Journal of Plasticity, 2010, 26, 1029-1049.	8.8	38
131	Microstructural evolution and its effect on mechanical properties of commercially pure aluminum deformed by ECAE (Equal Channel Angular Extrusion) via routes A and C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7927-7930.	5.6	26
132	Cup-Drawing Behavior of High-Strength Steel Sheets Containing Different Volume Fractions of Martensite. , 2010, , .		0
133	Modeling of Directional Hardening Based on Non-Associated Flow for Sheet Forming. , 2010, , .		7
134	Phospholipase D1 Drives a Positive Feedback Loop to Reinforce the Wnt/ β -Catenin/TCF Signaling Axis. Cancer Research, 2010, 70, 4233-4242.	0.9	42
135	Interplay between plastic deformations and optical properties of metal surfaces: A multiscale study. Applied Physics Letters, 2009, 95, .	3.3	10
136	Buckling analysis for an integrally stiffened panel structure with a friction stir weld. Thin-Walled Structures, 2009, 47, 1608-1622.	5.3	38
137	Anisotropic hardening and non-associated flow in proportional loading of sheet metals. International Journal of Plasticity, 2009, 25, 1777-1817.	8.8	227
138	A novel approach for modeling of anisotropic hardening and non proportional loading paths, application to finite element analysis of deep drawing. International Journal of Material Forming, 2009, 2, 367-370.	2.0	3
139	Comparison of forming and fracture limits of an aluminum alloy and austenitic stainless steel. International Journal of Material Forming, 2009, 2, 431-434.	2.0	3
140	Effect of asymmetrical rolling and annealing the mechanical response of an 1050-o sheet. International Journal of Material Forming, 2009, 2, 891-894.	2.0	7
141	Stress integration method for a nonlinear kinematic/isotropic hardening model and its characterization based on polycrystal plasticity. International Journal of Plasticity, 2009, 25, 1684-1710.	8.8	52
142	A novel approach for anisotropic hardening modeling. Part I: Theory and its application to finite element analysis of deep drawing. International Journal of Plasticity, 2009, 25, 2383-2409.	8.8	60
143	Modeling of anisotropic plastic behavior of ferritic stainless steel sheet. International Journal of Mechanical Sciences, 2009, 51, 718-725.	6.7	18
144	Development of Ultrafine-Grained Aluminum Tubes Using Severe Plastic Deformation Process. Transactions of the Korean Society of Mechanical Engineers, A, 2009, 33, 1087-1090.	0.2	1

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145	On the use of homogeneous polynomials to develop anisotropic yield functions with applications to sheet forming. International Journal of Plasticity, 2008, 24, 915-944.	8.8	106
146	Analytical Approach to Predict Anisotropic Material Properties from Cup Drawings. International Journal of Material Forming, 2008, 1, 301-304.	2.0	6
147	Enhanced assumed strain (EAS) and assumed natural strain (ANS) methods for one-point quadrature solid-shell elements. International Journal for Numerical Methods in Engineering, 2008, 75, 156-187.	2.8	144
148	Investigation of microstructure characteristics of commercially pure aluminum during equal channel angular extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 485, 621-626.	5.6	22
149	Mechanical behavior of an asymmetrically rolled and annealed 1050-O sheet. International Journal of Mechanical Sciences, 2008, 50, 1372-1380.	6.7	37
150	On the existence of indeterminate solutions to the equations of motion under non-associated flow. International Journal of Plasticity, 2008, 24, 583-613.	8.8	47
151	Applications of a Recently Proposed Anisotropic Yield Function to Sheet Forming. , 2007, , 131-149.		8
152	On Using Homogeneous Polynomials To Design Anisotropic Yield Functions With Tension/Compression Symmetry/Assymetry. AIP Conference Proceedings, 2007, , .	0.4	3
153	Compressive Instability Phenomena During Springback. AIP Conference Proceedings, 2007, , .	0.4	0
154	Material Models to Study the Bauschinger Effect on an Aluminum Shear Test Specimen. AIP Conference Proceedings, 2007, , .	0.4	1
155	Earing Prediction in Cup Drawing Based on Non-Associated Flow Rule. AIP Conference Proceedings, 2007, , .	0.4	10
156	An overview of sheet metal forming simulations with enhanced assumed strain elements. AIP Conference Proceedings, 2007, , .	0.4	0
157	Convolute Cut-Edge Design for a Circular Cup Based on FEM and an Analytical Approach. AIP Conference Proceedings, 2007, , .	0.4	1
158	Enhanced one-point quadrature shell element for nonlinear applications. International Journal for Numerical Methods in Engineering, 2007, 69, 627-663.	2.8	20
159	On the use of a reduced enhanced solid-shell (RESS) element for sheet forming simulations. International Journal of Plasticity, 2007, 23, 490-515.	8.8	77
160	On linear transformations of stress tensors for the description of plastic anisotropy. International Journal of Plasticity, 2007, 23, 876-896.	8.8	201
161	One point quadrature shell elements: a study on convergence and patch tests. Computational Mechanics, 2007, 40, 871-883.	4.0	16
162	Review of Drucker's postulate and the issue of plastic stability in metal forming. International Journal of Plasticity, 2006, 22, 391-433.	8.8	82

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163	Prediction of six or eight ears in a drawn cup based on a new anisotropic yield function. International Journal of Plasticity, 2006, 22, 174-193.	8.8	270
164	Design optimization of extruded preform for hydroforming processes based on ideal forming design theory. International Journal of Mechanical Sciences, 2006, 48, 1416-1428.	6.7	10
165	Modeling of aluminum alloy sheets based on new anisotropic yield functions. Journal of Materials Processing Technology, 2006, 177, 134-137.	6.3	13
166	A new approach to reduce membrane and transverse shear locking for one-point quadrature shell elements: linear formulation. International Journal for Numerical Methods in Engineering, 2006, 66, 214-249.	2.8	46
167	A new one-point quadrature enhanced assumed strain (EAS) solid-shell element with multiple integration points along thickness—part II: nonlinear applications. International Journal for Numerical Methods in Engineering, 2006, 67, 160-188.	2.8	97
168	Convolute Cut-Edge Design with a New Anisotropic Yield Function for Earless Target Cup in a Circular Cup Drawing. Materials Science Forum, 2006, 505-507, 1297-1302.	0.3	0
169	Sheet metal formability analysis for anisotropic materials under non-proportional loading. International Journal of Mechanical Sciences, 2005, 47, 1972-2002.	6.7	81
170	Linear transformation-based anisotropic yield functions. International Journal of Plasticity, 2005, 21, 1009-1039.	8.8	824
171	One point quadrature shell element with through-thickness stretch. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 1161-1199.	6.6	44
172	A new one-point quadrature enhanced assumed strain (EAS) solid-shell element with multiple integration points along thickness: Part I-geometrically linear applications. International Journal for Numerical Methods in Engineering, 2005, 62, 952-977.	2.8	87
173	A Review of the Relationship Between Microstructural Features and the Stress-Strain Behavior of Metals. Materialwissenschaft Und Werkstofftechnik, 2005, 36, 572-577.	0.9	1
174	Anisotropic strain hardening behavior in simple shear for cube textured aluminum alloy sheets. International Journal of Plasticity, 2005, 21, 2426-2447.	8.8	85
175	One point quadrature shell elements for sheet metal forming analysis. Archives of Computational Methods in Engineering, 2005, 12, 3-66.	10.2	17
176	Development of a One-Point Quadrature EAS Solid-Shell Element for Sheet Forming. AIP Conference Proceedings, 2005, , .	0.4	0
177	Characterizations of Aluminum Alloy Sheet Materials Numisheet 2005. AIP Conference Proceedings, 2005, , .	0.4	10
178	Direct Design Method Based on Ideal Forming Theory for Hydroforming and Flanging Processes. AIP Conference Proceedings, 2005, , .	0.4	2
179	Convolute Cut-Edge Design for an Earless Cup in Cup Drawing. AIP Conference Proceedings, 2005, , .	0.4	1
180	One point quadrature shell element with through-thickness stretch. AIP Conference Proceedings, 2005, , .	0.4	1

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