Takayuki Takasugi

List of Publications by Citations

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	Factors affecting the intergranular hydrogen embrittlement of Co3Ti. *Acta Metallurgica*, **1986**, 34, 607-618		155
345	Electronic and structural studies of grain boundary strength and fracture in Ll2 ordered alloys□. On the effect of third elements in Ni3Al alloy. *Acta Metallurgica*, **1985**, 33, 1259-1269		155
344	Determination of phase equilibria in the Co-rich Co□Al□V ternary system with a diffusion-couple technique. *Intermetallics*, **2009**, 17, 1085-1089	3.5	140
343	Strengthening and ductilization of Ni3Si by the addition of Ti elements. *Acta Metallurgica Et Materialia*, **1990**, 38, 747-755		129
342	Electronic and structural studies of grain boundary strength and fracture in L12 ordered alloys□ On binary A3B alloys. *Acta Metallurgica*, **1985**, 33, 1247-1258		129
341	Intergranular fracture and grain boundary chemistry of Ni3Al and Ni3Si. *Scripta Metallurgica*, **1985**, 19, 551-556		107
340	High temperature strength and ductility of polycrystalline Co3Ti. *Acta Metallurgica*, **1985**, 33, 39-48		98
339	Environmental effect on mechanical properties of recrystallized L12-type Ni3(Si,Ti) intermetallics. *Journal of Materials Science*, **1991**, 26, 1179-1186	4.3	97
338	Mechanical properties of Ni3Al containing C, B and Be. *Acta Metallurgica*, **1988**, 36, 1823-1836		94
337	Effects of combined plasma-carburizing and shot-peening on fatigue and wear properties of Ti□Al□V alloy. *Surface and Coatings Technology*, **2009**, 203, 1400-1405	4.4	89
336	Mapping of 475 □C embrittlement in ferritic Fe□Cr□Al alloys. *Scripta Materialia*, **2010**, 63, 1104-1107	5.6	89
335	Slip Modes in B2-Type Intermetallic Alloys. *Materials Transactions, JIM*, **1990**, 31, 435-442		86
334	Elasticity of Ni-based L12-type intermetallic compounds. *Acta Metallurgica Et Materialia*, **1992**, 40, 381-387		84
333	Phase relation and microstructure in multi-phase intermetallic alloys based on Ni 3 Al□Ni 3 Ti□Ni 3 V pseudo-ternary alloy system. *Intermetallics*, **2004**, 12, 389-399	3.5	82
332	Hydrogen embrittlement of pseudobinary l12-type Ni3(Alo.4Mno.6) intermetallic compound. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1988**, 19, 353-358		79
331	Dual multi-phase intermetallic alloys composed of geometrically close-packed Ni3X (X: Al, Ti and V) type structures □. Microstructures and their stability. *Acta Materialia*, **2006**, 54, 851-860	8.4	78
330	Deformability improvement in C15 NbCr2 intermetallics by addition of ternary elements. *Acta Materialia*, **1996**, 44, 669-674	8.4	78

329	The influence of hydrogen on deformation and fracture processes in Co3Ti polycrystals and single crystals. *Acta Metallurgica*, **1989**, 37, 507-517		74
328	Plastic flow of Co3 Ti single crystals. *Acta Metallurgica*, **1987**, 35, 2015-2026		74
327	Improved ductility and strength of Ni3Al compound by beryllium addition. *Scripta Metallurgica*, **1986**, 20, 1317-1321		73
326	Geometrical consideration on grain boundary structure of L20 and L12 superlattice alloys. *Acta Metallurgica*, **1983**, 31, 1187-1202		71
325	Texture Control for Improving Deep Drawability in Rolled and Annealed Aluminum Alloy Sheets. *Materials Transactions*, **2007**, 48, 2014-2022	1.3	69
324	Dual multi-phase intermetallic alloys composed of geometrically close packed Ni3X (X: Al, Ti and V) type structures □I. Mechanical properties. *Acta Materialia*, **2006**, 54, 861-870	8.4	67
323	Evaluation of surface-modified Ti□Al□V alloy by combination of plasma-carburizing and deep-rolling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 488, 139-145	5.3	64
322	Mechanisms of ductility improvement in L12 compounds. *Journal of Materials Research*, **1988**, 3, 426-440	2.5	64
321	Metallographic and structural observations in the pseudo-binary section Ni3Si-Ni3Ti of the Ni-Si-Ti system. *Acta Metallurgica Et Materialia*, **1990**, 38, 739-745		58
320	The effects of alloying elements (Ta, Hf) on the thermodynamic stability of □-Co3(Al,W) phase. *Intermetallics*, **2012**, 31, 94-98	3.5	56
319	Mechanical properties of dual multi-phase single-crystal intermetallic alloy composed of geometrically close packed Ni3X (X: Al and V) type structures. *Intermetallics*, **2007**, 15, 119-127	3.5	56
318	Phase equilibria in the Co-rich Co-Al-W-Ti quaternary system. *Intermetallics*, **2011**, 19, 1908-1912	3.5	55
317	Mechanical properties of the Ni3(Si, Ti) alloys doped with carbon and beryllium. *Journal of Materials Science*, **1991**, 26, 3032-3040	4.3	55
316	Atomistic defect structures of Ni3Al containing C, B and Be. *Acta Metallurgica*, **1988**, 36, 1815-1822		55
315	Phase relation and microstructure in Ni3Al□Ni3Ti□Ni3Nb pseudo-ternary alloy system. *Intermetallics* , **2002**, 10, 247-254	3.5	53
314	Mechanical properties of Co3Ti polycrystals alloyed with various additions. *Journal of Materials Science*, **1989**, 24, 4458-4466	4.3	53
313	Electronic and structural studies of grain boundary strength and fracture in L12 ordered alloys□I. On the effect of stoichiometry. *Acta Metallurgica*, **1987**, 35, 381-391		51
312	Intergranular hydrogen embrittlement of Co3Ti. *Scripta Metallurgica*, **1985**, 19, 903-907		51

311	Microstructural evolution of dual multi-phase intermetallic alloys composed of geometrically close packed Ni3X (X: Al and V) type structures. *Intermetallics*, **2007**, 15, 338-348	3.5	49
310	Microstructural factors affecting hardness property of dual two-phase intermetallic alloys based on Ni3Al□Ni3V pseudo-binary alloy system. *Intermetallics*, **2009**, 17, 938-944	3.5	48
309	Deformation of CoTi polycrystals. *Journal of Materials Science*, **1988**, 23, 1265-1273	4.3	47
308	Phase relation and microstructure in multi-phase intermetallic alloys based on Ni3Al□Ni3Nb□Ni3V pseudo-ternary alloy system. *Intermetallics*, **2006**, 14, 170-179	3.5	46
307	Mechanical properties of recrystallized L12-type Ni3(Si,Ti) intermetallics. *Journal of Materials Science*, **1991**, 26, 1173-1178	4.3	46
306	The Stability of □Co3(Al,W) Phase in Co-Al-W Ternary System. *Materials Science Forum*, **2010**, 654-656, 448-451	0.4	45
305	High temperature mechanical properties of C15 Laves phase Cr2Nb intermetallics. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1995**, 192-193, 805-810	5.3	45
304	Superplastic deformation in Ni3(Si, Ti) alloys. *Acta Metallurgica Et Materialia*, **1992**, 40, 1895-1906		45
303	The effects of trace impurities on the ductility of a Cr-Mo-V steel at elevated temperatures. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1983**, 14, 571-580		44
302	Recrystallization and grain growth of Co3Ti. *Acta Metallurgica*, **1985**, 33, 49-58		43
301	Plastic flow of B2-type CoTi single crystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1990**, 61, 785-800		42
300	Microstructure, mechanical property and oxidation property in Ni3Si□Ni3Ti□Ni3Nb multi-phase intermetallic alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 399, 332-343	5.3	41
299	Discontinuous precipitates in age-hardening CuNiSi alloys. *Materials Characterization*, **2016**, 115, 39-45	3.9	40
298	Texture of TiNi shape memory alloy sheets produced by roll-bonding and solid phase reaction from elementary metals. *Acta Materialia*, **2003**, 51, 6373-6383	8.4	40
297	Microstructures and defect structures in ZrCr2 Laves phase based intermetallic compounds. *Intermetallics*, **2002**, 10, 783-792	3.5	40
296	Microstructure and mechanical properties of two-phase Cr□r2Nb, Cr□r2Zr and Cr□r2(Nb,Zr) alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 260, 108-123	5.3	38
295	Plastic flow of Ni3(Si,Ti) Single crystals. *Acta Metallurgica*, **1989**, 37, 3425-3436		38
294	Alloying behavior of Co3Ti. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1986**, 17, 1433-1439		37

293	Microstructural evolution and mechanical property in dual two-phase intermetallic alloys composed of geometrically close-packed Ni3 X (X: Al and V) containing Nb. *Journal of Materials Science*, **2008**, 43, 748-758	4.3	36
292	Fabrication of high-strength and high-conductivity Cu□i alloy wire by aging in a hydrogen atmosphere. *Journal of Alloys and Compounds*, **2013**, 580, S397-S400	5.7	35
291	Determination of site occupancy of additives X (X=V, Mo, W and Ti) in the Nb□rX Laves phase by ALCHEMI. *Acta Materialia*, **1999**, 47, 1987-1992	8.4	35
290	Activated slip systems during yielding of □brass two-phase bicrystals. *Journal of Materials Science* , **1978**, 13, 2013-2021	4.3	35
289	Microstructure and mechanical property in dual two-phase intermetallic alloys composed of geometrically close-packed Ni3X (X: Al and V) containing Nb. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 473, 180-188	5.3	34
288	Phase relation and microstructure in multi-phase intermetallic alloys based on Ni3Si□Ni3Ti□Ni3Nb pseudo-ternary alloy system. *Intermetallics*, **2004**, 12, 317-325	3.5	34
287	Environmental embrittlement and grain boundary segregation of boron in Ni3(Si,Ti) and Co3Ti alloys. *Scripta Metallurgica Et Materialia*, **1993**, 29, 1587-1591		33
286	The effects of austenitization temperature and impurity content on the tensile ductility of a CrMoV steel at 500□C. *Scripta Metallurgica*, **1982**, 16, 79-83		33
285	Room-temperature tensile property and fracture behavior of recrystallized B2-type CoZr intermetallic compound. *Scripta Materialia*, **2005**, 52, 39-44	5.6	32
284	Microstructures and mechanical properties of NbCr2 and ZrCr2 Laves phase alloys prepared by powder metallurgy. *Journal of Materials Science*, **2003**, 38, 657-665	4.3	31
283	Defect structures in Co-rich Co3Ti intermetallic compound. *Acta Metallurgica*, **1985**, 33, 33-38		31
282	Mechanical properties of Ni3(Si,Ti) polycrystals alloyed with substitutional additions. *Journal of Materials Science*, **1991**, 26, 3517-3525	4.3	30
281	Environmental effects on the mechanical properties of Co3Ti containing boron, carbon and beryllium. *Journal of Materials Science*, **1990**, 25, 4239-4246	4.3	30
280	Transmission electron microscopy study of the activated slip systems and the dislocation structures in B2-type CoZr and CoHf polycrystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1993**, 68, 401-417		29
279	Environmental embrittlement of □titanium aluminide. *Journal of Materials Research*, **1992**, 7, 2739-2746	2.5	29
278	Effect of combined plasma-carburizing and deep-rolling on notch fatigue property of Ti-6Al-4V alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 499, 482-488	5.3	28
277	Extraction of precipitates from age-hardenable Cu□i alloys. *Materials Characterization*, **2013**, 82, 23-31	3.9	27
276	Tensile properties of recrystallized B2 CoZr intermetallic alloys. *Journal of Alloys and Compounds*, **2008**, 456, 125-134	5.7	27

275	TEM investigation of dislocation dissociation in L12-type Co74Ni3Ti23 single crystals I. The effect of applied stress. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1989**, 59, 423-436		27
274	Hydrogen embrittlement of L12-type Ni3 (Al, Ti) single crystals. *Acta Metallurgica Et Materialia*, **1991**, 39, 2157-2167		27
273	High-temperature deformation of the NbCr2-based Laves intermetallics in Nb-Cr-V and Nb-Cr-Mo alloy systems. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 224, 77-86	5.3	26
272	Microstructural control and mechanical properties of nickel silicides. *Intermetallics*, **2000**, 8, 575-584	3.5	26
271	The temperature and orientation dependence of tensile deformation and fracture in NiAl single crystals. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1992**, 149, 183-193	5.3	26
270	Phase field and room-temperature mechanical properties of C15 Laves phase in NbHfCr and NbTaCr alloy systems. *Journal of Alloys and Compounds*, **2006**, 424, 283-288	5.7	25
269	Stress asymmetry of stoichiometric NiAl single crystals. *Acta Metallurgica Et Materialia*, **1993**, 41, 1021-1031		25
268	Anomalous temperature dependence of the yield strength in IVa-VIII intermetallic compounds with B2 structure. *Journal of Materials Science*, **1991**, 26, 2941-2948	4.3	25
267	Microstructure, mechanical property and chemical property in Ni3Al-Ni3Ti-Ni3Nb-based multi-intermetallic alloys. *Journal of Materials Science*, **2004**, 39, 2295-2301	4.3	24
266	Anomalous elongation behavior of stoichiometric NiAl single crystals at intermediate temperatures. *Acta Metallurgica Et Materialia*, **1993**, 41, 1009-1020		24
265	The effect of temperature on dislocation structures in l12-type ni3(si, ti) single crystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1992**, 65, 41-52		24
264	The effect of temperature and orientation on dislocation microstructures in b2-type coti single crystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1992**, 65, 29-40		24
263	The Effect of Ternary Addition on Structure and Stability of NbCr2 Laves Phases. *Journal of Materials Research*, **1998**, 13, 2505-2513	2.5	23
262	Tem investigation on dislocation dissociation and planar faults in deformed (Co, Ni)3Ti single crystal. *Acta Metallurgica*, **1988**, 36, 2959-2966		23
261	The plastic deformation and fracture behaviours of brass two-phase bicrystals. *Acta Metallurgica*, **1978**, 26, 1453-1459		23
260	High temperature mechanical properties of Cr2Nb-based intermetallics. *Journal of Materials Research*, **1993**, 8, 3069-3077	2.5	22
259	Investigation of Precipitation Behavior in Age-Hardenable Cu-Ti Alloys by an Extraction-Based Approach. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2014**, 45, 3401-3411	2.3	21
258	Phase relation and microstructure of the NbCrV alloy system. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 262, 107-114	5.3	21

257	Environmental embrittlement and grain boundary segregation of boron and carbon in Ni3(Si, Ti) alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1995**, 192-193, 407-412	5.3	21
256	Suppression of environmental embrittlement of Ni3(Si,Ti) alloys by shot peening. *Scripta Materialia*, **1996**, 34, 1131-1138	5.6	21
255	Effect of surface diffusion on creep fracture. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1981**, 12, 659-667		21
254	Alloying effects on the phase equilibria among Ni(A1), Ni3Al(L12) and Ni3V(D022) phases. *Intermetallics*, **2012**, 23, 68-75	3.5	20
253	Effect of Nb and Ti Addition on Microstructure and Hardness of Dual Two-Phase Intermetallic Alloys Based on Ni3Al-Ni3V Pseudo-Binary Alloy System. *Materials Transactions*, **2010**, 51, 1395-1403	1.3	20
252	Tensile properties of L12 intermetallic foils fabricated by cold rolling. *International Journal of Materials Research*, **2008**, 99, 1229-1236	0.5	19
251	The effect of Cr addition on mechanical and chemical properties of Ni3Si alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2002**, 329-331, 446-454	5.3	19
250	TEM observation for deformation microstructures of two C15 NbCr2 intermetallic compounds. *Intermetallics*, **2002**, 10, 85-93	3.5	19
249	A model for strength anomaly in IVa-VIII B2 ordered intermetallics. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1995**, 71, 347-358		19
248	Effects of Boron and Carbon Additions on Environmental Embrittlement of a Ni3(Si, Ti) Alloy at Ambient Temperature. *Materials Transactions, JIM*, **1995**, 36, 30-35		19
247	TEM investigation of dislocation dissociation in L12-type Co74Ni3Ti23 single crystals II. The influence of the deformation temperature. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1989**, 59, 437-454		19
246	The boron effect on the superplastic deformation of Ni3(Si,Ti) alloys. *Scripta Metallurgica Et Materialia*, **1991**, 25, 889-894		19
245	Self-diffusion of cobalt in intermetallic compound Co3Ti. *Scripta Metallurgica*, **1988**, 22, 507-510		19
244	The alloying effect on the high temperature deformation of Laves phase NbCr2 intermetallic compound. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 234-236, 873-876	5.3	18
243	Laves phase fields in Cr□rNb and Cr□rHf alloy systems. *Scripta Materialia*, **2003**, 48, 559-563	5.6	18
242	Microstructure and high-temperature deformation of the C15 NbCr2-based Laves intermetallics in Nb□rV alloy system. *Journal of Materials Research*, **1995**, 10, 2463-2470	2.5	18
241	High-resolution electron microscopy of dislocations in a B2-type intermetallic compound CoTi. *Intermetallics*, **1995**, 3, 167-171	3.5	18
240	Strength anomaly and dislocation structure at 4.2 k in ni3(si, ti) single crystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1992**, 65, 613-624		18

239	Effect of Boron Doping on Cellular Discontinuous Precipitation for Age-Hardenable Cu□Ti Alloys. *Materials*, **2015**, 8, 3467-3478	3.5	17
238	Flow behavior and microstructure of Co3Ti intermetallic alloy during superplastic deformation. *Acta Materialia*, **1998**, 46, 3593-3604	8.4	17
237	Effects of Grain Size and Temperature on Environmental Embrittlement of Ni3(Si, Ti) Alloy. *Materials Transactions*, **2001**, 42, 418-421	1.3	17
236	Tensile property and fracture behavior of hot-rolled CoTi intermetallic compound. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 302, 215-221	5.3	17
235	The peculiar temperature and orientation dependence of L12-type Co74Ni3Ti23 single crystals. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1989**, 59, 401-421		17
234	Magnetic moment and curie temperature of the Ni3Al1−xMnx solid solution. *Journal of Magnetism and Magnetic Materials*, **1985**, 53, L1-L4	2.8	17
233	Dynamic observations of the fracture phenomena in alpha/beta brass two-phase bicrystals. *Journal of Materials Science*, **1978**, 13, 2462-2470	4.3	17
232	Aging effect on microstructure and hardness of two-phase Ni3Al□Ni3V intermetallic alloys containing Ta and Re. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 539, 30-37	5.3	16
231	Phase relation and microstructure of Nb-Cr-V and Nb-Cr-Mo alloy systems. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 224, 69-76	5.3	16
230	The influence of chromium addition on the environmental embrittlement of Ni3(Si,Ti) alloys at ambient temperatures. *Scripta Metallurgica Et Materialia*, **1995**, 32, 1025-1029		16
229	Environmental Embrittlement of Ni3(Si, Ti) Single Crystals. *Materials Transactions, JIM*, **1993**, 34, 775-785		16
228	The influence of constituent elements and atomic ordering on hydrogen embrittlement of Ni3Fe polycrystals. *Intermetallics*, **1994**, 2, 225-232	3.5	16
227	Interface structure of □-brass two-phase bicrystals made by solid state diffusion couple method. *Acta Metallurgica*, **1979**, 27, 111-115		16
226	Kinetics and Equilibrium of Age-Induced Precipitation in Cu-4 At. Pct Ti Binary Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2017**, 48, 1501-1511	2.3	15
225	TEM observation of the channel regions in a two-phase intermetallic alloy based on Ni3Al□Ni3V pseudo-binary alloy system. *Intermetallics*, **2012**, 21, 80-87	3.5	15
224	Alloying Behavior of Ni3M-Type Compounds with D0a Structure. *Materials Transactions*, **2011**, 52, 663-671	1.3	15
223	Alloying behavior of Ni3M-type GCP compounds. *Journal of Alloys and Compounds*, **2010**, 496, 116-121	5.7	15
222	Alloying effect on microstructure and mechanical properties of thermomechanically processed Ni3(Si,Ti) alloys. *International Journal of Materials Research*, **2011**, 102, 1-7	0.5	15

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220	Further investigation on phase relation and microstructures in Ni3Si□Ni3Ti□Ni3Nb pseudo-ternary alloy system. *Intermetallics*, **2006**, 14, 367-376	3.5	15
219	Defect structures and room-temperature mechanical properties of C15 laves phases in Zr-Nb-Cr and Zr-Hf-Cr alloy systems. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2004**, 35, 3469-3476	2.3	15
218	Dislocation structures for octahedral slip in Ni3(Si, Ti) single crystals at elevated temperatures. *Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties*, **1993**, 67, 447-462		15
217	Elastic Constants of Co3Ti and CoTi Intermetallic Compounds. *Materials Transactions, JIM*, **1991**, 32, 48-51		15
216	High-temperature strength and ductility of L12-type Ni3Al-Ni3Mn intermetallic compound. *Journal of Materials Science*, **1987**, 22, 2599-2608	4.3	15
215	High temperature strength and ductility of recrystallized Ni3Al-Ni3Mn alloys. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1988**, 19, 345-352		15
214	Effects of sulfur and phosphorus on the creep ductility of a Cr?Mo?V steel. *Materials Science and Engineering*, **1983**, 57, 15-20		15
213	Grain Boundary Character Dependence on Nucleation of Discontinuous Precipitates in Cu-Ti Alloys. *Materials*, **2017**, 10,	3.5	14
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211	Compositional effects on the high temperature ductility of 1 Cr-1.25 Mo-0.25 V Steel. *Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science*, **1982**, 13, 1471-1481		14
210	Grain-boundary character distribution in recrystallized L12 ordered intermetallic alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2003**, 34, 2429-2439	2.3	13
209	Electronic effect on grain boundary properties of ordered intermetallics. *Scripta Metallurgica Et Materialia*, **1991**, 25, 1243-1248		13
208	Defect Structures in Co-Rich CoTi Intermetallic Compound. *Physica Status Solidi A*, **1987**, 102, 697-702		13
207	Operative slip systems in □brass two-phase bicrystals at 150 K. *Journal of Materials Science*, **1979**, 14, 1651-1656	4.3	13
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205	Superplastic deformation of Co3Ti alloy. *Scripta Materialia*, **1997**, 37, 1053-1058	5.6	12
204	Grain refinement of a Fe3Al-based alloy using □Fe3AlC precipitate particles stimulating nucleation of recrystallization. *Intermetallics*, **2007**, 15, 1659-1665	3.5	12

203	Plastic flow instabilities of L12 Co3Ti alloys at intermediate temperatures. *Acta Materialia*, **2002**, 50, 847-855	8.4	12
202	The effect of Nb addition on microstructure and mechanical properties of Ni3(Si,Ti) alloy. *Journal of Materials Science*, **2001**, 36, 643-651	4.3	12
201	The influence of residual hydrogen and moisture-released hydrogen on the embrittlement of Ni3(Al,Ti) single crystals. *Acta Metallurgica Et Materialia*, **1994**, 42, 3527-3534		12
200	Geometrical models for grain boundary structures in L20 and L12 ordered alloys□n the twist boundaries. *Acta Metallurgica*, **1987**, 35, 823-833		12
199	Interface sliding in □brass two-phase bicrystals. *Acta Metallurgica*, **1980**, 28, 465-473		12
198	Surface strengthening in aluminium single crystals coated with electro-deposited nickel film. *Acta Metallurgica*, **1975**, 23, 1111-1120		12
197	High Strength and High Electrical Conductivity Cu-Ti Alloy Wires Fabricated by Aging and Severe Drawing. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 4956-4965	2.3	12
196	The effect of second-phase Ni solid solution on environmental embrittlement of L12-type Ni3(Si,Ti) ordered alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 383, 259-270	5.3	11
195	The effect of pre-deformation on environmental embrittlement of Ni3(Si,Ti) alloys. *Scripta Materialia*, **1996**, 34, 1633-1639	5.6	11
194	Mechanical properties of Co3Ti containing boron, carbon and beryllium. *Journal of Materials Science* , **1990**, 25, 4231-4238	4.3	11
193	Weak-beam observation on Shockley partials in a Ni3(Al, Ti) single crystal. *Philosophical Magazine Letters*, **1988**, 58, 81-85	1	11
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