# Peter HedstrÃ¶m

List of Publications by Year
in descending order



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|---|---|---|---|
| 121 papers | 3,063 citations | 172207 29 h-index | 205818 48 g-index |
| 122 all docs | 122 docs citations | 122 times ranked | 2320 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of carbon content on variant pairing of martensite in Feâ€“C alloys. Acta Materialia, 2012, 60, 7265-7274. | 3.8 | 161 |
| 2 | Deformation Microstructure and Deformation-Induced Martensite in Austenitic Fe-Cr-Ni Alloys Depending on Stacking Fault Energy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 1-7. | 1.1 | 150 |
| 3 | An improved thermodynamic modeling of the Feâ€“Cr system down to zero kelvin coupled with key experiments. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2011, 35, 355-366. | 0.7 | 141 |
| 4 | Quantitative Evaluation of Spinodal Decomposition in Fe-Cr by Atom Probe Tomography and Radial Distribution Function Analysis. Microscopy and Microanalysis, 2013, 19, 665-675. | 0.2 | 96 |
| 5 | Microwave assisted combustion synthesis of nanocrystalline yttria and its powder characteristics. Powder Technology, 2009, 191, 309-314. | 2.1 | 92 |
| 6 | Combustion synthesis of Y2O3 and Ybâ€“Y2O3. Journal of Materials Processing Technology, 2008, 208, 415-422. | 3.1 | 82 |
| 7 | Stepwise transformation behavior of the strain-induced martensitic transformation in a metastable stainless steel. Scripta Materialia, 2007, 56, 213-216. | 2.6 | 72 |
| 8 | Load Partitioning and Strain-Induced Martensite Formation during Tensile Loading of a Metastable Austenitic Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2009, 40, 1039-1048. | 1.1 | 71 |
| 9 | <i>In situ</i> small-angle x-ray scattering study of nanostructure evolution during decomposition of arc evaporated TiAlN coatings. Applied Physics Letters, 2009, 94, . | 1.5 | 59 |
| 10 | Concurrent phase separation and clustering in the ferrite phase during low temperature stress aging of duplex stainless steel weldments. Acta Materialia, 2012, 60, 5818-5827. | 3.8 | 58 |
| 11 | The 475Â°C embrittlement in Feâ€“20Cr and Feâ€“20Crâ€“X (X=Ni, Cu, Mn) alloys studied by mechanical testing and atom probe tomography. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 574, 123-129. | 2.6 | 55 |
| 12 | Exploring the relationship between the microstructure and strength of fresh and tempered martensite in a maraging stainless steel Feâ€“15Crâ€“5Ni. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 745, 420-428. | 2.6 | 54 |
| 13 | Direct Observation that Bainite can Grow Below MS. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 4984-4988. | 1.1 | 53 |
| 14 | Nanostructure evolution and mechanical property changes during aging of a super duplex stainless steel at 300 Â°C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 647, 241-248. | 2.6 | 51 |
| 15 | Quantitative electron microscopy and physically based modelling of Cu precipitation in precipitation-hardening martensitic stainless steel 15-5 PH. Materials and Design, 2018, 143, 141-149. | 3.3 | 50 |
| 16 | Load partitioning between single bulk grains in a two-phase duplex stainless steel during tensile loading. Acta Materialia, 2010, 58, 734-744. | 3.8 | 49 |
| 17 | Micromechanics and microstructure evolution during in situ uniaxial tensile loading of TRIP-assisted duplex stainless steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 734, 281-290. | 2.6 | 48 |
| 18 | Synthesis and phase separation of (Ti,Zr)C. Acta Materialia, 2014, 66, 209-218. | 3.8 | 47 |

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|---|---|---|---|
| 19 | Microstructural evolution and superplastic behavior of a fine-grained Mgâ€“Gd alloy processed by constrained groove pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 754, 390-399. | 2.6 | 47 |
| 20 | High-Temperature Confocal Laser Scanning Microscopy Studies of Ferrite Formation in Inclusion-Engineered Steels: A Review. Jom, 2018, 70, 2283-2295. | 0.9 | 46 |
| 21 | Machine Learning to Predict the Martensite Start Temperature in Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 2081-2091. | 1.1 | 45 |
| 22 | A phase-field and electron microscopy study of phase separation in Feâ€“Cr alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 552-556. | 2.6 | 44 |
| 23 | On the three-dimensional structure of WC grains in cemented carbides. Acta Materialia, 2013, 61, 4726-4733. | 3.8 | 42 |
| 24 | A Transmission Electron Microscopy Study of Plate Martensite Formation in High-carbon Low Alloy Steels. Journal of Materials Science and Technology, 2013, 29, 373-379. | 5.6 | 40 |
| 25 | Microstructure development in a high-nickel austenitic stainless steel using EBSD during in situ tensile deformation. Materials Characterization, 2018, 135, 228-237. | 1.9 | 37 |
| 26 | Recent Developments of Crystallographic Analysis Methods in the Scanning Electron Microscope for Applications in Metallurgy. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 455-474. | 6.8 | 36 |
| 27 | Effect of heat treatment above the miscibility gap on nanostructure formation due to spinodal decomposition in Fe-52.85 at.%Cr. Acta Materialia, 2018, 145, 347-358. | 3.8 | 34 |
| 28 | Effect of Zn addition on dynamic recrystallization behavior of Mg-2Gd alloy during high-temperature deformation. Journal of Alloys and Compounds, 2019, 806, 1200-1206. | 2.8 | 34 |
| 29 | Spontaneous and Deformationâ€Induced Martensite in Austenitic Stainless Steels with Different Stability. Steel Research International, 2011, 82, 337-345. | 1.0 | 32 |
| 30 | A high-resolution analytical scanning transmission electron microscopy study of the early stages of spinodal decomposition in binary Feâ€“Cr. Materials Characterization, 2015, 109, 216-221. | 1.9 | 32 |
| 31 | Microstructure, texture, and strain-hardening behavior of extruded Mgâ€“Gdâ€“Zn alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 772, 138833. | 2.6 | 32 |
| 32 | Microstructure, grain size distribution and grain shape in WCâ€“Co alloys sintered at different carbon activities. International Journal of Refractory Metals and Hard Materials, 2014, 43, 205-211. | 1.7 | 31 |
| 33 | Comparing the deformation-induced martensitic transformation with the athermal martensitic transformation in Fe-Cr-Ni alloys. Journal of Alloys and Compounds, 2018, 766, 131-139. | 2.8 | 31 |
| 34 | Initial clustering â€“ a key factor for phase separation kinetics in Feâ€“Cr-based alloys. Scripta Materialia, 2014, 75, 62-65. | 2.6 | 30 |
| 35 | Effect of Zn content on the microstructural stability and grain growth kinetics of fine-grained extruded Mgâ€“Gdâ€“Zn alloys. Journal of Alloys and Compounds, 2020, 831, 154766. | 2.8 | 30 |
| 36 | A phase-field study of the physical concepts of martensitic transformations in steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 538, 173-181. | 2.6 | 29 |

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| --- | --- | --- | --- |
| 37 | Effect of carbon activity and powder particle size on WC grain coarsening during sintering of cemented carbides. International Journal of Refractory Metals and Hard Materials, 2014, 42, 30-35. | 1.7 | 29 |
| 38 | Effect of cooling rate after solution treatment on subsequent phase separation during aging of Fe-Cr alloys: A small-angle neutron scattering study. Acta Materialia, 2017, 134, 221-229. | 3.8 | 29 |
| 39 | Elastic strain evolution and Îµ-martensite formation in individual austenite grains during in situ loading of a metastable stainless steel. Materials Letters, 2008, 62, 338-340. | 1.3 | 28 |
| 40 | Self-organizing nanostructured lamellar (Ti,Zr)C â€" A superhard mixed carbide. International Journal of Refractory Metals and Hard Materials, 2015, 51, 25-28. | 1.7 | 28 |
| 41 | The experimental phase diagram study of the binary polyols system erythritol-xylitol. Solar Energy Materials and Solar Cells, 2018, 174, 248-262. | 3.0 | 27 |
| 42 | Precipitation of multiple carbides in martensitic CrMoV steels - experimental analysis and exploration of alloying strategy through thermodynamic calculations. Materialia, 2020, 9, 100630. | 1.3 | 27 |
| 43 | Microstructure and superplasticity of Mgâ€“2Gdâ€“xZn alloys processed by equal channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 808, 140921. | 2.6 | 26 |
| 44 | Cu precipitation-mediated formation of reverted austenite during ageing of a 15â€“5 PH stainless steel. Scripta Materialia, 2021, 202, 114007. | 2.6 | 26 |
| 45 | Ferrite Formation Dynamics and Microstructure Due to Inclusion Engineering in Low-Alloy Steels by Ti2O3 and TiN Addition. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 2133-2147. | 1.0 | 25 |
| 46 | Heat treatment, microstructure and mechanical properties of a Câ€“Mnâ€“Alâ€“P hot dip galvanizing TRIP steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 674, 151-157. | 2.6 | 25 |
| 47 | Structural Characterization of Phase Separation in Fe-Cr: A Current Comparison of Experimental Methods. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 5942-5952. | 1.1 | 25 |
| 48 | Microstructure of Martensite in Feâ€“Câ€“Cr and its Implications for Modelling of Carbide Precipitation during Tempering. ISIJ International, 2014, 54, 2649-2656. | 0.6 | 24 |
| 49 | Nanostructure, microstructure and mechanical properties of duplex stainless steels 25Cr-7 Ni and 22Cr-5Ni (wt.%) aged at 325â€¯Â°C. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 754, 512-520. | 2.6 | 24 |
| 50 | Investigation of Lath and Plate Martensite in a Carbon Steel. Solid State Phenomena, 0, 172-174, 61-66. | 0.3 | 23 |
| 51 | Combination of In Situ Microscopy and Calorimetry to Study Austenite Decomposition in Inclusion Engineered Steels. Steel Research International, 2016, 87, 10-14. | 1.0 | 23 |
| 52 | Quantitative modeling and experimental verification of carbide precipitation in a martensitic Feâ€"0.16wt%Câ€"4.0wt%Cr alloy. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2016, 53, 39-48. | 0.7 | 23 |
| 53 | Martensite formation during incremental cooling of Fe-Cr-Ni alloys: An in-situ bulk X-ray study of the grain-averaged and single-grain behavior. Scripta Materialia, 2017, 136, 124-127. | 2.6 | 22 |
| 54 | Mechanical Behavior of Fresh and Tempered Martensite in a CrMoV-Alloyed Steel Explained by Microstructural Evolution and Strength Modeling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5077-5087. | 1.1 | 22 |

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|---|---|---|---|
| 55 | High-Resolution Microscopical Studies of Contact Killing Mechanisms on Copper-Based Surfaces. ACS Applied Materials & Interfaces, 2021, 13, 49402-49413. | 4.0 | 22 |
| 56 | Early stages of spinodal decomposition in Feâ€“Cr resolved by in-situ small-angle neutron scattering. Applied Physics Letters, 2015, 106, 061911. | 1.5 | 20 |
| 57 | Effect of Heat Treatment on Microstructure and Mechanical Properties of Ti-alloyed Hypereutectic High Chromium Cast Iron. ISIJ International, 2012, 52, 2288-2294. | 0.6 | 19 |
| 58 | Predicting strain-induced martensite in austenitic steels by combining physical modelling and machine learning. Materials and Design, 2021, 197, 109199. | 3.3 | 19 |
| 59 | Langerâ€“Schwartzâ€“Kampmannâ€“Wagner precipitation simulations: assessment of models and materials design application for Cu precipitation in PH stainless steels. Journal of Materials Science, 2021, 56, 2650-2671. | 1.7 | 19 |
| 60 | On the Symmetry Among the Diffusional Transformation Products of Austenite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1558-1574. | 1.1 | 18 |
| 61 | Tailoring the texture of an extruded Mg sheet through constrained groove pressing for achieving low mechanical anisotropy and high yield strength. Scripta Materialia, 2020, 186, 253-258. | 2.6 | 18 |
| 62 | Effect of Solute Silicon on the Lattice Parameter of Ferrite in Ductile Irons. ISIJ International, 2014, 54, 248-250. | 0.6 | 17 |
| 63 | Direct atom probe tomography observations of concentration fluctuations in Feâ€“Cr solid solution. Scripta Materialia, 2015, 98, 13-15. | 2.6 | 17 |
| 64 | Effect of solution treatment on spinodal decomposition during aging of an Fe-46.5 at.% Cr alloy. Journal of Materials Science, 2017, 52, 326-335. | 1.7 | 17 |
| 65 | Dynamic Precipitation Behavior of Secondary M7C3 Carbides in Ti-alloyed High Chromium Cast Iron. ISIJ International, 2013, 53, 1237-1244. | 0.6 | 16 |
| 66 | Microstructure evolution during phase separation in Ti-Zr-C. International Journal of Refractory Metals and Hard Materials, 2016, 61, 238-248. | 1.7 | 16 |
| 67 | EBSD analysis of surface and bulk microstructure evolution during interrupted tensile testing of a Fe-19Cr-12Ni alloy. Materials Characterization, 2018, 141, 8-18. | 1.9 | 16 |
| 68 | A Microstructural Investigation of Athermal and Deformation-induced Martensite in Fe-Cr-Ni Alloys. Materials Today: Proceedings, 2015, 2, S687-S690. | 0.9 | 15 |
| 69 | A Thermodynamic-Based Model to Predict the Fraction of Martensite in Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 4404-4410. | 1.1 | 15 |
| 70 | Microstructure evolution during tempering of martensitic Feâ€“Câ€“Cr alloys at 700Â°C. Journal of Materials Science, 2018, 53, 6939-6950. | 1.7 | 15 |
| 71 | Porosity and shape of airborne wear microparticles generated by sliding contact between a low-metallic friction material and a cast iron. Journal of Aerosol Science, 2017, 113, 130-140. | 1.8 | 14 |
| 72 | A comparative study of microstructure and magnetic properties of a Ni Fe cemented carbide: Influence of carbon content. International Journal of Refractory Metals and Hard Materials, 2019, 80, 181-187. | 1.7 | 14 |

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| 73 | A generic and extensible model for the martensite start temperature incorporating thermodynamic data mining and deep learning framework. Journal of Materials Science and Technology, 2022, 128, 31-43. | 5.6 | 14 |
| 74 | Reverse Martensitic Transformation and Resulting Microstructure in a Cold Rolled Metastable Austenitic Stainless Steel. Steel Research International, 2008, 79, 433-439. | 1.0 | 13 |
| 75 | Modelling of the Fraction of Martensite in Low-alloy Steels. Materials Today: Proceedings, 2015, 2, S561-S564. | 0.9 | 13 |
| 76 | Correlating temperature-dependent stacking fault energy and in-situ bulk deformation behavior for a metastable austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142403. | 2.6 | 13 |
| 77 | Early stages of cementite precipitation during tempering of 1Câ€“1Cr martensitic steel. Journal of Materials Science, 2019, 54, 9222-9234. | 1.7 | 11 |
| 78 | Quantum Rodâ€Sensitized Solar Cells. ChemSusChem, 2011, 4, 1741-1744. | 3.6 | 10 |
| 79 | Effect of synthesis temperature and aging on the microstructure and hardness of Ti-Zr-C. International Journal of Refractory Metals and Hard Materials, 2018, 73, 99-105. | 1.7 | 10 |
| 80 | Effect of carbon content on the Curie temperature of WC-NiFe cemented carbides. International Journal of Refractory Metals and Hard Materials, 2019, 78, 27-31. | 1.7 | 10 |
| 81 | In-Situ High-Energy X-ray Diffraction Study of Austenite Decomposition During Rapid Cooling and Isothermal Holding in Two HSLA Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1812-1825. | 1.1 | 9 |
| 82 | Effect of Si on bainitic transformation kinetics in steels explained by carbon partitioning, carbide formation, dislocation densities, and thermodynamic conditions. Materials Characterization, 2022, 185, 111774. | 1.9 | 9 |
| 83 | Small-angle neutron scattering quantification of phase separation and the corresponding embrittlement of a super duplex stainless steel after long-term aging at 300Â°C. Materialia, 2020, 12, 100771. | 1.3 | 8 |
| 84 | On coarsening of cementite during tempering of martensitic steels. Materials Science and Technology, 2020, 36, 887-893. | 0.8 | 8 |
| 85 | On the role of transmission electron microscopy for precipitation analysis in metallic materials. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 388-414. | 6.8 | 8 |
| 86 | Influence of alloying elements on Ni distribution in PM steels. Powder Metallurgy, 2014, 57, 111-118. | 0.9 | 7 |
| 87 | In Situ Bulk Observations and Ab Initio Calculations Revealing the Temperature Dependence of Stacking Fault Energy in Feâ€“Crâ€“Ni Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 5357-5366. | 1.1 | 7 |
| 88 | Experimental study of the Î³-surface of austenitic stainless steels. Acta Materialia, 2019, 173, 34-43. | 3.8 | 6 |
| 89 | Effect of Tempering on the Bainitic Microstructure Evolution Correlated with the Hardness in a Low-Alloy Medium-Carbon Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 6470-6481. | 1.1 | 6 |
| 90 | Initial atmospheric corrosion studies of copper from macroscale to nanoscale in a simulated indoor atmospheric environment. Corrosion Science, 2022, 195, 109995. | 3.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 91 | Evaluating magnetic properties of composites from model alloys â€“ Application to alternative binder cemented carbides. Scripta Materialia, 2019, 168, 96-99. | 2.6 | 5 |
| 92 | Revealing the Unexpected Two Variant Pairing Shifts Due to Temperature Change in a Single Bainitic Medium Carbon Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 4546-4557. | 1.1 | 5 |
| 93 | Quantification of nano-scale interface structures to guide mechanistic modelling of WC grain coarsening inhibition in V-doped hard metals. Materials and Design, 2021, 207, 109825. | 3.3 | 5 |
| 94 | Quantitative Nanostructure and Hardness Evolution in Duplex Stainless Steels: Under Real Low-Temperature Service Conditions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 723-735. | 1.1 | 5 |
| 95 | Revealing the interdependence of microstructure evolution, micromechanics and macroscopic mechanical behavior of multi-phase medium Mn steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 839, 142857. | 2.6 | 5 |
| 96 | Observations of copper clustering in a 25Cr-7Ni super duplex stainless steel during low-temperature aging under load. Philosophical Magazine Letters, 0, , 1-8. | 0.5 | 4 |
| 97 | Cu redistribution during sintering of Feâ€“2Cu and Feâ€“2Cuâ€“0Â·5C compacts. Powder Metallurgy, 2014, 57, 373-379. | 0.9 | 4 |
| 98 | Liquid Phase Sintering of (Ti,Zr)C with WC-Co. Materials, 2017, 10, 57. | 1.3 | 4 |
| 99 | Very-small angle neutron scattering study on grain coarsening inhibition by V-doping of WC-Co composites. Scripta Materialia, 2019, 173, 106-109. | 2.6 | 4 |
| 100 | Continuum plasticity modelling of work hardening for precipitation-hardened martensitic steel guided by atom probe tomography. Materials and Design, 2022, 215, 110463. | 3.3 | 4 |
| 101 | Design, synthesis, structure, and stability of novel multi-principal element (Ti,Zr,Hf,W)C ceramic with a miscibility gap. Journal of the European Ceramic Society, 2022, 42, 4429-4435. | 2.8 | 4 |
| 102 | Carbide Precipitation during Processing of Two Low-Alloyed Martensitic Tool Steels with 0.11 and 0.17 V/Mo Ratios Studied by Neutron Scattering, Electron Microscopy and Atom Probe. Metals, 2022, 12, 758. | 1.0 | 4 |
| 103 | Effect of Cooling Rate after Solution Treatment on Subsequent Phase Separation Evolution in Super Duplex Stainless Steel 25Cr-7Ni (wt.%). Metals, 2022, 12, 890. | 1.0 | 4 |
| 104 | Early Martensitic Transformation in a 0.74Câ€“1.15Mnâ€“1.08Cr High Carbon Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 3034-3043. | 1.1 | 4 |
| 105 | Small-angle neutron scattering study on phase separation in a super duplex stainless steel at 300 Â°C â€“ Comparing hot-rolled and TIG welded material. Materials Characterization, 2022, 190, 112044. | 1.9 | 4 |
| 106 | Prediction of Influences of Co, Ni, and W Elements on Carbide Precipitation Behavior in Feâ€“Câ€“Vâ€“Crâ€“Mo Based High Speed Steels. Steel Research International, 2018, 89, 1800172. | 1.0 | 3 |
| 107 | Nuclear and magnetic small-angle neutron scattering in self-organizing nanostructured Fe1âˆ'Cr alloys. Materials Characterization, 2020, 164, 110347. | 1.9 | 3 |
| 108 | Formation of Dislocations and Stacking Faults in Embedded Individual Grains during In Situ Tensile Loading of an Austenitic Stainless Steel. Materials, 2021, 14, 5919. | 1.3 | 3 |

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|---|---|---|---|
| 109 | Evolution of Residual Strains in Metastable Austenitic Stainless Steels and the Accompanying Strain Induced Martensitic Transformation. Materials Science Forum, 2006, 524-525, 821-826. | 0.3 | 2 |
| 110 | Residual Stress Evolution during Decomposition of Ti<sub>(1-x)</sub>Al<sub>(x)</sub>N Coatings Using High-Energy X-Rays. Materials Science Forum, 2006, 524-525, 619-624. | 0.3 | 2 |
| 111 | Precision Thermal Treatments, Atom Probe Characterization, and Modeling to Describe the Fe-Cr Metastable Miscibility Gap. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1453-1464. | 1.1 | 2 |
| 112 | On the Three-Dimensional Microstructure of Martensite in Carbon Steels. , 2012, , 19-24. | | 2 |
| 113 | 3D Analysis of Phase Separation in Ferritic Stainless Steels. , 2012, , 221-226. | | 2 |
| 114 | Nanostructure in Fe0.65Cr0.35 close to the upper limit of the miscibility gap. Scripta Materialia, 2020, 180, 62-65. | 2.6 | 2 |
| 115 | Effect of Stress on Spinodal Decomposition in Binary Alloys: Atomistic Modeling and Atom Probe Tomography. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 0, , 1. | 1.1 | 2 |
| 116 | A transmission electron microscopy study of discontinuous precipitation in the high misfit system (Ti,Zr)C. Materials Today Communications, 2020, 25, 101281. | 0.9 | 1 |
| 117 | An Experimental Assessment of the Î± + Î±â€™ Miscibility Gap in Fe-Cr. Minerals, Metals and Materials Series, 2017, , 711-718. | 0.3 | 1 |
| 118 | Nonlinearity in mass spectrometry for quantitative multi-component gas analysis in reaction processes. Analytica Chimica Acta, 2022, 1194, 339412. | 2.6 | 1 |
| 119 | Behaviour of master alloy during sintering of PM steels: redistribution and dimensional variations. Powder Metallurgy, 2015, 58, 133-141. | 0.9 | 0 |
| 120 | On the Three-Dimensional Microstructure of Martensite in Carbon Steels. , 0, , 19-24. | | 0 |
| 121 | 3D Analysis of Phase Separation in Ferritic Stainless Steels. , 0, , 221-226. | | 0 |