

# Takayuki Takasugi

## 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.

346 papers	6,308 citations	44 h-index	63 g-index
352 ext. papers	6,650 ext. citations	3.3 avg, IF	5.62 L-index

#	Paper	IF	Citations
346	Suppression of Discontinuous Precipitation in Cu-Ti Alloys by Aging in a Hydrogen Atmosphere. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2020</b> , 51, 3704-3712	2.3	4
345	Effects of Iron Addition on the Microstructures and Mechanical Properties of Two-Phase Ni3Al-Ni3V Intermetallic Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2020</b> , 51, 2469-2479	2.3	3
344	Unidirectional Crystal Orientation of Dual-Phase Ni3Al-Based Alloy via Laser Irradiation. <i>Metals</i> , <b>2020</b> , 10, 1011	2.3	
343	Age-Induced Precipitation and Hardening Behavior of Ni3Al Intermetallic Alloys Containing Vanadium. <i>Metals</i> , <b>2019</b> , 9, 160	2.3	3
342	Effect of transition metal addition on microstructure and hardening behavior of two-phase Ni3Al-Ni3V intermetallic alloys. <i>Materialia</i> , <b>2019</b> , 5, 100173	3.2	5
341	Effect of Ta addition on microstructure and mechanical properties of dual two-phase Ni3Al-Ni3V intermetallic alloy. <i>MRS Advances</i> , <b>2019</b> , 4, 1509-1514	0.7	1
340	Microstructures and tensile properties of off-stoichiometric Ni3Al-Ni3V pseudo-binary alloys. <i>Journal of Materials Research</i> , <b>2019</b> , 34, 3061-3070	2.5	2
339	Effect of Ta addition on microstructure and mechanical properties of dual two-phase Ni3Al-Ni3V intermetallic alloy [CORRIGENDUM]. <i>MRS Advances</i> , <b>2019</b> , 4, e1-e1	0.7	
338	Effect of Composition on the Strength and Electrical Conductivity of Cu-Ti Binary Alloy Wires Fabricated by Aging and Intense Drawing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2019</b> , 50, 1389-1396	2.3	10
337	Thermal conductivity of Ni3(Si,Ti) single-phase alloys. <i>Intermetallics</i> , <b>2018</b> , 92, 119-125	3.5	4
336	Effects of Tungsten Addition and Isothermal Annealing on Microstructural Evolution and Hardening Behavior of Two-Phase Ni3Al-Ni3V Intermetallic Alloys. <i>Materials Transactions</i> , <b>2018</b> , 59, 204-213	1.3	3
335	Microstructure and Properties of Laser Clad Ni-Base Intermetallic Alloys Reinforced with Carbide Particles. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2018</b> , 82, 451-460	0.4	1
334	High Strength and High Electrical Conductivity Cu-Ti Alloy Wires Fabricated by Aging and Severe Drawing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2018</b> , 49, 4956-4965	2.3	12
333	Microstructural Subsequence and Phase Equilibria in an Age-Hardenable Cu-Ni-Si Alloy. <i>Materials Transactions</i> , <b>2018</b> , 59, 182-187	1.3	4
332	Kinetics and Equilibrium of Age-Induced Precipitation in Cu-4 At. Pct Ti Binary Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2017</b> , 48, 1501-1511	2.3	15
331	Microstructures and hardness properties of laser clad Ni base two-phase intermetallic alloy coating. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 4531-4540	2.5	5
330	Processing parameter, microstructure and hardness of Ni base intermetallic alloy coating fabricated by laser cladding. <i>MRS Advances</i> , <b>2017</b> , 2, 1381-1386	0.7	2

329	Grain Boundary Character Dependence on Nucleation of Discontinuous Precipitates in Cu-Ti Alloys. <i>Materials</i> , <b>2017</b> , 10,	3.5	14
328	Microstructure and mechanical properties of dual two-phase Ni3Al-Ni3V intermetallic alloys charged with carbon. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 1711-1722	2.5	
327	Fine Precipitation in the Channel Region of Two-Phase Ni3Al and Ni3V Intermetallic Alloys Containing Mo and W. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 998-1008	2.3	10
326	Discontinuous precipitates in age-hardening CuNiSi alloys. <i>Materials Characterization</i> , <b>2016</b> , 115, 39-45	3.9	40
325	Effect of Si Addition on Microstructure and Mechanical Properties of Dual Two-Phase Ni3Al and Ni3V Intermetallic Alloys. <i>Materials Transactions</i> , <b>2016</b> , 57, 631-638	1.3	1
324	The environment-induced cracking of as-cold rolled Ni3(Si,Ti) and Ni3(Si,Ti) with 2Mo in sodium chloride solutions. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 639, 504-510	5.7	1
323	Anomalous hardening and microstructural evolution accompanied by reordering and restoring of plastically deformed Co3Ti. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 620, 411-419	5.3	
322	Effect of Boron Doping on Cellular Discontinuous Precipitation for Age-Hardenable CuTi Alloys. <i>Materials</i> , <b>2015</b> , 8, 3467-3478	3.5	17
321	Effect of Si Addition on Microstructure and Mechanical Properties of Dual Two-Phase Intermetallic Alloys Based on the Ni3Al-Ni3V Pseudo-Binary Alloy System. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1760, 19		1
320	Effect of W addition on microstructure and mechanical properties of Ni base dual two-phase intermetallic alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1760, 181		
319	Microstructural stability and age-hardening behavior of Re-added dual two-phase Ni3Al and Ni3V intermetallic alloys. <i>Philosophical Magazine</i> , <b>2015</b> , 95, 3859-3875	1.6	7
318	Surface hardening of age-hardenable CuTi alloy by plasma carburization. <i>Surface and Coatings Technology</i> , <b>2015</b> , 283, 262-267	4.4	10
317	Thermal conductivity of Ni3V-Ni3Al pseudo-binary alloys. <i>Intermetallics</i> , <b>2015</b> , 59, 1-7	3.5	5
316	Investigation of Precipitation Behavior in Age-Hardenable Cu-Ti Alloys by an Extraction-Based Approach. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2014</b> , 45, 3401-3411	2.3	21
315	V content reduced dual two-phase Ni3Al-Ni3V intermetallic alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 596, 207-215	5.3	4
314	Anomalous hardening behavior accompanied by reordering of plastically deformed Ni3(Si,Ti) intermetallic alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 610, 228-236	5.3	2
313	High Temperature Compression Properties of Ni3(Si,Ti) Based Intermetallic Compounds. <i>Materials Science Forum</i> , <b>2014</b> , 783-786, 1129-1135	0.4	
312	Effect of Ta substitution method on the mechanical properties of Ni3(Si,Ti) intermetallic alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 588, 228-238	5.3	5

311	Friction stir welding in stainless steel sheet of type 430 using Ni-based dual two-phase intermetallic alloy tool. <i>Welding International</i> , <b>2013</b> , 27, 929-935	0.1	5
310	Evaluation of the wear properties of dual two-phase Ni3Al/Ni3V intermetallic alloys. <i>Tribology International</i> , <b>2013</b> , 66, 234-240	4.9	7
309	Extraction of precipitates from age-hardenable CuTi alloys. <i>Materials Characterization</i> , <b>2013</b> , 82, 23-31	3.9	27
308	The effect of stoichiometry on the microstructural evolution during ordering of Ni3V. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 588, 239-249	5.3	6
307	Fabrication of high-strength and high-conductivity CuTi alloy wire by aging in a hydrogen atmosphere. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, S397-S400	5.7	35
306	Effect of Re addition on microstructure and mechanical properties of Ni base dual-two phase intermetallic alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1516, 133-138		2
305	Friction stir welding of 430 stainless steel and pure titanium using Ni3Al-Ni3V dual two-phase intermetallic alloy tool <b>2013</b> , 465-471		0
304	Characterization of Ni3(Si,Ti) intermetallic alloys synthesized by powder metallurgical method. <i>Materials Research Society Symposia Proceedings</i> , <b>2013</b> , 1516, 121-126		0
303	Aging effect on microstructure and hardness of two-phase Ni3Al/Ni3V intermetallic alloys containing Ta and Re. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 539, 30-37	5.3	16
302	The effects of alloying elements (Ta, Hf) on the thermodynamic stability of $\gamma$ -Co3(Al,W) phase. <i>Intermetallics</i> , <b>2012</b> , 31, 94-98	3.5	56
301	TEM observation of the channel regions in a two-phase intermetallic alloy based on Ni3Al/Ni3V pseudo-binary alloy system. <i>Intermetallics</i> , <b>2012</b> , 21, 80-87	3.5	15
300	Alloying effects on the phase equilibria among Ni(A1), Ni3Al(L12) and Ni3V(D022) phases. <i>Intermetallics</i> , <b>2012</b> , 23, 68-75	3.5	20
299	Pitting corrosion of intermetallic compound Ni3(Si,Ti) with 2 at% Mo in sodium chloride solutions. <i>Corrosion Science</i> , <b>2012</b> , 55, 140-144	6.8	2
298	The corrosion behavior of Ni3(Si,Ti) intermetallic compounds with Al, Cr, and Mo in various acidic solutions. <i>Corrosion Science</i> , <b>2012</b> , 60, 10-17	6.8	10
297	The Corrosion Behavior of Ni3Al/Ni3V Two-Phase Intermetallic Compounds in Various Acidic Solutions. <i>International Journal of Corrosion</i> , <b>2012</b> , 2012, 1-6	2	1
296	Catalytic Properties of Ni3Fe Foil for Hydrogen Production from Methanol. <i>Materials Science Forum</i> , <b>2012</b> , 706-709, 1052-1057	0.4	4
295	Alloy design for reducing V content of dual two-phase Ni3Al-Ni3V intermetallic alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1516, 127-132		
294	Deformation Microstructures of Two-Phase Intermetallic Alloy Composed of Ni3Al and Ni3V in Single Crystalline Form. <i>Materials Science Forum</i> , <b>2012</b> , 706-709, 1077-1082	0.4	4

293	Pitting corrosion of intermetallic compound Ni <sub>3</sub> (Si,Ti) in sodium chloride solutions. <i>Corrosion Science</i> , <b>2011</b> , 53, 2514-2517	6.8	3
292	Phase equilibria in the Co-rich Co-Al-W-Ti quaternary system. <i>Intermetallics</i> , <b>2011</b> , 19, 1908-1912	3.5	55
291	Alloying Behavior of Ni <sub>3</sub> M-Type Compounds with D0 <sub>a</sub> Structure. <i>Materials Transactions</i> , <b>2011</b> , 52, 663-671	13	15
290	Alloying Behavior of Quaternary Elements in Ni <sub>3</sub> (Si,Ti). <i>Materials Transactions</i> , <b>2011</b> , 52, 1569-1574	1.3	4
289	Synthesis of Dual Two-Phase Ni <sub>3</sub> Al-Ni <sub>3</sub> V Intermetallic Alloys Containing Nb by Pulse Current Sintering. <i>Materials Transactions</i> , <b>2011</b> , 52, 2205-2210	1.3	3
288	Effect of C addition on mechanical properties of dual two-phase Ni <sub>3</sub> Al-Ni <sub>3</sub> V intermetallic alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 530, 481-491	5.3	2
287	Alloy design for Al addition on microstructure and mechanical properties of Ni <sub>3</sub> (Si,Ti) alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2011</b> , 528, 4104-4110	5.3	4
286	The corrosion behavior of intermetallic compounds Ni <sub>3</sub> (Si,Ti) and Ni <sub>3</sub> (Si,Ti)+2Mo in acidic solutions. <i>Applied Surface Science</i> , <b>2011</b> , 257, 8268-8274	6.7	8
285	Strengthening by Addition of Refractory Elements to Ni <sub>3</sub> (Si,Ti) Intermetallic Alloys. <i>Advanced Materials Research</i> , <b>2011</b> , 409, 315-320	0.5	1
284	Substitution Behavior of Ni <sub>3</sub> X-type Compounds with D0 <sub>a</sub> Structure. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 243		1
283	Alloying Effects on the Stability of $\gamma$ Microstructure in Co-Al-W Base Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 225		1
282	Effect of The Refractory Element Additions on Microstructure and Mechanical Property of Two-phase Intermetallic Alloys Based on The Ni <sub>3</sub> Al-Ni <sub>3</sub> V Pseudo-binary Alloy System. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 231		1
281	Alloying Effect of Ta on Microstructure and Mechanical Properties of Ni <sub>3</sub> (Si, Ti) Intermetallic Alloy. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 219		2
280	The Effect of Nb Addition on Phase Equilibria in the Ni-Rich Ni-Al-V Ternary System. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 249		
279	The Formation of A2/L21 Microstructure in Fe-Al-Ti-Cr Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 165		
278	Ductilization of a Ni <sub>3</sub> (Si,Ti) Intermetallic Alloy by Addition of Interstitial Type Elements. <i>Advanced Materials Research</i> , <b>2011</b> , 409, 321-326	0.5	0
277	Effect of Microstructure on Cold Workability of Ni <sub>3</sub> Si base Multi-Phase Intermetallic Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 237		
276	The Effect of Fine M <sub>2</sub> C (M: Mo, Cr, Fe) Particles on the Recrystallization Temperature and High Temperature Strength of Warm Rolled Fe <sub>3</sub> Al Based Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 65		

275	Microstructure Analysis of The Channel Regions in Dual Two-phase Intermetallic Alloy Based on The Ni3Al-Ni3V Pseudo-binary Alloy System. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 417		
274	Alloying effect on microstructure and mechanical properties of thermomechanically processed Ni3(Si,Ti) alloys. <i>International Journal of Materials Research</i> , <b>2011</b> , 102, 1-7	0.5	15
273	The Effect of Grain-Boundary and Matrix Precipitates on High Temperature Strength in Fe3Al Based Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1295, 159		
272	Texture and Mechanical Properties of AZ31 Magnesium Alloy Sheets Processed by Symmetric/Asymmetric Combination Hot-Rolling. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 719-722	0.4	3
271	Microstructure and High Temperature Strength in Fe3Al Base Alloys Containing Fine Carbide Particles. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 476-479	0.4	1
270	The Effect of Ti Addition on Phase Equilibria among Ni (A1), Ni3Al (L12) and Ni3V (D022) Phases. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 432-435	0.4	2
269	The Stability of $\gamma$ -Co3(Al,W) Phase in Co-Al-W Ternary System. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 448-451	0.4	45
268	Alloying Behavior of Ni3Nb, Ni3V and Ni3Ti Compounds. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 440-443	0.4	4
267	Microstructure and Mechanical Properties of Al Added Ni3(Si,Ti) Intermetallic Thin Sheets. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 480-483	0.4	
266	The Effect of Refractory Elements on Microstructure and Mechanical Properties of Ni3(Si,Ti) Intermetallic Alloys. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 472-475	0.4	5
265	The Effect of Alloying Elements on Microstructure and Strength Property of Dual Two-Phase Intermetallic Alloys Based on Ni3Al-Ni3V Pseudo-Binary Alloy System. <i>Materials Science Forum</i> , <b>2010</b> , 654-656, 452-455	0.4	
264	Effect of TiC addition on mechanical properties of dual two-phase Ni3Al-Ni3V intermetallic alloy. <i>Intermetallics</i> , <b>2010</b> , 18, 1623-1631	3.5	7
263	Alloying behavior of Ni3M-type GCP compounds. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, 116-121	5.7	15
262	Alloying Behavior of Ni3Nb. <i>Materials Transactions</i> , <b>2010</b> , 51, 72-77	1.3	8
261	Catalytic Properties of Cold-Rolled Ni3(Si,Ti) Intermetallic Foils for Methanol Decomposition. <i>Materials Transactions</i> , <b>2010</b> , 51, 1002-1010	1.3	6
260	Effect of Nb and Ti Addition on Microstructure and Hardness of Dual Two-Phase Intermetallic Alloys Based on Ni3Al-Ni3V Pseudo-Binary Alloy System. <i>Materials Transactions</i> , <b>2010</b> , 51, 1395-1403	1.3	20
259	Effect of NbC addition on mechanical properties of dual two-phase Ni3Al-Ni3V intermetallic alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2010</b> , 527, 6012-6019	5.3	12
258	Mapping of 475 °C embrittlement in ferritic Fe-Ti-Al alloys. <i>Scripta Materialia</i> , <b>2010</b> , 63, 1104-1107	5.6	89



257	Friction Stir Welding in Stainless Steel Sheet of Type 430 using Ni-base Dual Two-phase Intermetallic Alloy Tool. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , <b>2010</b> , 28, 116-122	0.7	7
256	The Effect of Ti Addition on Phase Equilibria among Ni (A1), Ni3Al (L12) and Ni3V (D022) Phases. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , <b>2010</b> , 96, 386-391	0.5	1
255	Effect of combined plasma-carburizing and deep-rolling on notch fatigue property of Ti-6Al-4V alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 499, 482-488	5.3	28
254	Effects of combined plasma-carburizing and shot-peening on fatigue and wear properties of Ti3Al2V alloy. <i>Surface and Coatings Technology</i> , <b>2009</b> , 203, 1400-1405	4.4	89
253	Plasma-assisted surface hardening of dual two-phase intermetallic alloy composed of Ni3X type structures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 516, 84-89	5.3	7
252	Microstructural factors affecting hardness property of dual two-phase intermetallic alloys based on Ni3Al-Ni3V pseudo-binary alloy system. <i>Intermetallics</i> , <b>2009</b> , 17, 938-944	3.5	48
251	Determination of phase equilibria in the Co-rich Co-Al-W ternary system with a diffusion-couple technique. <i>Intermetallics</i> , <b>2009</b> , 17, 1085-1089	3.5	140
250	Tensile properties of recrystallized B2 CoZr intermetallic alloys. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 456, 125-134	5.7	27
249	Grain Refinement for Strengthening in Fe3Al-based Alloys through Thermomechanical Processing. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1128, 20301		1
248	Alloying Effect on Mechanical Properties and Oxidation Resistance of Cold-Rolled Ni3(Si,Ti) Foils. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1128, 53101		2
247	The Effect of Annealing Temperature on Tensile Properties in a Fine-grained Fe3Al-based Alloy Containing Fe3AlC Carbide Particles. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1128, 51101		
246	Plasma-Assisted Surface Modification of Two-Phase Intermetallic Alloy Composed of Ni3X Type Structures. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1128, 53201		
245	Tensile properties of L12 intermetallic foils fabricated by cold rolling. <i>International Journal of Materials Research</i> , <b>2008</b> , 99, 1229-1236	0.5	19
244	Effect of testing atmosphere on cyclic tensile deformation of TiAl-based intermetallic alloys. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , <b>2008</b> , 58, 428-432	0.3	
243	Evaluation of surface-modified Ti3Al2V alloy by combination of plasma-carburizing and deep-rolling. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 488, 139-145	5.3	64
242	Microstructural evolution and mechanical property in dual two-phase intermetallic alloys composed of geometrically close-packed Ni3 X (X: Al and V) containing Nb. <i>Journal of Materials Science</i> , <b>2008</b> , 43, 748-758	4.3	36
241	Microstructure and mechanical property in dual two-phase intermetallic alloys composed of geometrically close-packed Ni3X (X: Al and V) containing Nb. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 473, 180-188	5.3	34
240	The effect of second-phase dispersions on mechanical property of Ni3Si based multi-phase intermetallic alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2008</b> , 476, 112-119	5.3	15

239	Effect of Zr Addition on Tensile Property of Fe-Al Based Alloys at Room Temperature. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , <b>2008</b> , 94, 148-154	0.5	
238	Texture Evolution during Diffusional Heat Treatment from Roll-Bonded Ti/Ni Laminates to TiNi Shape Memory Alloy Sheets. <i>Materials Science Forum</i> , <b>2007</b> , 539-543, 3442-3447	0.4	1
237	Strengthening and Ductilization of D03-Type Fe <sub>3</sub> Al Intermetallic Alloys by Dispersion of Laves Phases Fe <sub>2</sub> Zr and Fe <sub>2</sub> Nb. <i>Materials Science Forum</i> , <b>2007</b> , 561-565, 395-398	0.4	2
236	Development of Multi-Phase Intermetallic Alloy Composed of Ni <sub>3</sub> X-Type Structures. <i>Solid State Phenomena</i> , <b>2007</b> , 127, 161-166	0.4	
235	The Effects of Nb and Cr Addition on Mechanical and Chemical Properties of Cold-Rolled Ni <sub>3</sub> (Si,Ti) Intermetallic Foils. <i>Materials Science Forum</i> , <b>2007</b> , 561-565, 411-414	0.4	6
234	Mechanical Properties of Zr-Added Fe-Al Intermetallic Alloys Containing Large Second Phase Particles. <i>Materials Science Forum</i> , <b>2007</b> , 561-565, 399-402	0.4	3
233	Texture Control for Improving Deep Drawability in Rolled and Annealed Aluminum Alloy Sheets. <i>Materials Transactions</i> , <b>2007</b> , 48, 2014-2022	1.3	69
232	The Effect of Zr and Nb Addition on Tensile Property of Fe <sub>3</sub> Al-based Intermetallic Alloys. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , <b>2007</b> , 93, 400-408	0.5	4
231	Mechanical properties of dual multi-phase single-crystal intermetallic alloy composed of geometrically close packed Ni <sub>3</sub> X (X: Al and V) type structures. <i>Intermetallics</i> , <b>2007</b> , 15, 119-127	3.5	56
230	Microstructural evolution of dual multi-phase intermetallic alloys composed of geometrically close packed Ni <sub>3</sub> X (X: Al and V) type structures. <i>Intermetallics</i> , <b>2007</b> , 15, 338-348	3.5	49
229	Grain refinement of a Fe <sub>3</sub> Al-based alloy using Fe <sub>3</sub> AlC precipitate particles stimulating nucleation of recrystallization. <i>Intermetallics</i> , <b>2007</b> , 15, 1659-1665	3.5	12
228	X-ray and Nanoindentation Analyses on Plastic Deformation of Galvannealed Coating. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , <b>2007</b> , 93, 33-38	0.5	2
227	High-temperature environmental embrittlement of thermomechanically processed TiAl-based intermetallic alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2006</b> , 37, 361-369	2.3	2
226	Room Temperature Ductility of B2-Type CoZr Intermetallic Compounds. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 980, 11		1
225	Microstructural Evolution of Dual Multi-Phase Intermetallic Alloys Composed of GCP Ni <sub>3</sub> Al and Ni <sub>3</sub> V Phases Containing Ti. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 980, 21		
224	Microstructure and Mechanical Properties of Multi-Phase Intermetallic Alloys Composed of GCP Ni <sub>3</sub> X (X:Si, Ti and Nb) Phases. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 980, 32		
223	Microstructure and Mechanical Properties of Dual Two-Phase Intermetallic Alloys Composed of GCP Ni <sub>3</sub> Al and Ni <sub>3</sub> V Phases containing Nb. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 980, 27		
222	Development of Dual Multi-Phase Intermetallic Alloys Composed of Geometrically Close Packed Ni <sub>3</sub> X(X:Al and V) Structures. <i>Materials Research Society Symposia Proceedings</i> , <b>2006</b> , 980, 2		



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220	Phase field and room-temperature mechanical properties of C15 Laves phase in Nb <sub>5</sub> Fe <sub>3</sub> Cr and Nb <sub>5</sub> Ta <sub>3</sub> Cr alloy systems. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 424, 283-288	5.7	25
219	Phase relation and microstructure in multi-phase intermetallic alloys based on Ni <sub>3</sub> Al-Ni <sub>3</sub> Nb-Ni <sub>3</sub> V pseudo-ternary alloy system. <i>Intermetallics</i> , <b>2006</b> , 14, 170-179	3.5	46
218	Further investigation on phase relation and microstructures in Ni <sub>3</sub> Si-Ni <sub>3</sub> Ti-Ni <sub>3</sub> Nb pseudo-ternary alloy system. <i>Intermetallics</i> , <b>2006</b> , 14, 367-376	3.5	15
217	Cold Rolling Texture of Ni-Based L12 Ordered Intermetallic Alloys. <i>Materials Transactions</i> , <b>2006</b> , 47, 1485-1491	5.3	16
216	Dual multi-phase intermetallic alloys composed of geometrically close-packed Ni <sub>3</sub> X (X: Al, Ti and V) type structures II. Microstructures and their stability. <i>Acta Materialia</i> , <b>2006</b> , 54, 851-860	8.4	78
215	Dual multi-phase intermetallic alloys composed of geometrically close packed Ni <sub>3</sub> X (X: Al, Ti and V) type structures III. Mechanical properties. <i>Acta Materialia</i> , <b>2006</b> , 54, 861-870	8.4	67
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212	Low- and high-temperature environmental embrittlement of TiAl-based intermetallic alloys. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , <b>2005</b> , 55, 405-411	0.3	2
211	Room-temperature tensile property and fracture behavior of recrystallized B2-type CoZr intermetallic compound. <i>Scripta Materialia</i> , <b>2005</b> , 52, 39-44	5.6	32
210	Effects of stacking fault energy and ordering energy on grain boundary character distribution of recrystallized L12-type ordered alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 393, 71-79	5.3	6
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208	Phase field and room-temperature mechanical properties of the C15 laves phase in the Zr-Ta-Cr alloy system. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2005</b> , 36, 583-590	2.3	9
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204	High-Temperature Environmental Embrittlement of Thermomechanically Processed TiAl-Based Intermetallic Alloys with Various Kinds of Microstructures. <i>Materials Research Society Symposia Proceedings</i> , <b>2004</b> , 842, 351		1

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201	Plastic flow instabilities of L12 Ni <sub>3</sub> Al alloys at intermediate temperatures. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 3677-3681	4.3	4
200	Defect structures and room-temperature mechanical properties of C15 laves phases in Zr-Nb-Cr and Zr-Hf-Cr alloy systems. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2004</b> , 35, 3469-3476	2.3	15
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197	Thermal hydrogen desorption behavior of cathodically charged Ni <sub>3</sub> (Si,Ti) alloys. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 364, 214-220	5.7	9
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193	Effects of microstructure and environment on room-temperature tensile properties of B2-type polycrystalline CoTi intermetallic compound. <i>Journal of Materials Science</i> , <b>2003</b> , 38, 869-876	4.3	9
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189	Texture of TiNi shape memory alloy sheets produced by roll-bonding and solid phase reaction from elementary metals. <i>Acta Materialia</i> , <b>2003</b> , 51, 6373-6383	8.4	40
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