

Sergey V Zherebtsov

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140
papers

3,867
citations

33
h-index

59
g-index

145
ext. papers

4,824
ext. citations

3.4
avg, IF

5.89
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 140 | Spheroidization of the lamellar microstructure in Ti6Al4V alloy during warm deformation and annealing. <i>Acta Materialia</i> , 2011 , 59, 4138-4150 | 8.4 | 280 |
| 139 | Effect of cryo-deformation on structure and properties of CoCrFeNiMn high-entropy alloy. <i>Intermetallics</i> , 2015 , 59, 8-17 | 3.5 | 259 |
| 138 | Production of submicrocrystalline structure in large-scale Ti6Al4V billet by warm severe deformation processing. <i>Scripta Materialia</i> , 2004 , 51, 1147-1151 | 5.6 | 179 |
| 137 | Microstructure evolution during warm working of Ti6Al4V with a colony- β microstructure. <i>Acta Materialia</i> , 2009 , 57, 2470-2481 | 8.4 | 167 |
| 136 | High temperature deformation behavior and dynamic recrystallization in CoCrFeNiMn high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 636, 188-195 | 5.3 | 156 |
| 135 | Formation of nanostructures in commercial-purity titanium via cryorolling. <i>Acta Materialia</i> , 2013 , 61, 1167-1178 | 8.4 | 130 |
| 134 | Effect of thermomechanical processing on microstructure and mechanical properties of the carbon-containing CoCrFeNiMn high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 693, 394-405 | 5.7 | 122 |
| 133 | Strength and ductility-related properties of ultrafine grained two-phase titanium alloy produced by warm multiaxial forging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 536, 190-196 | 5.3 | 115 |
| 132 | Microstructure evolution and mechanical behavior of ultrafine Ti6Al4V during low-temperature superplastic deformation. <i>Acta Materialia</i> , 2016 , 121, 152-163 | 8.4 | 110 |
| 131 | Second phase formation in the CoCrFeNiMn high entropy alloy after recrystallization annealing. <i>Materials Letters</i> , 2016 , 185, 1-4 | 3.3 | 103 |
| 130 | Structure and mechanical properties of B2 ordered refractory AlNbTiVZr _x (x = 0-1.5) high-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 704, 82-90 | 5.3 | 103 |
| 129 | Aging behavior of the HfNbTaTiZr high entropy alloy. <i>Materials Letters</i> , 2018 , 211, 87-90 | 3.3 | 92 |
| 128 | Mechanical Properties of Ti-6Al-4V Titanium Alloy with Submicrocrystalline Structure Produced by Severe Plastic Deformation. <i>Materials Transactions</i> , 2005 , 46, 2020-2025 | 1.3 | 85 |
| 127 | Evolution of grain and subgrain structure during cold rolling of commercial-purity titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 3474-3479 | 5.3 | 78 |
| 126 | Loss of coherency of the alpha/beta interface boundary in titanium alloys during deformation. <i>Philosophical Magazine Letters</i> , 2010 , 90, 903-914 | 1 | 73 |
| 125 | Novel Fe36Mn21Cr18Ni15Al10 high entropy alloy with bcc/B2 dual-phase structure. <i>Journal of Alloys and Compounds</i> , 2017 , 705, 756-763 | 5.7 | 70 |
| 124 | Effect of second phase particles on mechanical properties and grain growth in a CoCrFeMnNi high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 748, 228-235 | 5.3 | 65 |

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| 123 | Precipitation-strengthened refractory Al 0.5 CrNbTi 2 V 0.5 high entropy alloy. <i>Materials Letters</i> , 2017 , 188, 162-164 | 3.3 | 63 |
| 122 | Microstructure and Mechanical Properties Evolution of the Al, C-Containing CoCrFeNiMn-Type High-Entropy Alloy during Cold Rolling. <i>Materials</i> , 2017 , 11, | 3.5 | 61 |
| 121 | Laser beam welding of a CoCrFeNiMn-type high entropy alloy produced by self-propagating high-temperature synthesis. <i>Intermetallics</i> , 2018 , 96, 63-71 | 3.5 | 59 |
| 120 | Friction stir welding of a B-rbon-doped CoCrFeNiMn high-entropy alloy. <i>Materials Characterization</i> , 2018 , 145, 353-361 | 3.9 | 56 |
| 119 | Loss of coherency and interphase Δ angular deviation from the Burgers orientation relationship in a TiBAlV alloy compressed at 800 °C. <i>Journal of Materials Science</i> , 2013 , 48, 1100-1110 | 4.3 | 52 |
| 118 | Effect of carbon on cryogenic tensile behavior of CoCrFeMnNi-type high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 811, 152000 | 5.7 | 51 |
| 117 | Mechanical properties of a new high entropy alloy with a duplex ultra-fine grained structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 728, 54-62 | 5.3 | 45 |
| 116 | Effect of Al on structure and mechanical properties of Fe-Mn-Cr-Ni-Al non-equiatomic high entropy alloys with high Fe content. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 194-203 | 5.7 | 45 |
| 115 | Effect of Cr and Zr on phase stability of refractory Al-Cr-Nb-Ti-V-Zr high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2018 , 757, 403-414 | 5.7 | 43 |
| 114 | Microstructure evolution during warm working of TiBAlBMoBVCrFe at 600 and 800 °C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 563, 168-176 | 5.3 | 43 |
| 113 | Changes in misorientations of grain boundaries in titanium during deformation. <i>Materials Characterization</i> , 2010 , 61, 732-739 | 3.9 | 40 |
| 112 | Fatigue behaviour of a laser beam welded CoCrFeNiMn-type high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 766, 138358 | 5.3 | 36 |
| 111 | Influence of deformation on the Burgers orientation relationship between the α and β phases in TiBAlBMoBVCrFe. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 645, 292-297 | 5.3 | 36 |
| 110 | Effect of hydrostatic extrusion at 600-700 °C on the structure and properties of TiBAlV alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 485, 39-45 | 5.3 | 34 |
| 109 | Deformation behavior and microstructure evolution of a Ti/TiB metal-matrix composite during high-temperature compression tests. <i>Materials and Design</i> , 2016 , 112, 17-26 | 8.1 | 33 |
| 108 | Structure and high temperature mechanical properties of novel non-equiatomic Fe-(Co, Mn)-Cr-Ni-Al-(Ti) high entropy alloys. <i>Intermetallics</i> , 2018 , 102, 140-151 | 3.5 | 33 |
| 107 | Strengthening of a TiBAlV titanium alloy by means of hydrostatic extrusion and other methods. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 515, 43-48 | 5.3 | 31 |
| 106 | Recrystallized microstructures and mechanical properties of a C-containing CoCrFeNiMn-type high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 740-741, 201-210 | 5.3 | 31 |

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| 105 | Evolution of microstructure and mechanical properties of Ti/TiB metal-matrix composite during isothermal multiaxial forging. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 840-848 | 5.7 | 30 |
| 104 | Effect of nitrogen on mechanical properties of CoCrFeMnNi high entropy alloy at room and cryogenic temperatures. <i>Journal of Alloys and Compounds</i> , 2020 , 849, 156633 | 5.7 | 30 |
| 103 | Hot deformation behavior and processing maps of B and Gd containing solidified TiAl based alloy. <i>Intermetallics</i> , 2018 , 94, 138-151 | 3.5 | 29 |
| 102 | Effect of severe plastic deformation on creep behaviour of a TiBAl _{0.5} V alloy. <i>Journal of Materials Science</i> , 2013 , 48, 4789-4795 | 4.3 | 28 |
| 101 | Effect of equal channel angular pressing on grain refinement and texture evolution in a biomedical alloy Ti13Nb13Zr. <i>Materials Characterization</i> , 2013 , 82, 73-85 | 3.9 | 28 |
| 100 | Evolution of Microstructure and Mechanical Properties of a CoCrFeMnNi High-Entropy Alloy during High-Pressure Torsion at Room and Cryogenic Temperatures. <i>Metals</i> , 2018 , 8, 123 | 2.3 | 26 |
| 99 | Grain-structure development in heavily cold-rolled alpha-titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 607, 145-154 | 5.3 | 26 |
| 98 | Formation of submicrocrystalline structure in titanium and titanium alloys and their mechanical properties. <i>Metal Science and Heat Treatment</i> , 2006 , 48, 63-69 | 0.6 | 25 |
| 97 | Orientation relationship in a Ti/TiB metal-matrix composite. <i>Materials Letters</i> , 2017 , 186, 168-170 | 3.3 | 24 |
| 96 | Structure and properties of hydrostatically extruded commercially pure titanium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 5596-5603 | 5.3 | 24 |
| 95 | Effect of carbon on recrystallised microstructures and properties of CoCrFeMnNi-type high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2021 , 851, 156839 | 5.7 | 22 |
| 94 | Microstructure evolution of a novel low-density TiCrNbV refractory high entropy alloy during cold rolling and subsequent annealing. <i>Materials Characterization</i> , 2019 , 158, 109980 | 3.9 | 21 |
| 93 | Microstructure and texture evolution of a high manganese TWIP steel during cryo-rolling. <i>Materials Characterization</i> , 2017 , 132, 20-30 | 3.9 | 20 |
| 92 | Structure and mechanical properties of an in situ refractory Al ₂₀ Cr ₁₀ Nb ₁₅ Ti ₂₀ V ₂₅ Zr ₁₀ high entropy alloy composite. <i>Materials Letters</i> , 2020 , 264, 127372 | 3.3 | 19 |
| 91 | Structure and hardness of B2 ordered refractory AlNbTiVZr _{0.5} high entropy alloy after high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 716, 308-315 | 5.3 | 19 |
| 90 | Microstructure evolution of commercial-purity titanium during cryorolling. <i>Physics of Metals and Metallography</i> , 2015 , 116, 182-188 | 1.2 | 18 |
| 89 | The Influence of Grain Size on Twinning and Microstructure Refinement During Cold Rolling of Commercial-Purity Titanium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 5101-5113 | 2.3 | 18 |
| 88 | Brittle-to-ductile transition in a Ti/TiB metal-matrix composite. <i>Materials Letters</i> , 2017 , 187, 28-31 | 3.3 | 17 |

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|----|--|-----|----|
| 87 | Grain Refinement Kinetics in a Low Alloyed Cu-Cr-Zr Alloy Subjected to Large Strain Deformation. <i>Materials</i> , 2017 , 10, | 3.5 | 17 |
| 86 | Structures and mechanical properties of Ti-Nb-Cr-V-Ni-Al refractory high entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 786, 139409 | 5.3 | 17 |
| 85 | Mechanical behavior and thermal activation analysis of HfNbTaTiZr body-centered cubic high-entropy alloy during tensile deformation at 77 K. <i>Scripta Materialia</i> , 2020 , 188, 118-123 | 5.6 | 16 |
| 84 | Three-stage relationship between flow stress and dynamic grain size in titanium in a wide temperature interval. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 628, 104-109 | 5.3 | 15 |
| 83 | Formation of Submicrocrystalline Structure in Titanium and its Alloy under Severe Plastic Deformation. <i>Defect and Diffusion Forum</i> , 2002 , 208-209, 237-240 | 0.7 | 15 |
| 82 | Exceptionally high strain-hardening and ductility due to transformation induced plasticity effect in Ti-rich high-entropy alloys. <i>Scientific Reports</i> , 2020 , 10, 13293 | 4.9 | 15 |
| 81 | Oxidation Behavior of Refractory AlNbTiVZr High-Entropy Alloy. <i>Materials</i> , 2018 , 11, | 3.5 | 15 |
| 80 | Gum-like mechanical behavior of a partially ordered Al5Nb24Ti40V5Zr26 high entropy alloy. <i>Intermetallics</i> , 2020 , 116, 106652 | 3.5 | 14 |
| 79 | Creep study of mechanisms involved in low-temperature superplasticity of UFG Ti-6Al-4V processed by SPD. <i>Materials Characterization</i> , 2016 , 116, 84-90 | 3.9 | 14 |
| 78 | A new refractory Ti-Nb-Hf-Al high entropy alloy strengthened by orthorhombic phase particles. <i>International Journal of Refractory Metals and Hard Materials</i> , 2020 , 92, 105322 | 4.1 | 13 |
| 77 | Microstructure and Mechanical Properties Evolution in HfNbTaTiZr Refractory High-Entropy Alloy During Cold Rolling. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000105 | 3.5 | 12 |
| 76 | Microband-induced plasticity in a Ti-rich high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2020 , 842, 155868 | 5.7 | 11 |
| 75 | Effect of Hot Rolling on the Microstructure and Mechanical Properties of a Ti-15Mo/TiB Metal-Matrix Composite. <i>Metals</i> , 2020 , 10, 40 | 2.3 | 11 |
| 74 | Low Temperature Superplasticity of Ti-6Al-4V Processed by Warm Multidirectional Forging. <i>Materials Science Forum</i> , 2012 , 735, 253-258 | 0.4 | 11 |
| 73 | Development of aluminum (Al5083)-clad ternary AgInCd alloy for JSNS decoupled moderator. <i>Journal of Nuclear Materials</i> , 2006 , 356, 300-307 | 3.3 | 11 |
| 72 | Design and characterization of eutectic refractory high entropy alloys. <i>Materialia</i> , 2021 , 16, 101057 | 3.2 | 11 |
| 71 | Influence of carbon on the mechanical behavior and microstructure evolution of CoCrFeMnNi processed by high pressure torsion. <i>Materialia</i> , 2021 , 16, 101059 | 3.2 | 11 |
| 70 | Mechanical Behavior and Microstructure Evolution of a Ti-15Mo/TiB Titanium Matrix Composite during Hot Deformation. <i>Metals</i> , 2019 , 9, 1175 | 2.3 | 11 |

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| 69 | Effect of High-Pressure Torsion on Structure and Microhardness of Ti/TiB Metal Matrix Composite. <i>Metals</i> , 2017 , 7, 507 | 2.3 | 10 |
| 68 | Effect of High-Pressure Torsion on Structure and Properties of Ti-15Mo/TiB Metal-Matrix Composite. <i>Materials</i> , 2018 , 11, | 3.5 | 10 |
| 67 | Plastic deformation of solid-solution strengthened Hf-Nb-Ta-Ti-Zr body-centered cubic medium/high-entropy alloys. <i>Scripta Materialia</i> , 2021 , 200, 113927 | 5.6 | 10 |
| 66 | Laser Beam Welding of a Low Density Refractory High Entropy Alloy. <i>Metals</i> , 2019 , 9, 1351 | 2.3 | 9 |
| 65 | The predicted rate-dependent deformation behaviour and multistage strain hardening in a model heterostructured body-centered cubic high entropy alloy. <i>International Journal of Plasticity</i> , 2021 , 145, 103073 | 7.6 | 9 |
| 64 | Effect of Multiaxial Forging on Structure Evolution and Mechanical Properties of Oxygen Free Copper. <i>Materials Science Forum</i> , 2010 , 667-669, 289-294 | 0.4 | 7 |
| 63 | Mechanical Properties of Ti6Al4V Titanium Alloy with Submicrocrystalline Structure Produced by Multiaxial Forging. <i>Materials Science Forum</i> , 2008 , 584-586, 783-788 | 0.4 | 7 |
| 62 | Oxidation resistance and thermal stability of a solidified TiAl based alloy after nitrogen ion implantation. <i>Corrosion Science</i> , 2020 , 177, 109003 | 6.8 | 7 |
| 61 | Dependence of the specific energy of the interface in the VT6 titanium alloy on the heating temperature in the interval 600-750°C. <i>Journal of Experimental and Theoretical Physics</i> , 2016 , 122, 705-715 | 1.5 | 7 |
| 60 | Creep behavior of an AlTiVNbZr _{0.25} high entropy alloy at 1073 K. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 783, 139291 | 5.3 | 6 |
| 59 | The effect of Gd addition on the kinetics of β - β' transformation in TiAl based alloys. <i>Intermetallics</i> , 2020 , 120, 106759 | 3.5 | 6 |
| 58 | Ultrafine-grained structure formation in Ti-6Al-4V alloy via warm swaging. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012070 | 0.4 | 6 |
| 57 | Efficiency of the strengthening of titanium and titanium alloys of various classes by the formation of an ultrafine-grained structure via severe plastic deformation. <i>Russian Metallurgy (Metally)</i> , 2012 , 2012, 969-974 | 0.5 | 6 |
| 56 | Use of Novel Welding Technologies for High-Entropy Alloys Joining. <i>Materials Science Forum</i> , 2018 , 941, 919-924 | 0.4 | 6 |
| 55 | Production, Properties and Application of Ultrafine-Grained Titanium Alloys. <i>Materials Science Forum</i> , 2016 , 838-839, 294-301 | 0.4 | 5 |
| 54 | Mechanical Behaviour and Microstructure Evolution of Severely Deformed Two-Phase Titanium Alloys. <i>Materials Science Forum</i> , 2008 , 584-586, 771-776 | 0.4 | 5 |
| 53 | Development of Submicrocrystalline Titanium Alloys Using "abc" Isothermal Forging. <i>Materials Science Forum</i> , 2004 , 447-448, 459-464 | 0.4 | 5 |
| 52 | Influence of Reversible Hydrogen Alloying on Formation of SMC Structure and Superplasticity of Titanium Alloys. <i>Materials Science Forum</i> , 2001 , 357-359, 315-320 | 0.4 | 5 |

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| 51 | Refractory high entropy alloy with ductile intermetallic B2 matrix / hard bcc particles and exceptional strain hardening capacity. <i>Materialia</i> , 2021 , 20, 101225 | 3.2 | 5 |
| 50 | Microstructure Evolution and Properties of Ti-6Al-4V Alloy Doped with Fe and Mo during Deformation at 800°C. <i>Defect and Diffusion Forum</i> , 2018 , 385, 144-149 | 0.7 | 4 |
| 49 | Twinning induced nanostructure formation during cryo-deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012157 | 0.4 | 4 |
| 48 | Structure and mechanical properties of a low-density AlCrFeTi medium entropy alloy produced by spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 795, 140018 | 5.3 | 4 |
| 47 | Laser Beam Welding of a Ti-15Mo/TiB Metal Matrix Composite. <i>Metals</i> , 2021 , 11, 506 | 2.3 | 4 |
| 46 | Mechanisms of the Reverse Martensite-to-Austenite Transformation in a Metastable Austenitic Stainless Steel. <i>Metals</i> , 2021 , 11, 599 | 2.3 | 4 |
| 45 | Advanced mechanical properties 2019 , 103-121 | | 4 |
| 44 | Evolution of Microstructure and Mechanical Behavior of Titanium During Warm Multiple Deformation 2013 , 123-132 | | 3 |
| 43 | Mechanical Properties of Ultrafine Grained Two-Phase Titanium Alloy Produced by β Cold Deformation. <i>Materials Science Forum</i> , 2012 , 706-709, 1859-1863 | 0.4 | 3 |
| 42 | Submicrocrystalline Structure Formation in Ti and Ti-6Al Alloy by Warm β Cold Deformation. <i>Materials Science Forum</i> , 2007 , 551-552, 183-188 | 0.4 | 3 |
| 41 | Outstanding cryogenic strength-ductility properties of a cold-rolled medium-entropy TRIP Fe ₆₅ (CoNi) ₂₅ Cr ₉ B _{0.5} alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 836, 142720 | 5.3 | 3 |
| 40 | The Effect of LSP on the Structure Evolution and Self-Heating of ARMCO Iron under Cyclic Loading. <i>Metals</i> , 2021 , 11, 1198 | 2.3 | 3 |
| 39 | Strengthening of a CoCrFeNiMn-Type High Entropy Alloy by Regular Arrays of Nanoprecipitates. <i>Materials Science Forum</i> , 2018 , 941, 772-777 | 0.4 | 3 |
| 38 | Effect of nitrogen on microstructure and mechanical properties of the CoCrFeMnNi high-entropy alloy after cold rolling and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2021 , 888, 161452 | 5.7 | 3 |
| 37 | Microstructure Refinement in the CoCrFeNiMn High Entropy Alloy under Plastic Straining. <i>Materials Science Forum</i> , 2016 , 879, 1853-1858 | 0.4 | 2 |
| 36 | Wear resistance of Ti/TiB composites produced by spark plasma sintering 2017 , | | 2 |
| 35 | Formation of Nanocrystalline Structure in Two-Phase Titanium Alloys by Warm Severe Plastic Deformation 2013 , 113-122 | | 2 |
| 34 | Production of Nanostructure in Titanium by Cold Rolling. <i>Materials Science Forum</i> , 2008 , 584-586, 759-764 | 4.4 | 2 |

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| 33 | Structure and Properties of Ti/TiB Metal-Matrix Composite after Isothermal Multiaxial Forging. <i>Acta Physica Polonica A</i> , 2018 , 134, 695-698 | 0.6 | 2 |
| 32 | Evolution of microstructure and mechanical properties of Ti-based metal-matrix composites during hot deformation. <i>MATEC Web of Conferences</i> , 2020 , 321, 12016 | 0.3 | 2 |
| 31 | On the relationship between microstructure and residual stress in laser-shock-peened Ti-6Al-4V. <i>Journal of Alloys and Compounds</i> , 2022 , 900, 163383 | 5.7 | 2 |
| 30 | Friction Stir Welding of a TRIP Fe ₄₉ Mn ₃₀ Cr ₁₀ Co ₁₀ C ₁ High Entropy Alloy. <i>Metals</i> , 2021 , 11, 66 | 2.3 | 2 |
| 29 | Cross-kink unpinning controls the medium- to high-temperature strength of body-centered cubic NbTiZr medium-entropy alloy. <i>Scripta Materialia</i> , 2022 , 209, 114367 | 5.6 | 2 |
| 28 | Prediction of strength characteristics of high-entropy alloys Al-Cr-Nb-Ti-V-Zr systems. <i>Materials Today: Proceedings</i> , 2021 , 38, 1535-1540 | 1.4 | 2 |
| 27 | Precipitation-hardened refractory Ti-Nb-Hf-Al-Ta high-entropy alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012041 | 0.4 | 2 |
| 26 | Effect of Plastic Deformation on the Structure and Properties of the Ti/TiB Composite Produced by Spark Plasma Sintering. <i>Russian Metallurgy (Metally)</i> , 2018 , 2018, 638-644 | 0.5 | 2 |
| 25 | Excellent strength-toughness synergy in metastable austenitic stainless steel due to gradient structure formation. <i>Materials Letters</i> , 2021 , 303, 130585 | 3.3 | 2 |
| 24 | Effect of Interstitial Elements on the Cryogenic Mechanical Behavior of FCC High Entropy Alloys. <i>Materials Science Forum</i> , 1016, 1386-1391 | 0.4 | 2 |
| 23 | Structure and Properties of High-Entropy Nitride Coatings. <i>Metals</i> , 2022 , 12, 847 | 2.3 | 2 |
| 22 | Mechanisms of Grain Structure Evolution in a Quenched Medium Carbon Steel during Warm Deformation. <i>Crystals</i> , 2020 , 10, 554 | 2.3 | 1 |
| 21 | Kinetics of Microstructure Refinement in Titanium Alloys during Deformation. <i>Materials Science Forum</i> , 2016 , 879, 2280-2285 | 0.4 | 1 |
| 20 | Superplastic Behavior of B- and Gd-Containing Solidifying TiAl Based Alloy. <i>Defect and Diffusion Forum</i> , 2018 , 385, 131-136 | 0.7 | 1 |
| 19 | Twinning-Induced Formation of Nanostructure in Commercial-Purity Titanium. <i>Materials Science Forum</i> , 2014 , 783-786, 2732-2737 | 0.4 | 1 |
| 18 | Erosion damage of laser alloyed stainless steel in mercury. <i>Surface and Coatings Technology</i> , 2007 , 201, 6035-6043 | 4.4 | 1 |
| 17 | Laser Surface Alloying of SUS316 Stainless Steel with Al-Si (Effect of Substrate Temperature on Structure and Properties of Modified Layer). <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , 2005 , 48, 292-298 | | 1 |
| 16 | Effect of pre-heating and post-weld heat treatment on structure and mechanical properties of laser beam-welded Ti ₂ AlNb-based joints. <i>Intermetallics</i> , 2022 , 143, 107466 | 3.5 | 1 |

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| 15 | The grain-refinement mechanism during heavy cold-rolling of commercial-purity titanium. <i>Journal of Alloys and Compounds</i> , 2022 , 895, 162689 | 5-7 | 1 |
| 14 | Effect of friction stir welding on the structure and mechanical properties of the CoCrFeNiMn-0.9%C alloy 2019 , | | 1 |
| 13 | Production of bulk nanocrystalline mill products by conventional metalforming methods 2019 , 71-100 | | 1 |
| 12 | Effect of carbon content on cryogenic mechanical properties of CoCrFeMnNi high entropy alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012050 | 0-4 | 1 |
| 11 | Aging behavior of two refractory Ti-Nb-(Hf, Zr)-Al high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 889, 161586 | 5-7 | 1 |
| 10 | B2 precipitates formation in Al-containing CoCrFeMnNi-type high entropy alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1014, 012018 | 0-4 | 1 |
| 9 | Formation of Submicrocrystalline Structure in Large Size Billets and Sheets out of Titanium Alloys 2004 , 401-412 | | 1 |
| 8 | The unusual character of microstructure evolution during ϵ -deformation of commercial-purity titanium. <i>Journal of Alloys and Compounds</i> , 2022 , 913, 165281 | 5-7 | 1 |
| 7 | Unique precipitations in a novel refractory Nb-Mo-Ti-Co high-entropy superalloy. <i>Materials Research Letters</i> , 2022 , 10, 78-87 | 7-4 | 0 |
| 6 | On the yield stress anomaly in a B2-ordered refractory AlNbTiVZr _{0.25} high-entropy alloy. <i>Materials Letters</i> , 2022 , 311, 131584 | 3-3 | 0 |
| 5 | Mechanisms of Microstructure Refinement in Titanium during ϵ -Deformation at 400°C. <i>Materials Science Forum</i> , 2010 , 667-669, 439-444 | 0-4 | |
| 4 | Globularization of Two-Phase Titanium Alloy during Deformation at 600 and 800°C. <i>Materials Science Forum</i> , 2012 , 715-716, 854-859 | 0-4 | |
| 3 | 316 Erosion Damage of Laser Alloyed Stainless Steel in Mercury. <i>The Proceedings of Ibaraki District Conference</i> , 2005 , 2005, 73-74 | | 0 |
| 2 | Hot Deformation Behavior of ϵ -Solidifying TiAl Based Alloy. <i>Acta Physica Polonica A</i> , 2018 , 134, 675-677 | 0-6 | |
| 1 | Efficiency of Microstructure Refinement in Ti-Based Alloys. <i>Materials Science Forum</i> , 1016, 1753-1758 | 0-4 | |