# Goro Miyamoto

List of Publications by Year
in descending order



| 143 | 5,553 | 76294 | 88593 |
|---|---|---|---|
| papers | citations | 40 h-index | 70 g-index |

| 148 | 148 | 148 | 2300 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Introduction: New and Improved Steels. , 2022, , 1-2. | | 0 |
| 2 | Relationship between mechanical response and microscopic crack propagation behavior of hydrogen-related intergranular fracture in as-quenched martensitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 831, 142288. | 2.6 | 9 |
| 3 | Phase separation with ordering in aged Fe-Ni-Mn medium entropy alloy. Acta Materialia, 2022, 223, 117487. | 3.8 | 7 |
| 4 | Hardening Behavior in Diffusion Zone of Feâ€“Mn and Feâ€“Cr Binary Alloys Nitrocarburized after Cold Working. ISIJ International, 2022, 62, 209-217. | 0.6 | 1 |
| 5 | Age-Hardening Behavior in High-Nitrogen Stable Austenitic Stainless Steel. Materials Transactions, 2022, 63, 163-169. | 0.4 | 2 |
| 6 | Enhanced hardening by multiple microalloying in low carbon ferritic steels with interphase precipitation. Scripta Materialia, 2022, 212, 114558. | 2.6 | 11 |
| 7 | Nanosized Cr-N clustering in expanded austenite layer of low temperature plasma-nitrided Fe-35Ni-10Cr alloy. Scripta Materialia, 2022, 213, 114637. | 2.6 | 11 |
| 8 | Effect of Deformation Prior to Nitriding on Microstructure and Hardness Behavior in Plasma-Nitrided Ferritic Alloys. Materials Transactions, 2022, 63, 864-871. | 0.4 | 1 |
| 9 | Influence of Acicular Ferrite Microstructure on Toughness of Ti-Rare Earth Metal (REM)-Zr Killed Steel. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2022, 108, 295-305. | 0.1 | 2 |
| 10 | Multi-scale three-dimensional analysis on local arrestability of intergranular crack in high-strength martensitic steel. Acta Materialia, 2022, 234, 118053. | 3.8 | 9 |
| 11 | Nitrogen-Induced Phase Separation in Equiatomic FeNiCo Medium Entropy Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 3216-3223. | 1.1 | 3 |
| 12 | Microstructures and tensile properties of friction stir welded 0.2%Câ€“Siâ€“Mn steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140068. | 2.6 | 13 |
| 13 | Ferrite Transformation from Fe-0.3N Austenite. ISIJ International, 2021, 61, 343-349. | 0.6 | 2 |
| 14 | Effect of Alloying Elements on the High-Temperature Tempering of Fe-0.3N Martensite. Acta Materialia, 2021, 206, 116612. | 3.8 | 17 |
| 15 | Resistance to Temper Softening of Low Carbon Martensitic Steels by Microalloying of V, Nb and Ti. ISIJ International, 2021, 61, 1641-1649. | 0.6 | 10 |
| 16 | Role of cementite and retained austenite on austenite reversion from martensite and bainite in Fe-2Mn-1.5Si-0.3C alloy. Acta Materialia, 2021, 209, 116772. | 3.8 | 27 |
| 17 | Effects of Alloying Elements on Microstructure, Hardness and Growth Rate of Compound Layer in Gaseous-Nitrided Ferritic Alloys. Materials Transactions, 2021, 62, 596-602. | 0.4 | 5 |
| 18 | Effect of Deformation Temperature, Strain Rate, and Strain on the Microstructure Evolution of Ti-17 Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 3107-3121. | 1.1 | 2 |

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| 19 | Formation of abnormal nodular ferrite with interphase precipitation in a vanadium microalloyed low carbon steel. Scripta Materialia, 2021, 198, 113823. | 2.6 | 8 |
| 20 | Unraveling the effects of Nb interface segregation on ferrite transformation kinetics in low carbon steels. Acta Materialia, 2021, 215, 117081. | 3.8 | 25 |
| 21 | Current Understanding of Microstructure and Properties of Micro-Alloyed Low Carbon Steels Strengthened by Interphase Precipitation of Nano-Sized Alloy Carbides: A Review. Jom, 2021, 73, 3214-3227. | 0.9 | 8 |
| 22 | Solute cluster-induced precipitation and resultant surface hardening during nitriding of Feâ€“Alâ€“V alloys. Scripta Materialia, 2021, 203, 114121. | 2.6 | 11 |
| 23 | Improvement of Strengthâ€“Ductility Balance by the Simultaneous Increase in Ferrite and Martensite Strength in Dual-Phase Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 5394-5408. | 1.1 | 5 |
| 24 | Comparative Study of VC, NbC, and TiC Interphase Precipitation in Microalloyed Low-carbon Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 6149-6158. | 1.1 | 8 |
| 25 | A comparative study on intrinsic mobility of incoherent and semicoherent interfaces during the austenite to ferrite transformation. Scripta Materialia, 2020, 188, 59-63. | 2.6 | 20 |
| 26 | Resistance to Temper Softening of Low Carbon Martensitic Steels by Microalloying of V, Nb and Ti. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 362-371. | 0.1 | 1 |
| 27 | Chemical boundary engineering: A new route toward lean, ultrastrong yet ductile steels. Science Advances, 2020, 6, eaay1430. | 4.7 | 120 |
| 28 | Formation Mechanism of Coarse Austenite Grain during Hot Forging and Cooling in Case Hardening Steel. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2020, 106, 108-120. | 0.1 | 3 |
| 29 | Weak influence of ferrite growth rate and strong influence of driving force on dispersion of VC interphase precipitation in low carbon steels. Acta Materialia, 2020, 186, 533-544. | 3.8 | 18 |
| 30 | Microstructure formation during thermomechanical processing in Ti-17 alloy. MATEC Web of Conferences, 2020, 321, 12006. | 0.1 | 2 |
| 31 | Nano Clustering of Interstitial and Substitutional Solute Atoms in Steels. Materia Japan, 2020, 59, 128-133. | 0.1 | 3 |
| 32 | Lattice Strain and Strength Evaluation on V Microalloyed Pearlite Steel. ISIJ International, 2020, 60, 1810-1818. | 0.6 | 7 |
| 33 | Interaction of Alloying Elements with Migrating Ferrite/Austenite Interface. ISIJ International, 2020, 60, 2942-2953. | 0.6 | 19 |
| 34 | Phase transformation mechanisms during Quenching and Partitioning of a ductile cast iron. Acta Materialia, 2019, 179, 1-16. | 3.8 | 32 |
| 35 | Effect of Ferrite/Martensite Phase Size on Tensile Behavior of Dual-Phase Steels with Nano-Precipitation of Vanadium Carbides. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4111-4126. | 1.1 | 15 |
| 36 | Quantitative analysis of Mo solute drag effect on ferrite and bainite transformations in Fe-0.4C-0.5Mo alloy. Acta Materialia, 2019, 177, 187-197. | 3.8 | 42 |

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|---|---|---|---|
| 37 | Effects of Heating Rate on Formation of Globular and Acicular Austenite during Reversion from Martensite. Metals, 2019, 9, 266. | 1.0 | 12 |
| 38 | Roles of transformation interfaces in the design of advanced high strength steels. IOP Conference Series: Materials Science and Engineering, 2019, 580, 012005. | 0.3 | 3 |
| 39 | Surface Hardening and Precipitation Behaviors in Plasma-nitrided Fe-(2-x) at%Al-x at%Ti Alloys. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2019, 105, 324-333. | 0.1 | 3 |
| 40 | Atom Probe Compositional Analysis of Interphase Precipitated Nano-Sized Alloy Carbide in Multiple Microalloyed Low-Carbon Steels. Microscopy and Microanalysis, 2019, 25, 447-453. | 0.2 | 14 |
| 41 | Effect of Forging Temperature on Microstructure Evolution and Tensile Properties of Ti-17 Alloys. Materials Transactions, 2019, 60, 1733-1739. | 0.4 | 6 |
| 42 | Carbon enrichment during ferrite transformation in Fe-Si-C alloys. Acta Materialia, 2018, 149, 68-77. | 3.8 | 19 |
| 43 | Microstructure evolution during austenite reversion in Fe-Ni martensitic alloys. Acta Materialia, 2018, 144, 269-280. | 3.8 | 61 |
| 44 | Chemistry and three-dimensional morphology of martensite-austenite constituent in the bainite structure of low-carbon low-alloyÂsteels. Acta Materialia, 2018, 145, 154-164. | 3.8 | 76 |
| 45 | Orientation of austenite reverted from martensite in Fe-2Mn-1.5Si-0.3C alloy. Acta Materialia, 2018, 144, 601-612. | 3.8 | 87 |
| 46 | Lattice Strain and Strength Evaluation on V Microalloyed Pearlite Steel. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2018, 104, 673-682. | 0.1 | 3 |
| 47 | Randomization of Ferrite/austenite Orientation Relationship and Resultant Hardness Increment by Nitrogen Addition in Vanadium-microalloyed Low Carbon Steels Strengthened by Interphase Precipitation. ISIJ International, 2018, 58, 542-550. | 0.6 | 13 |
| 48 | Anisotropic Ferrite Growth and Substructure Formation during Bainite Transformation in Fe-9Ni-C Alloys: In-Situ Measurement. Materials Transactions, 2018, 59, 214-223. | 0.4 | 10 |
| 49 | Growth mode of austenite during reversion from martensite in Fe-2Mn-1.5Si-0.3C alloy: A transition in kinetics and morphology. Acta Materialia, 2018, 154, 1-13. | 3.8 | 77 |
| 50 | Analysis of the interaction between moving Î±/Î³ interfaces and interphase precipitated carbides during cyclic phase transformations in a Nb-containing Fe-C-Mn alloy. Acta Materialia, 2018, 158, 167-179. | 3.8 | 19 |
| 51 | Microstructure of reverted austenite in Fe-0.3N martensite. Scripta Materialia, 2018, 156, 85-89. | 2.6 | 11 |
| 52 | Three-dimensional atom probe analysis of boron segregation at austenite grain boundary in a low carbon steel - Effects of boundary misorientation and quenching temperature. Scripta Materialia, 2018, 154, 168-171. | 2.6 | 51 |
| 53 | Variant selection in grain boundary nucleation of bainite in Fe-2Mn-C alloys. Acta Materialia, 2017, 127, 368-378. | 3.8 | 59 |
| 54 | Quantitative measurements of phase equilibria at migrating Î±/Î³ interface and dispersion of VC interphase precipitates: Evaluation of driving force for interphase precipitation. Acta Materialia, 2017, 128, 166-175. | 3.8 | 52 |

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| 55 | Crystallography and Interphase Boundary of Martensite and Bainite in Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 2739-2752. | 1.1 | 22 |
| 56 | A quantitative investigation of the effect of Mn segregation on microstructural properties of quenching and partitioning steels. Scripta Materialia, 2017, 137, 27-30. | 2.6 | 40 |
| 57 | Banding effects on the process of grain refinement by cold deformation and recrystallization of acicular C-Mn steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 697, 1-7. | 2.6 | 8 |
| 58 | Grain Refinement by Cyclic Displacive Forward/Reverse Transformation in Fe-High-Ni Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4204-4210. | 1.1 | 5 |
| 59 | Incomplete bainite transformation in Fe-Si-C alloys. Acta Materialia, 2017, 133, 1-9. | 3.8 | 48 |
| 60 | Three-dimensional observations of morphology of low-angle boundaries in ultra-low carbon lath martensite. Journal of Electron Microscopy, 2017, 66, 380-387. | 0.9 | 9 |
| 61 | Analysis of Recrystallization Behavior of Hot-Deformed Austenite Reconstructed from EBSD Orientation Maps of Lath Martensite. Materials Science Forum, 2016, 879, 2389-2394. | 0.3 | 0 |
| 62 | Analysis of the mechanical behavior of a 0.3C-1.6Si-3.5Mn(wt%) quenching and partitioning steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 677, 505-514. | 2.6 | 59 |
| 63 | Precipitation Modeling in Nitriding in Fe-M Binary System. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4970-4978. | 1.1 | 1 |
| 64 | Interaction of carbon partitioning, carbide precipitation and bainite formation during the Q&P process in a low C steel. Acta Materialia, 2016, 104, 72-83. | 3.8 | 166 |
| 65 | Formation of grain boundary ferrite in eutectoid and hypereutectoid pearlitic steels. Acta Materialia, 2016, 103, 370-381. | 3.8 | 50 |
| 66 | Analysis of recrystallization behavior of hot-deformed austenite reconstructed from electron backscattering diffraction orientation maps of lath martensite. Scripta Materialia, 2016, 112, 92-95. | 2.6 | 25 |
| 67 | Improvement of Strength and Ductility of Steels Using Nano-precipitation. Materia Japan, 2015, 54, 3-11. | 0.1 | 8 |
| 68 | Crystallographic Restriction in Martensite and Bainite Transformations in Steels. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 339-347. | 0.2 | 21 |
| 69 | Surface Hardening and Nitride Precipitation in the Nitriding of Fe-M1-M2 Ternary Alloys Containing Al, V, or Cr. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 5011-5020. | 1.1 | 19 |
| 70 | Tensile Behavior of Ferrite-martensite Dual Phase Steels with Nano-precipitation of Vanadium Carbides. ISIJ International, 2015, 55, 1781-1790. | 0.6 | 55 |
| 71 | Carbon partitioning during quenching and partitioning heat treatment accompanied by carbide precipitation. Acta Materialia, 2015, 86, 137-147. | 3.8 | 194 |
| 72 | Fe-Fe3C binary phase diagram in high magnetic fields. Journal of Alloys and Compounds, 2015, 632, 251-255. | 2.8 | 25 |

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| 73 | Direct measurement of carbon enrichment in the incomplete bainite transformation in Mo added low carbon steels. Acta Materialia, 2015, 91, 10-18. | 3.8 | 63 |
| 74 | Carbon Enrichment in Austenite During Bainite Transformation in Fe-3Mn-C Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1544-1549. | 1.1 | 19 |
| 75 | Effects of Mo on Carbon Enrichment During Proeutectoid Ferrite Transformation in Hypoeutectoid Fe-C-Mn Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 2347-2351. | 1.1 | 13 |
| 76 | Effects of transformation temperature on VC interphase precipitation and resultant hardness in low-carbon steels. Acta Materialia, 2015, 84, 375-384. | 3.8 | 89 |
| 77 | Stressâ€“strain behavior of ferrite and bainite with nano-precipitation in low carbon steels. Acta Materialia, 2015, 83, 383-396. | 3.8 | 297 |
| 78 | Thermomechanical Processing of Steel â€“Past, Present and Futureâ€“. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2014, 100, 1062-1075. | 0.1 | 29 |
| 79 | Erratum to â€œTensile Behavior of Ti,Mo-added Low Carbon Steels with Interphase Precipitationâ€•[ISIJ Int. 54(1): 212-221 (2014)]. ISIJ International, 2014, 54, 474-474. | 0.6 | 4 |
| 80 | Effects of Pre-tempering on Intercritical Annealing in Fe-2Mn-0.3C Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 5290-5294. | 1.1 | 14 |
| 81 | Characterization of Transformation Stasis in Low-Carbon Steels Microalloyed with B and Mo. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 5990-5996. | 1.1 | 20 |
| 82 | Plasma Nitriding Behavior of Fe-C-M (MÂ=ÂAl, Cr, Mn, Si) Ternary Martensitic Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 239-249. | 1.1 | 18 |
| 83 | Tensile Behavior of Ti,Mo-added Low Carbon Steels with Interphase Precipitation. ISIJ International, 2014, 54, 212-221. | 0.6 | 125 |
| 84 | Volume Fractions of Proeutectoid Ferrite/Pearlite and Their Dependence on Prior Austenite Grain Size in Hypoeutectoid Fe-Mn-C Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 5456-5467. | 1.1 | 16 |
| 85 | Crystallographic Analysis of Proeutectoid Ferrite/Austenite Interface and Interphase Precipitation of Vanadium Carbide in Medium-Carbon Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 3436-3443. | 1.1 | 50 |
| 86 | Direct measurement of carbon enrichment during austenite to ferrite transformation in hypoeutectoid Feâ€“2Mnâ€“C alloys. Acta Materialia, 2013, 61, 3120-3129. | 3.8 | 81 |
| 87 | Quantitative analysis of three-dimensional morphology of martensite packets and blocks in iron-carbon-manganese steels. Journal of Alloys and Compounds, 2013, 577, S587-S592. | 2.8 | 40 |
| 88 | Variant selection of lath martensite and bainite transformation in low carbon steel by ausforming. Journal of Alloys and Compounds, 2013, 577, S528-S532. | 2.8 | 47 |
| 89 | Effects of Î±/Î³ orientation relationship on VC interphase precipitation in low-carbon steels. Scripta Materialia, 2013, 69, 17-20. | 2.6 | 68 |
| 90 | Microstructural evaluation of austenite reversion during intercritical annealing of Feâ€“Niâ€“Mn martensitic steel. Journal of Alloys and Compounds, 2013, 577, S572-S577. | 2.8 | 36 |

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| 91 | Excess Carbon Enrichment in Austenite During Intercritical Annealing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4872-4875. | 1.1 | 18 |
| 92 | Effect of Titanium Carbide Inclusions on Morphology of Low-Carbon Steel Martensite. Materials Science Forum, 2013, 738-739, 25-30. | 0.3 | 6 |
| 93 | Tensile Behavior of Ti,Mo-Added Low Carbon Steels with Interphase Boundary Precipitated Structures. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2013, 99, 352-361. | 0.1 | 6 |
| 94 | Comparison of Variant Selection between Lenticular and Lath Martensite Transformed from Deformed Austenite. ISIJ International, 2013, 53, 915-919. | 0.6 | 12 |
| 95 | Strengthening of Steels by Nano-sized Precipitation. Journal of the Japan Society for Technology of Plasticity, 2013, 54, 873-876. | 0.0 | 0 |
| 96 | Effects of Ferrite Growth Rate on Interphase Boundary Precipitation in V Microalloyed Steels. ISIJ International, 2012, 52, 616-625. | 0.6 | 40 |
| 97 | Microstructure of Pure Iron Treated by Nitriding and Quenching Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2012, 76, 256-264. | 0.2 | 10 |
| 98 | Effect of carbon content on variant pairing of martensite in Feâ€“C alloys. Acta Materialia, 2012, 60, 7265-7274. | 3.8 | 161 |
| 99 | Quantitative measurement of carbon content in Feâ€“C binary alloys by atom probe tomography. Scripta Materialia, 2012, 67, 999-1002. | 2.6 | 41 |
| 100 | Model for Predicting Phase Transformation and Yield Strength of Vanadium Microalloyed Carbon Steels. ISIJ International, 2012, 52, 669-678. | 0.6 | 3 |
| 101 | Quantitative analysis of variant selection in ausformed lath martensite. Acta Materialia, 2012, 60, 1139-1148. | 3.8 | 108 |
| 102 | Effects of transformation temperature on variant pairing of bainitic ferrite in low carbon steel. Acta Materialia, 2012, 60, 2387-2396. | 3.8 | 264 |
| 103 | Variant selection of lenticular martensite by ausforming. Scripta Materialia, 2012, 67, 324-327. | 2.6 | 22 |
| 104 | Precipitation of nanosized nitrides in plasma nitrided Feâ€“M (Mâ€Š=â€ŠAl, Cr, Ti, V) alloys. Materials Science and Technology, 2011, 27, 742-746. | 0.8 | 34 |
| 105 | Microstructure and Mechanical Properties of Austempered Medium Carbon Steels. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2011, 97, 26-33. | 0.1 | 4 |
| 106 | Interphase Precipitation of VC and Resultant Hardening in V-added Medium Carbon Steels. ISIJ International, 2011, 51, 1733-1739. | 0.6 | 77 |
| 107 | Reconstruction of Parent Austenite Grain Structure Based on Crystal Orientation Map of Bainite with and without Ausforming. ISIJ International, 2011, 51, 1174-1178. | 0.6 | 33 |
| 108 | Kinetics of Reverse Transformation from Pearlite to Austenite in an Fe-0.6ÂMassÂpct C Alloy and the Effects of Alloying Elements. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1586-1596. | 1.1 | 33 |

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| 109 | Visible light response of nitrogen and sulfur co-doped TiO2 photocatalysts fabricated by anodic oxidation. Catalysis Today, 2011, 164, 399-403. | 2.2 | 26 |
| 110 | Microstructures and mechanical properties of metastable Tiâ€“30Zrâ€“(Cr, Mo) alloys with changeable Youngâ€™s modulus for spinal fixation applications. Acta Biomaterialia, 2011, 7, 3230-3236. | 4.1 | 119 |
| 111 | Crystallography of Martensitic and Bainitic Transformation in Steels. Materia Japan, 2010, 49, 332-336. | 0.1 | 6 |
| 112 | Effects of Mn, Si and Cr addition on reverse transformation at 1073K from spheroidized cementite structure in Feâ€“0.6 mass% C alloy. Acta Materialia, 2010, 58, 4492-4502. | 3.8 | 97 |
| 113 | Mapping the parent austenite orientation reconstructed from the orientation of martensite by EBSD and its application to ausformed martensite. Acta Materialia, 2010, 58, 6393-6403. | 3.8 | 233 |
| 114 | Effects of Si and Cr on Bainite Microstructure of Medium Carbon Steels. ISIJ International, 2010, 50, 1476-1482. | 0.6 | 42 |
| 115 | Effects of Si and Cr on Bainite Microstructure of Medium Carbon Steels. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2010, 96, 392-399. | 0.1 | 6 |
| 116 | Formation of Martensite Austenite Constituent in Continuously Cooled Nb-Bearing Low Carbon Steels. Materials Science Forum, 2010, 638-642, 3080-3085. | 0.3 | 4 |
| 117 | Hot Deformation Behavior of Near-Î± Ti-Fe Alloy in (Î±+Î²) Two-Phase Region with Different Fe Content. Materials Science Forum, 2010, 638-642, 310-314. | 0.3 | 0 |
| 118 | Alloying Effects on Reverse Transformation to Austenite from Pearlite or Tempered Martensite Structures. Materials Science Forum, 2010, 638-642, 3400-3405. | 0.3 | 2 |
| 119 | Incomplete transformation of upper bainite in Nb bearing low carbon steels. Materials Science and Technology, 2010, 26, 392-397. | 0.8 | 35 |
| 120 | EFFECTS OF Mn AND Si ADDITIONS ON PEARLITE--AUSTENITE PHASE TRANSFORMATION IN Fe--0.6C STEEL. Jinshu Xuebao/Acta Metallurgica Sinica, 2010, 46, 1066-1074. | 0.3 | 4 |
| 121 | Nucleation of austenite from pearlitic structure in an Feâ€“0.6Câ€“1Cr alloy. Scripta Materialia, 2009, 60, 485-488. | 2.6 | 51 |
| 122 | Accurate measurement of the orientation relationship of lath martensite and bainite by electron backscatter diffraction analysis. Scripta Materialia, 2009, 60, 1113-1116. | 2.6 | 198 |
| 123 | Microstructure evolution during deformation of a near-Î± titanium alloy with different initial structures in the two-phase region. Scripta Materialia, 2009, 61, 419-422. | 2.6 | 63 |
| 124 | Precise measurement of strain accommodation in austenite matrix surrounding martensite in ferrous alloys by electron backscatter diffraction analysis. Acta Materialia, 2009, 57, 1120-1131. | 3.8 | 174 |
| 125 | Effects of Pre-exsisting Boundaries on Microstructure Obtained by Plasma-nitriding of Feâ€“18%Cr Alloy. ISIJ International, 2009, 49, 1801-1805. | 0.6 | 2 |
| 126 | Variant Selection in Grain Boundary Nucleation of Upper Bainite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1003-1013. | 1.1 | 97 |

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| 127 | Formation of ultrafine grained ferrite by warm deformation of lath martensite in low-alloy steels with different carbon content. Scripta Materialia, 2008, 59, 279-281. | 2.6 | 42 |
| 128 | Formation of Ultrafine Grained Ferrite by Warm Deformation of Tempered Lath Martensite in Low Alloy Steels. Materials Science Forum, 2007, 558-559, 557-562. | 0.3 | 9 |
| 129 | Microstructure and Growth Kinetics of Nitrided Zone in Plasma-nitrided Feâ€“Cr Alloys. ISIJ International, 2007, 47, 1491-1496. | 0.6 | 6 |
| 130 | Effect of partitioning of Mn and Si on the growth kinetics of cementite in tempered Feâ€“0.6 mass% C martensite. Acta Materialia, 2007, 55, 5027-5038. | 3.8 | 186 |
| 131 | Microstructure in a plasma-nitrided Feâ€“18 mass% Cr alloy. Acta Materialia, 2006, 54, 4771-4779. | 3.8 | 50 |
| 132 | Precipitation in Plasma Nitrided Fe-M(M=Ti, V, Al) Alloys. Materials Science Forum, 2005, 492-493, 539-544. | 0.3 | 6 |
| 133 | Crystallography of intragranular ferrite formed on (MnS+V(C,N)) complex precipitate in austenite. Scripta Materialia, 2003, 48, 371-377. | 2.6 | 97 |
| 134 | Nucleation of Proeutectoid Ferrite on Complex Precipitates in Austenite. ISIJ International, 2003, 43, 1630-1639. | 0.6 | 98 |
| 135 | Multiphase Crystallography in the Nucleation of Intragranular Ferrite on MnS+V(C,N) Complex Precipitate in Austenite. ISIJ International, 2003, 43, 2028-2037. | 0.6 | 104 |
| 136 | Crystallography of Ferrite Nucleation at Austenite Grain Boundary in a Low Carbon Steel. Materials Science Forum, 0, 654-656, 7-10. | 0.3 | 10 |
| 137 | Key Factors in Grain Refinement of Martensite and Bainite. Materials Science Forum, 0, 638-642, 3044-3049. | 0.3 | 23 |
| 138 | Interphase Boundary Precipitation of VC Accompanying Ferrite and Pearlite Transformation in Medium Carbon Steels. Solid State Phenomena, 0, 172-174, 420-425. | 0.3 | 3 |
| 139 | Effects of Transformation Temperature on Variant Grouping of Bainitic Ferrite in Low Carbon Steel. Solid State Phenomena, 0, 172-174, 155-160. | 0.3 | 3 |
| 140 | Distribution of Dislocations in Nanostructured Bainite. Solid State Phenomena, 0, 172-174, 117-122. | 0.3 | 39 |
| 141 | Continuous Dynamic Recrystallization during Warm Deformation of Tempered Lath Martensite in a Medium Carbon Steel. Key Engineering Materials, 0, 508, 124-127. | 0.4 | 6 |
| 142 | Crystal Orientation Relationships among Acicular Ferrite, Oxide and the Austenite Matrix in a Steel Weld Metal. Materials Science Forum, 0, 1016, 1014-1018. | 0.3 | 0 |
| 143 | Effect of Alloying Elements on the High-Temperature Tempering of Fe-0.3N Martensite. SSRN Electronic Journal, 0, , . | 0.4 | 0 |