

Tadanobu Inoue

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

160
papers

2,056
citations

25
h-index

39
g-index

180
ext. papers

2,308
ext. citations

2.4
avg, IF

5.12
L-index

#	Paper	IF	Citations
160	Preferable Resistance against Hydrogen Embrittlement of Pearlitic Steel Deformed by Caliber Rolling. <i>ISIJ International</i> , 2022 , 62, 368-376	1.7	0
159	Influence of Thermomechanical Treatment on Delayed Fracture Property of Mo-Bearing Medium-Carbon Steel. <i>ISIJ International</i> , 2022 , 62, 377-388	1.7	
158	True Stress-True Strain Relationship up to the Plastic Deformation Limit in Ferrite-Pearlite Steel at Various Temperatures. <i>ISIJ International</i> , 2022 , 62, 361-367	1.7	
157	Columnar Structure of Claw Denticles in the Coconut Crab, <i>Birgus latro</i> . <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 274	2.4	0
156	Growth analysis and population size estimation of coconut crabs based on a large recapture dataset. <i>Crustacean Research</i> , 2021 , 50, 145-150	0.4	1
155	Grain-to-Grain Interaction Effect in Polycrystalline Plain Low-Carbon Steel within Elastic Deformation Region. <i>Materials</i> , 2021 , 14,	3.5	1
154	Wrought-procedure memory in caliber rolled Mg-Y-Zn alloy containing LPSO phase. <i>Materials Characterization</i> , 2021 , 175, 111080	3.9	3
153	Upsizing high-strength fail-safe steel through warm tempforming. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 819, 141514	5.3	3
152	Effect of strain and deformation mode on cube texture formation in warm bi-axial rolled low-carbon steel. <i>Finite Elements in Analysis and Design</i> , 2021 , 183-184, 103491	2.2	0
151	Effect of Temperature on Stress-Strain Curve in SUS316L Metastable Austenitic Stainless Steel studied by In Situ Neutron Diffraction Experiments. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2021 , 107, 741-750	0.5	
150	Bainite Transformation and Resultant Tensile Properties of 0.6%C Low Alloyed Steels with Different Prior Austenite Grain Sizes. <i>ISIJ International</i> , 2021 , 61, 582-590	1.7	3
149	Effect of Temperature on Stress-Strain Curve in SUS316L Metastable Austenitic Stainless Steel Studied by In Situ Neutron Diffraction Experiments. <i>ISIJ International</i> , 2021 , 61, 632-640	1.7	2
148	Three-dimensional microstructure of robust claw of coconut crab, one of the largest terrestrial crustaceans. <i>Materials and Design</i> , 2021 , 206, 109765	8.1	3
147	Structural Changes and Mechanical Resistance of Claws and Denticles in Coconut Crabs of Different Sizes.. <i>Biology</i> , 2021 , 10,	4.9	1
146	In-Situ Observation of Lüders Band Formation in Hot-Rolled Steel via Digital Image Correlation. <i>Metals</i> , 2020 , 10, 530	2.3	5
145	Improvement of strength, toughness and ductility in ultrafine-grained low-carbon steel processed by warm bi-axial rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 786, 139415	5.3	13
144	Experimental measurement of the variables of Lüders deformation in hot-rolled steel via digital image correlation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 790, 139756	5.3	5

143	Mechanical Property of Ultrafine Elongated Grain Structure Steel Processed by Warm Tempforming and Its Application to Ultra-High-Strength Bolt. <i>ISIJ International</i> , 2020 , 60, 1108-1126	1.7	8
142	Heterogeneous Distribution of Microstrain Evolved During Tensile Deformation of Polycrystalline Plain Low Carbon Steel. <i>Metals</i> , 2020 , 10, 774	2.3	3
141	Through-Thickness Microstructure and Strain Distribution in Steel Sheets Rolled in a Large-Diameter Rolling Process. <i>Metals</i> , 2020 , 10, 91	2.3	2
140	Effect of Interface Morphology on Tensile Properties of Carbon Steel Sheet with Sandwich Structure. <i>Steel Research International</i> , 2019 , 90, 1900015	1.6	1
139	Mechanical Property of Ultrafine Elongated Grain Structure Steel Processed by Warm Tempforming and Its Application to Ultra-High-Strength Bolt. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2019 , 105, 127-145	0.5	2
138	Acceleration of diffusional transformation in a high-carbon steel layer composed of a sandwich-like clad steel sheet. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 764, 138217	5.3	2
137	Acceleration of pearlite transformation in a high-carbon steel by uniaxial compressive stress confirmed by volume measurements. <i>Materials Letters</i> , 2019 , 256, 126637	3.3	2
136	Improvement of toughness and strength balance in low-carbon steel bars with cube texture processed by warm bi-axial rolling. <i>Materials Letters</i> , 2019 , 240, 172-175	3.3	3
135	Delayed fracture properties of 1.8 GPa-class ultra-high strength fail-safe bolt. <i>Transactions of the JSME (in Japanese)</i> , 2018 , 84, 17-00493-17-00493	0.2	4
134	Excellent room temperature deformability in high strain rate regimes of magnesium alloy. <i>Scientific Reports</i> , 2018 , 8, 656	4.9	25
133	Improvement of strength, toughness and ductility properties in carbon steel. <i>Transactions of the JSME (in Japanese)</i> , 2018 , 84, 18-00237-18-00237	0.2	
132	Mechanical Stability of Retained Austenite in Multi-Pass Cr-Ni Weld Metal in an Over-Matching Welded Joint. <i>Materials Transactions</i> , 2018 , 59, 380-385	1.3	
131	Strength and Ductility at High-speed Tensile Deformation of Low-carbon Steel with Ultrafine Grains. <i>Materials Transactions</i> , 2017 , 58, 1487-1492	1.3	1
130	Warm tempforming effect on the hydrogen embrittlement of 1.8-GPa-class ultra-high-strength low-alloy steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 703, 503-512	5.3	14
129	Effect of twin boundary segregation on damping properties in magnesium alloy. <i>Scripta Materialia</i> , 2017 , 129, 35-38	5.6	40
128	Effect of specimen size on true stress-true strain relationship up to the plastic deformation limit in ultrafine-grained ferrite-cementite steels. <i>Transactions of the JSME (in Japanese)</i> , 2017 , 83, 16-00315-16-00315 ¹	0.2	1
127	Effect of Layer Construction on Tensile Deformation Behavior of Japanese-Sword-Type Steel Sheet. <i>Journal of the Japan Society for Technology of Plasticity</i> , 2017 , 58, 323-329	0.3	1
126	Development of Isotropic and Accordion-Like Deformable Magnesium Alloys. <i>Materials Transactions</i> , 2017 , 58, 1089-1092	1.3	10

125	Brittle Fracture Stress of Ultrafine-Grained Low-Carbon Steel. <i>Materials Transactions</i> , 2017 , 58, 1505-1508	3	7
124	Tensile Properties of Fail-Safe Bolt with an Ultrafine Elongated Grain Structure. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2017 , 2017, OS1622	0	
123	Evolution of strain field in an over-matching welded joint under tension estimated using digital image correlation. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2017 , 35, 154-159	0.7	
122	Toughening of Low-Alloy Steel by Ultrafine-Grained Structure (Development of Fracture Control from Microstructure Design) 2016 ,		2
121	Criterion of micro-crack initiation in 1800 MPa class fail-safe steel (Development of fracture control from microstructure design). <i>Transactions of the JSME (in Japanese)</i> , 2016 , 82, 16-00246-16-00246	0.2	4
120	Development of thin film and its property of magnesium alloy. <i>The Proceedings of the Materials and Processing Conference</i> , 2016 , 2016.24, 414	0	
119	Combined Effect of Ausforming and Warm Tempforming on the Strength and Toughness of An Ultra-High Strength Steel. <i>ISIJ International</i> , 2016 , 56, 2047-2056	1.7	7
118	Morphology, crystallography, and crack paths of tempered lath martensite in a medium-carbon low-alloy steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 669, 48-57	5.3	34
117	Effect of alloying elements on room temperature tensile ductility in magnesium alloys. <i>Philosophical Magazine</i> , 2016 , 96, 2671-2685	1.6	39
116	Mechanism of crack propagation in 1800 MPa class ultrahigh-strength steel by ultrafine-grained structure (Development of fracture control from microstructure design). <i>Transactions of the JSME (in Japanese)</i> , 2015 , 81, 15-00281-15-00281	0.2	8
115	Strength-toughness balance of low-alloy steel by fail-safe design. <i>Mechanical Engineering Letters</i> , 2015 , 1, 15-00358-15-00358	0.5	4
114	Influence of Prior-Austenite Grain Structure on the Mechanical Properties of Ultrafine Elongated Grain Structure Steel Processed by Warm Tempforming. <i>ISIJ International</i> , 2015 , 55, 1762-1771	1.7	10
113	Influence of Carbon Content on Toughening in Ultrafine Elongated Grain Structure Steels. <i>ISIJ International</i> , 2015 , 55, 1135-1144	1.7	18
112	Effect of deformation twin on toughness in magnesium binary alloys. <i>Philosophical Magazine</i> , 2015 , 95, 2513-2526	1.6	11
111	Crack propagation behaviour in magnesium binary alloys. <i>Philosophical Magazine</i> , 2014 , 94, 3317-3330	1.6	14
110	Band gap engineering of SrTiO ₃ for water splitting under visible light irradiation. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 12507-12514	6.7	58
109	Highly active SrTiO ₃ for visible light photocatalysis: A first-principles prediction. <i>Solid State Communications</i> , 2014 , 181, 5-8	1.6	18
108	Electronic structure calculations of I and Mn doped BiOCl with modified Becke-Johnson potential. <i>Computational Materials Science</i> , 2014 , 85, 138-141	3.2	16

107	Enhancement of toughness by grain boundary control in magnesium binary alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 612, 172-178	5.3	24
106	Investigation on the effects of native defects on electronic structure in MgB ₂ by first-principles calculation. <i>Computational Materials Science</i> , 2014 , 90, 153-156	3.2	
105	Influence of Carbon Content on Toughening in Ultrafine Elongated Grain Structure Steels. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2014 , 100, 1104-1113	0.5	5
104	OS0502 Strengthening and Toughening of Fail-safe Materials : 3 [^] Report, Anisotropic strength and toughness properties of a 1800 MPa class low-alloy steel. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2014 , 2014, _OS0502-1_ - _OS0502-3_	0	
103	Effect of initial notch orientation on fracture toughness in fail-safe steel. <i>Journal of Materials Science</i> , 2013 , 48, 4766-4772	4.3	18
102	Influence of Warm Tempforming on Microstructure and Mechanical Properties in an Ultrahigh-Strength Medium-Carbon Low-Alloy Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 560-576	2.3	35
101	Tempforming in medium-carbon low-alloy steel. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S538-S542	5.7	17
100	Finite element simulation of accumulative roll-bonding process. <i>Materials Letters</i> , 2013 , 106, 37-40	3.3	16
99	Microstructural evolution during dry wear test in magnesium and Mg ₂ X alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 561, 371-377	5.3	31
98	Effect of ferrite grain size on the estimated true stress-true strain relationship up to the plastic deformation limit in low carbon ferrite-ementite steels. <i>Journal of Materials Research</i> , 2013 , 28, 2171-2175	2.5	8
97	Effect of solute atoms on fracture toughness in dilute magnesium alloys. <i>Philosophical Magazine</i> , 2013 , 93, 4582-4592	1.6	27
96	Toughening of Low-Carbon Steel by Ultrafine-Grained Structure. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2013 , 79, 1226-1238		7
95	Estimation of Fracture Toughness of SiC Fiber and Statistical Analysis of Change in Fracture Strength Distribution with Notch Size. <i>Materials Transactions</i> , 2013 , 54, 1916-1924	1.3	0
94	Delaminating Crack Paths in Ultrafine, Elongated Ferritic Steel. <i>ISIJ International</i> , 2013 , 53, 2272-2274	1.7	5
93	OS0920 Strengthening and Toughening of Fail-safe Materials : 2 [^] Report, Strength - Impact toughness balance of a 1800 MPa class low-alloy steel. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2013 , 2013, _OS0920-1_ - _OS0920-3_	0	
92	Evolution of microstructure during caliber rolling of AZ31 alloy 2013 , 317-322		
91	Hydrogen Embrittlement of a 1500-MPa Tensile Strength Level Steel with an Ultrafine Elongated Grain Structure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 1670-1687	2.3	47
90	Shape effect of ultrafine-grained structure on static fracture toughness in low-alloy steel. <i>Science and Technology of Advanced Materials</i> , 2012 , 13, 035005	7.1	21

89	Fatigue Properties of an Ultrafine-Grained Steel Processed by Warm Tempforming. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2012 , 78, 923-927		3
88	Estimations of the True Stress and True Strain until Just before Fracture by the Stepwise Tensile Test and Bridgman Equation for Various Metals and Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2012 , 76, 579-586	0.4	1
87	Development of High Strength and Toughness Magnesium Alloy by Grain Boundary Control 2012 , 345-347		1
86	OS0109 Strengthening and Toughening of Fail-safe Materials : 1 [^] Report, Impact toughness of a 800 MPa class low-carbon steel. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2012 , 2012, _OS0109-1_ - _OS0109-3_	0	
85	Strengthening Mg-Al-Zn Alloy by Repetitive Oblique Shear Strain 2011 , 211-214		2
84	Static fracture toughness of fail-safe steel. <i>Scripta Materialia</i> , 2011 , 65, 552-555	5.6	20
83	Deformation Mechanism in the Crack-Tip Region of Fine-Grained Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 2475-2480	2.3	3
82	Strengthening Mg-Al-Zn Alloy by Repetitive Oblique Shear Strain 2011 , 211-214		
81	OS0614 Gigacycle Fatigue properties of an Ultrafine-Grained Steel Processed by Warm Tempforming. <i>The Proceedings of the Materials and Mechanics Conference</i> , 2011 , 2011, _OS0614-1_ - _OS0614-2_		0
80	OS19-3-4 Strengthening Mg-Al-Zn Alloys by Severe Plastic Rolling. <i>The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics</i> , 2011 , 2011.10, _OS19-3-4-	0	
79	Strain Variations on Rolling Condition in Accumulative Roll-Bonding by Finite Element Analysis 2010 ,		1
78	Yield stress of duplex stainless steel specimens estimated using a compound Hall-Petch equation. <i>Science and Technology of Advanced Materials</i> , 2010 , 11, 025004	7.1	10
77	Effect of Deformation Mode on Texture of Ultrafine-Grained Low Carbon Steel Processed by Warm Caliber Rolling. <i>Materials Science Forum</i> , 2010 , 638-642, 2793-2798	0.4	1
76	Optimum Pass Design of Bar Rolling for Producing Bulk Ultrafine-Grained Steel by Numerical Simulation. <i>Materials Science Forum</i> , 2010 , 654-656, 1561-1564	0.4	6
75	Prototyping of Ultrafine-Grained Steel Fabrication. <i>Materials and Manufacturing Processes</i> , 2010 , 25, 20-25	4.1	
74	Effect of Shear Strain on the Microstructural Evolution of a Low Carbon Steel during Warm Deformation. <i>Materials Transactions</i> , 2010 , 51, 27-35	1.3	7
73	Delamination Effect on Impact Properties of Ultrafine-Grained Low-Carbon Steel Processed by Warm Caliber Rolling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 341-355	2.3	113
72	Strengthening MgAlZn alloy by repetitive oblique shear strain with caliber roll. <i>Scripta Materialia</i> , 2010 , 62, 113-116	5.6	48

71	Enhancing Fracture Toughness of Magnesium Alloy by Formation of Low-Angle Grain Boundary Structure. <i>Advanced Engineering Materials</i> , 2010 , 12, 837-842	3.5	15
70	Deformation mechanism near crack-tip by finite element analysis and microstructure observation in magnesium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1761-1768	5.3	23
69	Delamination Toughening of Ultrafine Grain Structure Steels Processed through Tempforming at Elevated Temperatures. <i>ISIJ International</i> , 2010 , 50, 152-161	1.7	65
68	1104 Impact Properties of Low-Carbon Steel with Ultrafine Elongated Grain Structure. <i>The Proceedings of the Computational Mechanics Conference</i> , 2010 , 2010.23, 125-126	0	
67	Hardness Variation and Strain Distribution in Magnesium Alloy AZ31 Processed by Multi-pass Caliber Rolling. <i>Advanced Engineering Materials</i> , 2009 , 11, 654-658	3.5	29
66	Quantification of strain in accumulative roll-bonding under unlubricated condition by finite element analysis. <i>Computational Materials Science</i> , 2009 , 46, 261-266	3.2	30
65	Effect of Strain on Microstructural Evolution under Warm Deformation in an Ultra-Low Carbon Steel. <i>Materials Transactions</i> , 2009 , 50, 34-39	1.3	4
64	Distributions of Hardness and Strain during Compression in Pure Aluminum Processed with Equal-Channel Angular Pressing and Subsequent Annealing. <i>Materials Transactions</i> , 2009 , 50, 27-33	1.3	4
63	Texture and Strain Induced by a Steel Plate by Warm Cross Roll Rolling. <i>Journal of the Japan Society for Technology of Plasticity</i> , 2009 , 50, 227-231	0.3	1
62	1310 Optimum Pass Design of Bar Rolling for Producing Bulk Ultrafine-grained Steel by Numerical Simulation. <i>The Proceedings of Design & Systems Conference</i> , 2009 , 2009.19, 167-172	0	
61	Inverse temperature dependence of toughness in an ultrafine grain-structure steel. <i>Science</i> , 2008 , 320, 1057-60	33.3	268
60	Microstructure and Mechanical Properties Formed through Multidirectional Large Strain Caliber Rolling Using Oval Grooves and Square Grooves. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 571-580	0.4	8
59	Recrystallization and Grain Growth Behavior in Severe Cold-rolling Deformed SUS316L Steel under Anisothermal Annealing Condition. <i>ISIJ International</i> , 2008 , 48, 475-482	1.7	10
58	Tensile Test Specimens with a Circumferential Precrack for Evaluation of Interfacial Toughness of Thermal-Sprayed Coatings. <i>Journal of Thermal Spray Technology</i> , 2008 , 17, 228-233	2.5	14
57	Effect of initial grain sizes on hardness variation and strain distribution of pure aluminum severely deformed by compression tests. <i>Acta Materialia</i> , 2008 , 56, 6291-6303	8.4	41
56	Ultrafine-grained Steel Bars Fabricated Using Commercial Caliber-rolling. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2008 , 94, 164-172	0.5	13
55	157 Improvement in Impact Toughness of a 1800 MPa-Class Low-Alloy Steel through the Use of Delamination. <i>The Proceedings of the Computational Mechanics Conference</i> , 2008 , 2008.21, 700-701	0	
54	155 Prototyping of Ultrafine-grained Steel Plate by Numerical Simulation. <i>The Proceedings of the Computational Mechanics Conference</i> , 2008 , 2008.21, 696-697	0	

53	Analysis of Buckling and Interfacial Debonding of Galvannealed Coating Layer on Steel Substrates under Applied Tensile Strain. <i>ISIJ International</i> , 2007 , 47, 930-934	1.7	11
52	Effect of Shear Deformation on Deformed Microstructures of Austenitic Grains. <i>Materials Science Forum</i> , 2007 , 561-565, 881-884	0.4	3
51	Application of Local Approach to Hydrogen Embrittlement Fracture Evaluation of High Strength Steels. <i>Materials Science Forum</i> , 2007 , 539-543, 2155-2161	0.4	6
50	Crystallographic Texture of Warm Caliber-rolled Low Carbon Steel. <i>Materials Transactions</i> , 2007 , 48, 2028-2035, 24	0.3	3
49	Test Production of Ultrafine-grained Steel Plate Using Large-scale Forging Press. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2007 , 93, 693-702	0.5	7
48	Fracture Toughness of a Crystalline Silicon Carbide Fiber (Tyranno-SA3 \square). <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2571-2576	3.8	36
47	306 Effect of Shear Deformation on Microstructure Evolution of of Austenite Grain Interiors. <i>The Proceedings of the Materials and Processing Conference</i> , 2006 , 2006.14, 155-156	0	
46	Cube Texture Formed in Biaxially Rolled Low-Carbon Steel. <i>Materials Science Forum</i> , 2005 , 495-497, 387-392	0.4	3
45	A New Evaluation Method of Hydrogen Embrittlement Fracture for High Strength Steel by Local Approach. <i>ISIJ International</i> , 2005 , 45, 263-271	1.7	24
44	Distributions of Strain, Microstructure and Hardness in a Bar Steel with Ultrafine-Grained Structure through Groove Rolling. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2005 , 69, 943-952	0.4	13
43	Effect of Shear Deformation on Microstructural Evolution of Ni-30Fe Alloy during Hot Deformation. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2005 , 69, 341-347	0.4	1
42	Novel Rod Rolling Process for Designing Efficiently Ultrafine-Grained Steel Bars Based on Numerical Analysis. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2005 , 69, 934-942	0.4	7
41	9008 Microstructure Evolution of Austenite Grain Interiors by Shear-Added Deformation. <i>The Proceedings of the Computational Mechanics Conference</i> , 2005 , 2005.18, 781-782	0	
40	9010 Determination of plastic working limit by circumferentially notched tension test. <i>The Proceedings of the Computational Mechanics Conference</i> , 2005 , 2005.18, 785-786	0	
39	The Neck Growth Model in a Smooth Round Tension and a Circumferentially Notched Tension. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2005 , 91, 769-774	0.5	3
38	Fiber texture and substructural features in the caliber-rolled low-carbon steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004 , 35, 665-677	2.3	29
37	Effect of Shear Deformation on Microstructural Evolution of Ni-30Fe Alloy during Hot Deformation. <i>Materials Transactions</i> , 2004 , 45, 2966-2973	1.3	12
36	Effect of Initial Grain Orientation on Evolution of Deformed Microstructure in Hot Compressed Ni-30Fe Alloy. <i>Materials Transactions</i> , 2004 , 45, 2960-2965	1.3	10

35	Evaluation of Hydrogen Embrittlement Susceptibility of High Strength Steel Based on Local Approach. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2004 , 22, 125-131	0.7	6
34	Characteristics of Steel Plates Rolled with Shear Deformation. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2003 , 89, 281-288	0.5	7
33	?????????????. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2003 , 52, 1107-1115	0.1	7
32	Development of Ultrafine-Grained Structure through Large Strain-High Z Deformation in a Low Carbon Steel. <i>The Reference Collection of Annual Meeting</i> , 2003 , VIII.03.1, 235-236		
31	A New Evaluation Method of the Adhesive Strength of Thermal Sprayed Coatings with Interfacial Crack. <i>The Proceedings of the JSME Annual Meeting</i> , 2003 , 2003.6, 113-114		
30	Fracture Criterion of Single Fiber-Composite under Thermal and Tensile Loadings Based on Energy Release Rate. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2003 , 52, 815-820	0.1	
29	Serration of Grain Boundary in Ni-300Fe Alloy through High Temperature Deformation.. <i>ISIJ International</i> , 2002 , 42, 1026-1032	1.7	11
28	Effect of shear deformation on refinement of crystal grains. <i>Materials Science and Technology</i> , 2002 , 18, 1007-1015	1.5	26
27	Ultrafine Grain Structure through Dynamic Recrystallization for Type 304 Stainless Steel.. <i>ISIJ International</i> , 2002 , 42, 744-750	1.7	70
26	Dynamic Restoration Process of Ni-30Fe Alloy during Hot Deformation.. <i>ISIJ International</i> , 2002 , 42, 432-439	1.7	19
25	Timesaving Numerical Method of Evaluating Strength of Wide Plate Weld Joints. Numerical Evaluation of Mechanical Properties of Wide Plate Weld Joints. (1).. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2002 , 20, 539-545	0.7	
24	Formation of uniformly fine grained ferrite structure through multidirectional deformation. <i>Materials Science and Technology</i> , 2001 , 17, 1329-1338	1.5	43
23	Determination Method of Weibull Shape Parameter for Evaluation of the Hydrogen Embrittlement Susceptibility of High Strength Steel. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2001 , 65, 1082-1090	0.4	8
22	Effect of plastic strain on grain size of ferrite transformed from deformed austenite in Si-Mn steel. <i>Materials Science and Technology</i> , 2001 , 17, 1580-1588	1.5	27
21	Evaluation of Hydrogen Embrittlement Susceptibility of High Strength Steel by the Weibull Stress. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2001 , 65, 1073-1081	0.4	15
20	150 Numerical analysis of deformation behavior for weld plate joints. <i>The Proceedings of the Computational Mechanics Conference</i> , 2001 , 2001.14, 99-100	0	
19	108 Effect of Shear Deformation on Development of Fine-grained Ferrite Structures. <i>The Proceedings of the Computational Mechanics Conference</i> , 2001 , 2001.14, 15-16	0	
18	Parameters for the Evaluation of Hydrogen Embrittlement of High Strength Steel. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2000 , 86, 689-696	0.5	54

17	Numerical Analysis of Plastic Strain Distribution through Multi-directional Deformation. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2000 , 86, 793-800	0.5	16
16	Uniform Formation of Fine Grained Ferrite Structure through Multi-directional Deformation. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2000 , 86, 801-806	0.5	30
15	Shear-lag simulation of the progress of interfacial debonding in unidirectional composites. <i>Composites Science and Technology</i> , 1999 , 59, 77-88	8.6	21
14	Disappearance Conditions of Thermal Stress Singularities Based on Stress Intensity in Two and Three-Phase Bonded Structures. <i>International Journal of Fracture</i> , 1999 , 96, 179-201	2.3	1
13	Conditions of Compressive Residual Stress at the Interface Edge of Dissimilar Materials.. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 1999 , 17, 120-129	0.7	1
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11	Influences of residual stresses, frictional shear stress at debonded interface and interactions among broken components on interfacial debonding in unidirectional multi-filamentary composites. <i>Composite Interfaces</i> , 1997 , 5, 363-381	2.3	17
10	Relaxation of thermal stresses in dissimilar materials (approach based on stress intensity). <i>International Journal of Solids and Structures</i> , 1997 , 34, 3215-3233	3.1	10
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