Alan J Ardell

List of Publications by Year in descending order

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| 125 | 5,863 | 38 h-index | 75 |
|----------|----------------|--------------|----------------|
| papers | citations | | g-index |
| 128 | 128 | 128 | 2376 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | CITATIONS |
|----|--|-----------|-----------|
| 1 | The (γ + γ′) γ′ phase boundary in the Ni–Al phase diagram from 600 to 1200 ° C. International Journal of Materials Research, 2022, 94, 972-975. | of 0.1 | 1 |
| 2 | Coarsening of skeletal microstructures: Re-examination of data on Pseudo-Skeletal γ′ precipitate coarsening in binary Ni-Al Alloys. Scripta Materialia, 2022, 215, 114693. | 2.6 | 2 |
| 3 | Splitting of γ′ Precipitates in the Context of Phase Equilibrium. Journal of Phase Equilibria and Diffusion, 2022, 43, 660-676. | 0.5 | 1 |
| 4 | Ripening of L1 ₂ Ni ₃ Ti precipitates in the framework of the trans-interface diffusion-controlled theory of particle coarsening. International Journal of Materials Research, 2022, 97, 295-303. | 0.1 | 1 |
| 5 | Coarsening of solid $\langle i \rangle \hat{l}^2 \langle i \rangle$ -Sn particles in liquid Pb-Sn alloys: Reinterpretation of experimental data in the framework of trans-interface-diffusion-controlled coarsening. Physical Review Materials, 2021, 5, . | 0.9 | 2 |
| 6 | Temperature Dependence of the $\hat{I}^3/\hat{I}^3\hat{a}\in^2$ Interfacial Energy in Binary Ni $\hat{a}\in^4$ Al Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 5182-5199. | 1.1 | 10 |
| 7 | Trans-interface-diffusion-controlled coarsening of $\hat{I}^3\hat{a}\in^2$ particles in Ni $\hat{a}\in^\infty$ Al alloys: commentaries and analyses of recent data. Journal of Materials Science, 2020, 55, 14588-14610. | 1.7 | 14 |
| 8 | Disorder strengthening of ordered L1 2 alloys by face centered cubic (A1) precipitates. Intermetallics, 2017, 88, 81-90. | 1.8 | 13 |
| 9 | The roles of auxeticity and volume fraction on γ′ precipitate microstructures in nickel-base alloys. Philosophical Magazine Letters, 2017, 97, 35-42. | 0.5 | 2 |
| 10 | Non-integer temporal exponents in trans-interface diffusion-controlled coarsening. Journal of Materials Science, 2016, 51, 6133-6148. | 1.7 | 12 |
| 11 | Radiation-induced solute segregation in metallic alloys. Current Opinion in Solid State and Materials Science, 2016, 20, 115-139. | 5.6 | 95 |
| 12 | The effects of elastic interactions on precipitate microstructural evolution in elastically inhomogeneous nickel-base alloys. Philosophical Magazine, 2014, 94, 2101-2130. | 0.7 | 42 |
| 13 | Trans-interface-diffusion-controlled coarsening of γ′ precipitates in ternary Ni–Al–Cr alloys. Acta Materialia, 2013, 61, 7828-7840. | 3.8 | 45 |
| 14 | Trans-interface-diffusion-controlled coarsening in ternary alloys. Acta Materialia, 2013, 61, 7749-7754. | 3.8 | 27 |
| 15 | Harper–Dorn creep – The dislocation network theory revisited. Scripta Materialia, 2013, 69, 541-544. | 2.6 | 8 |
| 16 | Gradient energy, interfacial energy and interface width. Scripta Materialia, 2012, 66, 423-426. | 2.6 | 53 |
| 17 | Coarsening of Ni–Ge solid-solution precipitates in "inverse―Ni3Ge alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 66-75. | 2.6 | 10 |
| 18 | The Nickel-Rich Region of the Ni-Ge Phase Diagram. Journal of Phase Equilibria and Diffusion, 2012, 33, 4-8. | 0.5 | 8 |

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|----|--|------|-----------|
| 19 | A1-L12 interfacial free energies from data on coarsening in five binary Ni alloys, informed by thermodynamic phase diagram assessments. Journal of Materials Science, 2011, 46, 4832-4849. | 1.7 | 55 |
| 20 | Quantitative predictions of the trans-interface diffusion-controlled theory of particle coarsening. Acta Materialia, 2010, 58, 4325-4331. | 3.8 | 44 |
| 21 | Chemical diffusion in hypostoichiometric Ni3Al from data on coarsening of Ni–Al solid solution precipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 516, 259-262. | 2.6 | 8 |
| 22 | Coarsening of γ (Ni–Al solid solution) precipitates in a γ′ (Ni3Al) matrix. Acta Materialia, 2007, 55, 4419-4427. | 3.8 | 46 |
| 23 | The elastic constants of FCC Ni–Ga and Ni–Ge alloys up to 1100K. Scripta Materialia, 2006, 54, 1327-1330. | 2.6 | 5 |
| 24 | Ripening of L12Ni3Ti precipitates in the framework of the trans-interface diffusion-controlled theory of particle coarsening. International Journal of Materials Research, 2006, 97, 295-302. | 0.8 | 15 |
| 25 | Trans-interface diffusion-controlled coarsening. Nature Materials, 2005, 4, 309-316. | 13.3 | 230 |
| 26 | Coarsening of Ni3Ge precipitates in Ni–Ge alloys aged under uniaxial compression. Materials Science & A: Structural Materials: Properties, Microstructure and Processing, 2005, 397, 264-270. | 2.6 | 7 |
| 27 | Coarsening behavior of Ni3Ga precipitates in Ni-Ga alloys: Dependence of microstructure and kinetics on volume fraction. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 3063-3069. | 1.1 | 18 |
| 28 | Three-dimensional phase-field simulations of coarsening kinetics of γ′ particles in binary Ni–Al alloys. Acta Materialia, 2004, 52, 2837-2845. | 3.8 | 196 |
| 29 | Retardation of the Coarsening Kinetics in Ni-Al and Ni-Ge Alloys Under Uniaxial Elastic Strain. Microscopy and Microanalysis, 2004, 10, 696-697. | 0.2 | 1 |
| 30 | Elastic constants of face-centered cubic and L12 Ni-Si alloys: Composition and temperature dependence. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 1863-1868. | 1.1 | 17 |
| 31 | Coarsening of Ni3Ge in binary Ni–Ge alloys: microstructures and volume fraction dependence of kinetics. Acta Materialia, 2003, 51, 4073-4082. | 3.8 | 36 |
| 32 | Coarsening of $\hat{1}^3\hat{a}\in^2$ in Ni $\hat{a}\in^4$ Al alloys aged under uniaxial compression: II. Diffusion under stress and retardation of coarsening kinetics. Acta Materialia, 2003, 51, 5013-5019. | 3.8 | 57 |
| 33 | Coarsening of γ′ in Ni–Al alloys aged under uniaxial compression: I. Early-stage kinetics. Acta Materialia, 2003, 51, 5001-5012. | 3.8 | 30 |
| 34 | Coarsening of $\hat{l}^3\hat{a}\in^2$ in Ni-Al alloys aged under uniaxial compression: III. Characterization of the morphology. Acta Materialia, 2003, 51, 5021-5036. | 3.8 | 38 |
| 35 | Coarsening of \hat{l}^3 (Ni-Al Solid Solution) Precipitates in a \hat{l}^3 (Ni₃Al) Matrix: Preliminary Results. Materials Science Forum, 2003, 442, 1-6. | 0.3 | 2 |
| 36 | The (γ + γ′)/γ′ phase boundary in the Ni–Al phase diagram from 600 to 1200°C. International Journal of Materials Research, 2003, 94, 972-975. | 0.8 | 24 |

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|----|--|-----|-----------|
| 37 | Precipitation of Al3Sc in binary Al–Sc alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 318, 144-154. | 2.6 | 188 |
| 38 | Fracture toughness of ceramics and semi-brittle alloys using a miniaturized disk-bend test. Materials Research Innovations, 2000, 3, 250-262. | 1.0 | 11 |
| 39 | The Ni-Ni3Al phase diagram: thermodynamic modelling and the requirements of coherent equilibrium. Modelling and Simulation in Materials Science and Engineering, 2000, 8, 277-286. | 0.8 | 18 |
| 40 | Microstructural stability at elevated temperatures. Journal of the European Ceramic Society, 1999, 19, 2217-2231. | 2.8 | 33 |
| 41 | The incoherent γ/γ′ solvus in Ni-Al alloys. Journal of Phase Equilibria and Diffusion, 1998, 19, 334-339. | 0.3 | 9 |
| 42 | Coarsening of Ni3Si precipitates at volume fractions from 0.03 to 0.30. Acta Materialia, 1998, 46, 5907-5916. | 3.8 | 38 |
| 43 | Fracture toughness of Tiî—,46.5Alî—,2.1Crî—,3.0Nbî—,0.2W from finite element analysis of miniaturized disk-bend test results. Intermetallics, 1998, 6, 471-477. | 1.8 | 5 |
| 44 | Latent hardening behavior of monocrystalline Al-Mg solid solution. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1997, 28, 2353-2360. | 1.1 | 5 |
| 45 | Coarsening of Ni3Si precipitates in binary Niî—,Si alloys at intermediate to large volume fractions. Acta Materialia, 1997, 45, 1393-1400. | 3.8 | 27 |
| 46 | HARPER-DORN CREEP—PREDICTIONS OF THE DISLOCATION NETWORK THEORY OF HIGH TEMPERATURE DEFORMATION. Acta Materialia, 1997, 45, 2971-2981. | 3.8 | 24 |
| 47 | Temporal behavior of the number density of particles during Ostwald ripening. Materials Science & Structural Materials: Properties, Microstructure and Processing, 1997, 238, 108-120. | 2.6 | 42 |
| 48 | Preferential cleavage planes in biaxially stressed, vickers-indented NiAl monocrystals. Scripta Materialia, 1996, 34, 1107-1113. | 2.6 | 0 |
| 49 | Interfacial free energies and solute diffusivities from data on Ostwald ripening. Journal of Materials Science, 1995, 3, 119. | 1.2 | 74 |
| 50 | The effects of heat treatment and purity on the mechanical properties of monocrystalline NiAl. Materials Science & Description A: Structural Materials: Properties, Microstructure and Processing, 1995, 192-193, 333-339. | 2.6 | 4 |
| 51 | Two-Dimensional Ostwald Ripening in Symmetric Diblock Copolymer Films. Physical Review Letters, 1995, 74, 4960-4960. | 2.9 | 15 |
| 52 | Coherent equilibrium in alloys containing spherical precipitates. Acta Metallurgica Et Materialia, 1995, 43, 1825-1835. | 1.9 | 19 |
| 53 | Measurement of the fracture toughness of Ni3Ge using small disk-shaped specimens. Intermetallics, 1995, 3, 397-404. | 1.8 | 4 |
| 54 | Microstructure and coarsening kinetics of Ni3Ge precipitates in aged NiGe alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 183, 169-179. | 2.6 | 19 |

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|----|--|-----|-----------|
| 55 | Role of volume fraction in the coarsening of Ni3Si precipitates in binary Niî—,Si alloys. Materials Science & Amp; Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 185, 153-163. | 2.6 | 36 |
| 56 | Coarsening kinetics and microstructure of Ni3Ga precipitates in aged Niî—,Ga alloys. Journal of Alloys and Compounds, 1994, 205, 215-223. | 2.8 | 13 |
| 57 | The Effect of Volume Fraction on γ' (Ni3Si) Precipitate Coarsening In Ni-Si Alloys. NATO ASI Series Series B: Physics, 1994, , 215-218. | 0.2 | 0 |
| 58 | Measurement of the Fracture Toughness of Ceramic Materials Using a Miniaturized Disk-Bend Test. Journal of the American Ceramic Society, 1993, 76, 1340-1344. | 1.9 | 17 |
| 59 | Mechanical properties of individual grain boubdaries in Ni3Al using a miniaturized disk-bend test. Acta Metallurgica Et Materialia, 1993, 41, 2601-2610. | 1.9 | 19 |
| 60 | Morphological evolution of coherent misfitting precipitates in anisotropic elastic media. Physical Review Letters, 1993, 70, 2305-2308. | 2.9 | 92 |
| 61 | Optimization of Test Parameters for Quantitative Stress Measurements Using the Miniaturized Disk-Bend Test. Journal of Testing and Evaluation, 1993, 21, 263-271. | 0.4 | 26 |
| 62 | Mechanical Behavior of Monocrystalline NiAl Using A Miniaturized Disk-Bend Test. Materials Research Society Symposia Proceedings, 1992, 288, 641. | 0.1 | 0 |
| 63 | Elastic interactions and their effect on \hat{I}^3 ' precipitate shapes in aged dilute Ni-Al alloys. Scripta Metallurgica Et Materialia, 1992, 26, 347-352. | 1.0 | 48 |
| 64 | Anomalous coarsening behavior of small volume fractions of Ni3Al precipitates in binary Niî—,Al alloys. Acta Metallurgica Et Materialia, 1992, 40, 2661-2667. | 1.9 | 57 |
| 65 | Observation of rod-shaped T1 precipitates in an Al-Li-Cu alloy. Scripta Metallurgica Et Materialia, 1992, 26, 1759-1762. | 1.0 | 1 |
| 66 | Anomalous coarsening of small volume fractions of Ni3Al precipitates: An explanation of inhomogeneous dispersions observed at small undercoolings. Scripta Metallurgica Et Materialia, 1992, 27, 943-946. | 1.0 | 4 |
| 67 | Solute-enriched surface layers and X-ray microanalysis of thin foils of a commercial aluminium alloy. Journal of Microscopy, 1992, 165, 301-309. | 0.8 | 3 |
| 68 | Mechanical behaviour of both sides of an amorphous Fe78B14Si8 alloy ribbon as determined from miniaturized disk-bend tests. Acta Metallurgica Et Materialia, 1992, 40, 3167-3177. | 1.9 | 12 |
| 69 | Mechanical behavior of ion-irradiated ordered intermetallic compounds. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 152, 212-226. | 2.6 | 8 |
| 70 | Mechanical behavior of ion-irradiated ordered intermetallic compounds., 1992,, 212-226. | | 1 |
| 71 | Microchemical analysis of precipitate free zones in 7075-A1 in the T6, T7 and RRA tempers. Acta Metallurgica Et Materialia, 1991, 39, 591-598. | 1.9 | 64 |
| 72 | Fracture Strengths of Individual Grain Boundaries in Ni3Ai Using a Miniaturized Disk Bend Test. Materials Research Society Symposia Proceedings, 1991, 238, 375. | 0.1 | 1 |

| # | Article | IF | Citations |
|----|---|-----|-----------|
| 73 | Measurement of the fracture toughness of CVD-grown ZnS using a miniaturized disk-bend test. Journal of Materials Research, 1991, 6, 1950-1957. | 1.2 | 31 |
| 74 | Solid-State Phase Equilibria in the ZnS-Ga2S3 System. Journal of the American Ceramic Society, 1990, 73, 1544-1547. | 1.9 | 13 |
| 75 | Solid solution strengthening of ZnS. , 1990, , . | | 6 |
| 76 | Late-stage two-dimensional coarsening of circular clusters. Physical Review B, 1990, 41, 2554-2556. | 1.1 | 71 |
| 77 | Observations on the effect of volume fraction on the coarsening of γ′ precipitates in binary NiAl alloys. Scripta Metallurgica Et Materialia, 1990, 24, 343-346. | 1.0 | 53 |
| 78 | Fractographic fingerprinting of proton-irradiation-induced disordering and amorphization of intermetallic compounds. Journal of Materials Research, 1989, 4, 565-578. | 1.2 | 12 |
| 79 | Enhanced ordering and stability of Pd8W in proton irradiated Pd-W alloys. Acta Metallurgica, 1989, 37, 1891-1902. | 2.1 | 4 |
| 80 | Scaling characteristics of dislocation link length distributions generated during the creep of crystals. Acta Metallurgica, 1989, 37, 739-748. | 2.1 | 38 |
| 81 | Correlation between microstructure and calorimetric behavior of aluminum alloy 7075 and Alî—¸Znî—¸Mg alloys in various tempers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1989, 114, 197-203. | 2.6 | 75 |
| 82 | Addition rules and the contribution of \hat{l}^1 precipitates to strengthening of aged Alî—,Liî—,Cu alloys. Acta Metallurgica, 1988, 36, 2995-3006. | 2.1 | 112 |
| 83 | Precipitation strengthening of binary Alî—,Li alloys by δ′ precipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1988, 104, 149-156. | 2.6 | 41 |
| 84 | Solid-state phase equilibria in the ZnS-CdS system. Materials Research Bulletin, 1988, 23, 1667-1673. | 2.7 | 23 |
| 85 | The structure of amorphous Ni 50 Ti 50 alloys prepared by proton irradiation and mechanical alloying. Journal of Non-Crystalline Solids, 1988, 106, 81-84. | 1.5 | 8 |
| 86 | Enhanced ordering of Pd8Mo and induced solute segregation in proton-irradiated Pdî—,Mo alloys. Journal of the Less Common Metals, 1988, 143, 251-263. | 0.9 | 6 |
| 87 | On the stability of the ordered Pd8V phase in a proton-irradiated Pd-15at.%V alloy. Journal of the Less Common Metals, 1988, 141, 45-53. | 0.9 | 14 |
| 88 | Antiphase boundary energies and the transition from shearing to looping in alloys strengthened by ordered precipitates. Philosophical Magazine Letters, 1988, 58, 189-197. | 0.5 | 31 |
| 89 | Precipitate microstructure of peak-aged 7075 Al. Scripta Metallurgica, 1988, 22, 1115-1119. | 1.2 | 61 |
| 90 | Structural comparison of amorphous Cu50Zr50 alloys prepared by proton irradiation, melt spinning, and mechanical alloying. Journal of Applied Physics, 1988, 64, 4772-4774. | 1.1 | 26 |

| # | Article | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | The formation of Pd8Mo in proton-irradiated Pd-Mo solid solutions. Materials Letters, 1987, 6, 67-70. | 1.3 | 13 |
| 92 | Dynamic recovery during compression testing of monocrystalline NaCl at elevated temperatures. Materials Science and Engineering, 1987, 92, 63-70. | 0.1 | 5 |
| 93 | Precipitation at grain boundaries in the commercial alloy Al 7075. Acta Metallurgica, 1986, 34, 2399-2409. | 2.1 | 47 |
| 94 | Effect of heat treatment on precipitation behaviour in a Cu-Ni-Si-P alloy. Journal of Materials Science, 1986, 21, 1357-1362. | 1.7 | 41 |
| 95 | A dislocation network theory of Harper-Dorn creep—I. Steady state creep of monocrystalline Al. Acta Metallurgica, 1986, 34, 2411-2423. | 2.1 | 55 |
| 96 | Dislocation link-length statistics and elevated temperature deformation of crystals. Mechanics of Materials, 1984, 3, 319-332. | 1.7 | 41 |
| 97 | Crystallization of amorphous Ni35Zr65 and Fe40Ni40P14B6 under proton irradiation. Journal of Non-Crystalline Solids, 1984, 65, 73-86. | 1.5 | 2 |
| 98 | Irradiation damage in proton irradiated palladium-iron solid solutions. Journal of Nuclear Materials, 1983, 114, 66-74. | 1.3 | 5 |
| 99 | On the modeling of irradiation-induced homogeneous precipitation in proton-bombarded Ni-Si solid solutions. Journal of Nuclear Materials, 1981, 101, 314-325. | 1.3 | 23 |
| 100 | Order hardening: comparison between revised theory and experiment. Metal Science, 1980, 14, 221-224. | 0.7 | 12 |
| 101 | Microstructure and transient creep in an austenitic stainless steel. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1979, 39, 65-73. | 0.7 | 29 |
| 102 | A phenomenological theory of transient creep. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1979, 39, 75-90. | 0.7 | 12 |
| 103 | Antiphase domain growth in Cu3Au: Quantitative comparison between theory and experiment. Acta Metallurgica, 1979, 27, 1261-1269. | 2.1 | 12 |
| 104 | The mechanism of overaging in Cu3Au-1.5 at.% Co alloy single crystals. Materials Science and Engineering, 1978, 36, 139-143. | 0.1 | 7 |
| 105 | Void ordering in nitrogen-ion irradiated nickel—aluminum solid solutions. Journal of Nuclear Materials, 1978, 75, 177-185. | 1.3 | 24 |
| 106 | Long-range order in Cu3Au and dilute Cu3Au–Co alloys. Journal of Applied Crystallography, 1977, 10, 468-472. | 1.9 | 2 |
| 107 | Hardening mechanisms in underaged ordered and disordered Cu3Au-Co alloy single crystals. Acta Metallurgica, 1977, 25, 1231-1240. | 2.1 | 6 |
| 108 | The observation of multiple-layer loops in nickel base alloys under ion bombardment. Physica Status Solidi A, 1976, 34, 679-690. | 1.7 | 8 |

| # | Article | IF | Citations |
|-----|--|-----|-----------|
| 109 | The effect of particle size distributions on the CRSS of aged Niî—,Al alloys. Acta Metallurgica, 1976, 24, 827-833. | 2.1 | 14 |
| 110 | Precipitation hardening of Ni-12.19 at.% Al alloy single crystals. Acta Metallurgica, 1975, 23, 513-520. | 2.1 | 48 |
| 111 | The coarsening of \hat{l}^3 precipitates at large volume fractions. Acta Metallurgica, 1974, 22, 577-588. | 2.1 | 176 |
| 112 | Particle range and energy deposition in materials containing voids. Radiation Effects, 1974, 22, 217-223. | 0.4 | 9 |
| 113 | On diffraction contrast effects at extrinsic grain boundary dislocations. Physica Status Solidi A, 1973, 18, 407-417. | 1.7 | 13 |
| 114 | On the coarsening of grain boundary precipitates. Acta Metallurgica, 1972, 20, 601-609. | 2.1 | 260 |
| 115 | The effect of volume fraction on particle coarsening: theoretical considerations. Acta Metallurgica, 1972, 20, 61-71. | 2.1 | 771 |
| 116 | Observations on the precipitation-hardening of a Cu3Auî—,-Co alloy. Materials Science and Engineering, 1972, 9, 163-174. | 0.1 | 6 |
| 117 | The coarsening behavior of the γ′ precipitate in nickel-silicon alloys. Acta Metallurgica, 1971, 19, 321-330. | 2.1 | 159 |
| 118 | The coherent solubilities of γ′ in Ni-Al, Ni-Si AND Ni-Ti alloys. Acta Metallurgica, 1969, 17, 595-602. | 2.1 | 92 |
| 119 | An application of the theory of particle coarsening: The \hat{I}^3 precipitate in Niî—Al alloys. Acta Metallurgica, 1968, 16, 511-516. | 2.1 | 192 |
| 120 | Reply to "comments on †further applications of the theory of particle coarsening†™â€• Scripta Metallurgica, 1968, 2, 173-176. | 1.2 | 4 |
| 121 | On the modulated structure of aged Ni-Al alloys. Acta Metallurgica, 1966, 14, 1295-1309. | 2.1 | 615 |
| 122 | The coarsening of î³' in Ni-Al alloys. Journal of Physics and Chemistry of Solids, 1966, 27, 1793-1794. | 1.9 | 311 |
| 123 | Dislocation Mobility and the Steadyâ€State Creep of Crystals with Special Reference to α Zirconium. Journal of Applied Physics, 1966, 37, 2910-2911. | 1.1 | 5 |
| 124 | Statistics of Jogs on Dislocations at Equilibrium. Journal of Applied Physics, 1965, 36, 1727-1732. | 1,1 | 22 |
| 125 | On the calculation of melting temperatures for low-temperature phases of polymorphic metals. Acta Metallurgica, 1963, 11, 591-594. | 2.1 | 70 |