

# Hiroshi Hamasaki

## List of Publications by Year in descending order

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51  
papers

695  
citations

840119

11  
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580395

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52  
all docs

52  
docs citations

52  
times ranked

448  
citing authors

#	ARTICLE	IF	CITATIONS
1	A user-friendly 3D yield function to describe anisotropy of steel sheets. International Journal of Plasticity, 2013, 45, 119-139.	4.1	171
2	Modeling of anisotropic hardening of sheet metals including description of the Bauschinger effect. International Journal of Plasticity, 2015, 75, 170-188.	4.1	106
3	Air bending and springback of stainless steel clad aluminum sheet. Journal of Materials Processing Technology, 2010, 210, 272-278.	3.1	97
4	Elimination of springback of high-strength steel sheet by using additional bending with counter punch. Journal of Materials Processing Technology, 2016, 229, 199-206.	3.1	48
5	Deformation-induced martensitic transformation behavior of type 304 stainless steel sheet in draw-bending process. Journal of Materials Processing Technology, 2015, 223, 34-38.	3.1	31
6	Yield-Point Phenomena of Ti-20V-4Al-1Sn at 1073 K and Its Constitutive Modelling. Materials Transactions, 2009, 50, 1576-1578.	0.4	29
7	Experimental Observation of Elasto-Plasticity Behavior of Type 5000 and 6000 Aluminum Alloy Sheets. Materials Transactions, 2011, 52, 868-875.	0.4	23
8	Determination of uniaxial large-strain workhardening of high-strength steel sheets from in-plane stretch-bending testing. Journal of Materials Processing Technology, 2017, 243, 152-169.	3.1	19
9	Effect of anisotropy evolution on circular and oval hole expansion behavior of high-strength steel sheets. International Journal of Mechanical Sciences, 2018, 146-147, 556-570.	3.6	19
10	Modelling of cyclic plasticity and martensitic transformation for type 304 austenitic stainless steel. International Journal of Mechanical Sciences, 2018, 146-147, 536-543.	3.6	17
11	A Novel Technology to Eliminate U-bending Springback of High Strength Steel Sheet by Using Additional Bending with Counter Punch. Procedia Engineering, 2014, 81, 957-962.	1.2	13
12	Deformation-induced Martensitic Transformation and Workhardening of Type 304 Stainless Steel Sheet During Draw-bending. Procedia Engineering, 2014, 81, 921-926.	1.2	12
13	Double-action bending for eliminating springback in hat-shaped bending of advanced high-strength steel sheet. International Journal of Advanced Manufacturing Technology, 2020, 106, 1855-1867.	1.5	12
14	Effects of temperature, forming speed and stress relaxation on springback in warm forming of high strength steel sheet. Procedia Engineering, 2017, 207, 2394-2398.	1.2	10
15	Elasto-viscoplastic behavior of 980MPa nano-precipitation strengthened steel sheet at elevated temperatures and springback in warm bending. International Journal of Mechanical Sciences, 2018, 146-147, 571-582.	3.6	10
16	Bauschinger Effect on Springback of Clad Sheet Metals in Draw Bending. Materials Transactions, 2010, 51, 1364-1366.	0.4	9
17	A Model of Anisotropy Evolution of Sheet Metals. Procedia Engineering, 2014, 81, 1216-1221.	1.2	7
18	Cyclic Stress-Strain Response and Martensitic Transformation Behavior for Type 304 Stainless Steel. Applied Mechanics and Materials, 0, 510, 114-117.	0.2	7

#	ARTICLE	IF	CITATIONS
19	Viscoplastic Parameter Identification for Lead-Free Solder Alloy by Micro-Indentation, FE Simulation and Optimization. Materials Transactions, 2008, 49, 532-537.	0.4	6
20	Bauschinger Effect During Unloading of Cold-rolled Copper Alloy Sheet and its Influence on Springback Deformation after U-bending. Procedia Engineering, 2014, 81, 969-974.	1.2	5
21	Elasto-Plasticity Behavior of Type 5000 and 6000 Aluminum Alloy Sheets and Its Constitutive Modeling. , 2010, , .		5
22	Plastic-Bending of Adhesively Bonded Dissimilar Sheet Metals. Key Engineering Materials, 2013, 535-536, 418-421.	0.4	4
23	Stiffness Improvement of Stamping Die by Means of Topology Optimization. Advanced Materials Research, 0, 939, 266-273.	0.3	4
24	Mechanical Behavior of 980MPa NANOHTEN <sup>TM</sup> at Elevated Temperatures and its Effect on Springback in Warm Forming. Key Engineering Materials, 2014, 611-612, 11-18.	0.4	4
25	Stress relaxation of AA5182-O aluminum alloy sheet at warm temperature. Procedia Engineering, 2017, 207, 2405-2410.	1.2	4
26	Effect of Material Anisotropies of Hot-Rolled High-Strength Steel Sheet on Localized Deformation Behavior in Hole Expansion - Part-I Experimental Consideration to Circular and Oval Hole. Key Engineering Materials, 0, 725, 592-597.	0.4	3
27	Identification of Viscoplastic Properties of Individual Phases in Lead-Free Solder Alloy by Depth-Sensing Microindentation. Materials Transactions, 2005, 46, 3073-3076.	0.4	2
28	Experimental observation of elasto-plasticity behavior of type 5000 and 6000 aluminum alloy sheets. Keikinokoku/Journal of Japan Institute of Light Metals, 2011, 61, 255-261.	0.1	2
29	A User-friendly 3D Yield Function for Steel Sheets and Its Application. , 2011, , .		2
30	Implicit Stress Integration and Consistent Tangent Matrix for Yoshida's 6th Order Polynomial Yield Function Combined with Yoshida-Uemori Kinematic Hardening Rule. Key Engineering Materials, 2015, 651-653, 558-563.	0.4	2
31	Effect of Stress Relaxation on Springback of Steel Sheet in Warm Forming. Key Engineering Materials, 0, 725, 671-676.	0.4	2
32	Reliable Tension Leveling Process Design Using Stochastic Optimization. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2009, 95, 740-746.	0.1	2
33	Experimental and Simulated Springback after Stamping of Copper-Based Spring Materials. , 2013, , .		1
34	Effect of Counter Punch Pressure on Springback of High Strength Steel Sheet. Advanced Materials Research, 0, 939, 305-312.	0.3	1
35	Springback of Copper Alloy Sheets after U-Bending. Applied Mechanics and Materials, 0, 510, 118-122.	0.2	1
36	Plastic-bending of Adhesively Bonded Dissimilar Sheet Metals. Journal of the Adhesion Society of Japan, 2014, 50, 4-11.	0.0	1

#	ARTICLE	IF	CITATIONS
37	Anisotropic yield function of aluminum alloy sheet for accurate press forming simulation. Keikinzoku/Journal of Japan Institute of Light Metals, 2015, 65, 536-541.	0.1	1
38	Determination of the Anisotropic Hardening of Sheet Metals at Large Strain from Stretch Bending Test. Key Engineering Materials, 0, 725, 677-682.	0.4	1
39	Effect of Material Anisotropies of Hot-Rolled High-Strength Steel Sheet on Localized Deformation Behavior in Hole Expansion - Part-II Simulation and Evaluation of Anisotropic Yield Function. Key Engineering Materials, 0, 725, 598-603.	0.4	1
40	Cyclic and Biaxial Deformation Behavior for Bake-hardenable Steel Sheet. Procedia Engineering, 2017, 207, 669-674.	1.2	1
41	Elasto-Plastic Property of High Strength Steel at Warm Temperature and its Springback. Key Engineering Materials, 0, 535-536, 385-388.	0.4	0
42	Modeling of Large-Strain Cyclic Plasticity Including Description of Anisotropy Evolution for Sheet Metals. Advanced Structured Materials, 2015, , 571-585.	0.3	0
43	Description of Closure of Cyclic Stress-Strain Loop and Ratcheting Based on Y-U Model. Key Engineering Materials, 0, 725, 351-356.	0.4	0
44	Equi-Plastic Work Locus of 5000 Series Aluminum Alloy Sheet at Warm Temperature. Key Engineering Materials, 0, 725, 695-699.	0.4	0
45	Determination of Mechanical Properties for Lead-Free Solders by means of Micro-Indentation Method. The Proceedings of Conference of Chugoku-Shikoku Branch, 2004, 2004.42, 67-68.	0.0	0
46	128 Springback analysis of Aluminum alloy sheet. The Proceedings of the Materials and Processing Conference, 2009, 2009.17, _128-1_-_128-2_.	0.0	0
47	107 Viscoplastic Behaviour of Acrylic Adhesive under Cyclic Torsion and Its Modeling. The Proceedings of Conference of Chugoku-Shikoku Branch, 2009, 2009.47, 13-14.	0.0	0
48	3401 Identification of Kinematic Hardening Parameters for Stainless Clad Aluminum Sheet. The Proceedings of Design & Systems Conference, 2012, 2012.22, _3401-1_-_3401-10_.	0.0	0
49	205 Springback of aluminum alloy sheet in warm draw bending. The Proceedings of Conference of Chugoku-Shikoku Branch, 2014, 2014.52, _205-1_-_205-2_.	0.0	0
50	203 High temperature deformation characteristic of $\hat{I}_1 + \hat{I}_2^2$ titanium alloy sheet. The Proceedings of Conference of Chugoku-Shikoku Branch, 2015, 2015.53, _203-1_-_203-2_.	0.0	0
51	IDENTIFICATION OF PARAMETERS FOR CHARACTERIZATION AT HIGH-TEMPERATURE OF 38MnVS6 STEEL USED IN HOT FORGING PROCESSES. Dyna (Spain), 2022, 97, 288-294.	0.1	0