

Krystian Prusik

List of Publications by Year in descending order

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80
papers

777
citations

623734

14
h-index

642732

23
g-index

82
all docs

82
docs citations

82
times ranked

731
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Microstructural and magnetic characterization of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ ferrite nanoparticles. Journal of Physics and Chemistry of Solids, 2019, 129, 1-21. | 4.0 | 81 |
| 2 | The effects of room temperature ECAP and subsequent aging on the structure and properties of the Al-3%Mg aluminium alloy. Materials Characterization, 2017, 133, 185-195. | 4.4 | 51 |
| 3 | Elbrusite-(Zr)-A new uranian garnet from the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. American Mineralogist, 2010, 95, 1172-1181. | 1.9 | 45 |
| 4 | Structure and properties of AlMg alloy after combination of ECAP and post-ECAP ageing. Archives of Civil and Mechanical Engineering, 2016, 16, 325-334. | 3.8 | 37 |
| 5 | Rapid continuous microwave-assisted synthesis of silver nanoparticles to achieve very high productivity and full yield: from mechanistic study to optimal fabrication strategy. Journal of Nanoparticle Research, 2015, 17, 27. | 1.9 | 31 |
| 6 | Ultra-high coercivity of (Fe ₈₆ xNb _x B ₁₄) _{0.88} Tb _{0.12} bulk nanocrystalline magnets. Acta Materialia, 2015, 98, 318-326. | 7.9 | 22 |
| 7 | Toturite Ca ₃ Sn ₂ Fe ₂ SiO ₁₂ -A new mineral species of the garnet group. American Mineralogist, 2010, 95, 1305-1311. | 1.9 | 21 |
| 8 | Gurimite, Ba ₃ (VO ₄) ₂ and hexacelsian, BaAl ₂ Si ₂ O ₈ - two new minerals from schorlomite-rich paralava of the Hatrurim Complex, Negev Desert, Israel. Mineralogical Magazine, 2017, 81, 1009-1019. | 1.4 | 21 |
| 9 | Crystallite Size Determination of MgO Nanopowder from X-Ray Diffraction Patterns Registered in GIXD Technique. Solid State Phenomena, 0, 163, 177-182. | 0.3 | 20 |
| 10 | Bitikleite-(SnAl) and bitikleite-(ZrFe): New garnets from xenoliths of the Upper Chegem volcanic structure, Kabardino-Balkaria, Northern Caucasus, Russia. American Mineralogist, 2010, 95, 959-967. | 1.9 | 20 |
| 11 | Amine-stabilized small gold nanoparticles supported on AISBA-15 as effective catalysts for aerobic glucose oxidation. Applied Catalysis A: General, 2014, 475, 203-210. | 4.3 | 18 |
| 12 | Microstructure of the Ni-Cu-P melt-spun ribbons produced from the single-chamber and from the double-chamber crucibles. Journal of Alloys and Compounds, 2014, 615, S29-S34. | 5.5 | 17 |
| 13 | Texture Analysis of Hot Rolled Ni-Mn-Ga Alloys. Solid State Phenomena, 0, 154, 133-138. | 0.3 | 16 |
| 14 | Eringaite, Ca ₃ Sc ₂ (SiO ₄) ₃ , a new mineral of the garnet group. Mineralogical Magazine, 2010, 74, 365-373. | 1.4 | 16 |
| 15 | Properties and microstructure of the (Fe, Ni)-Cu-(P, Si, B) melt-spun alloys. Journal of Microscopy, 2010, 237, 232-236. | 1.8 | 15 |
| 16 | Microstructure of Ni(Cr)-Ti-Cr ₃ C ₂ -Cr ₇ C ₃ composite powder. Journal of Materials Processing Technology, 2005, 162-163, 15-19. | 6.3 | 14 |
| 17 | Study of morphology and magnetic properties of the HoNi ₃ crystalline and ball-milled compound. Materials Characterization, 2015, 101, 58-70. | 4.4 | 14 |
| 18 | Structure of the Ni-Co-Mn-In alloy obtained by mechanical alloying and sintering. Journal of Alloys and Compounds, 2019, 801, 529-535. | 5.5 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Microstructure, Phase Transformations, and Properties of Hot-Extruded Ni-Rich NiTi Shape Memory Alloy. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2362-2367. | 2.5 | 13 |
| 20 | Microstructure and some thermomagnetic properties of amorphous Fe-(Co)-Mn-Mo-B alloys. <i>Journal of Alloys and Compounds</i> , 2018, 735, 253-260. | 5.5 | 13 |
| 21 | The effect of $\hat{\Gamma}^3$ -phase particles on microstructure and properties of Co-Ni-Ga alloys. <i>European Physical Journal: Special Topics</i> , 2008, 158, 155-159. | 2.6 | 12 |
| 22 | Formation and Properties of Amorphous/Crystalline Ductile Composites in Ni-Ag-P Immiscible Alloys. <i>Solid State Phenomena</i> , 0, 186, 216-221. | 0.3 | 12 |
| 23 | DzierÅ¼anowskite, CaCu_2S_2 – a new natural thiocuprate from Jabel Harmun, Judean Desert, Palestine Autonomy, Israel. <i>Mineralogical Magazine</i> , 2017, 81, 1073-1085. | 1.4 | 12 |
| 24 | Effect of composition and heat treatment on the martensitic transformations in Co-Ni-Ga alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 481-482, 330-333. | 5.6 | 11 |
| 25 | Megawite, CaSnO_3 : a new perovskite-group mineral from skarns of the Upper Chegem caldera, Kabardino-Balkaria, Northern Caucasus, Russia. <i>Mineralogical Magazine</i> , 2011, 75, 2563-2572. | 1.4 | 11 |
| 26 | Influence of Molybdenum on the Microstructure, Mechanical Properties and Corrosion Resistance of $\text{Ti}_2\text{Ta}_2\text{Nb}_2\text{O}_{20}(\text{ZrHf})_2\text{O}_x\text{Mox}$ (Where: $x = 0, 5, 10, 15, 20$) High Entropy Alloys. <i>Materials</i> , 2022, 15, 393. | 2.9 | 11 |
| 27 | Eltyubuyite, $\text{Ca}_{12}\text{Fe}_3+10\text{Si}_4\text{O}_{32}\text{Cl}_6$ - the Fe^{3+} analogue of wadalite: a new mineral from the Northern Caucasus, Kabardino-Balkaria, Russia. <i>European Journal of Mineralogy</i> , 2013, 25, 221-229. | 1.3 | 10 |
| 28 | Application of HEBM for obtaining $\text{Ho}(\text{Ni}_{0.5}\text{Co}_{0.5})_3$ nanoflakes. <i>Materials Chemistry and Physics</i> , 2016, 177, 299-313. | 4.0 | 10 |
| 29 | X-ray studies on $\text{NiAl-Cr}_3\text{C}_2\text{-Al}_2\text{O}_3$ composite powder with nanocrystalline NiAl phase. <i>Journal of Alloys and Compounds</i> , 2006, 423, 112-115. | 5.5 | 9 |
| 30 | Extruded Rods with Axial Texture of Polycrystalline Ni-Mn-Ga Alloys. <i>Materials Science Forum</i> , 0, 635, 189-194. | 0.3 | 9 |
| 31 | Magnetic Properties of $\text{Tb}(\text{Ni}_{1-x}\text{Fe}_x)_3$ ($x=0.2, 0.6$) Crystalline Compounds and Powders. <i>Acta Physica Polonica A</i> , 2014, 126, 180-181. | 0.5 | 9 |
| 32 | Synthesis of nanostructured $\text{Ho}(\text{Ni}_{0.5}\text{Fe}_{0.5})_3$ compound via ball-milling. <i>Materials Characterization</i> , 2015, 110, 145-159. | 4.4 | 9 |
| 33 | Microstructure of the Fe-Ni-P Melt-Spun Ribbons Produced from the Single-Chamber and from the Double-Chamber Crucibles. <i>Solid State Phenomena</i> , 0, 203-204, 361-367. | 0.3 | 8 |
| 34 | Influence of Primary Milling on Structural and Electrical Properties of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Ceramics Obtained by Sintering Process. <i>International Journal of Thermophysics</i> , 2010, 31, 42-54. | 2.1 | 7 |
| 35 | Irinarassite $\text{Ca}_3\text{Sn}_2\text{SiAl}_2\text{O}_{12}$ – new garnet from the Upper Chegem Caldera, Northern Caucasus, Kabardino-Balkaria, Russia. <i>Mineralogical Magazine</i> , 2013, 77, 2857-2866. | 1.4 | 7 |
| 36 | Analysis of Stainless Steel Waste Products Generated during Laser Cutting in Nitrogen Atmosphere. <i>Metals</i> , 2020, 10, 1572. | 2.3 | 7 |

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|----|--|-----|-----------|
| 37 | Influence of High Energy Milling Time on the Ti-50Ta Biomedical Alloy Structure. <i>Acta Physica Polonica A</i> , 2016, 130, 1033-1036. | 0.5 | 7 |
| 38 | Dzhuluite, $\text{Ca}_3\text{SbSnFe}_3\text{O}_{12}$, a new bitikleite-group garnet from the Upper Chegem Caldera, Northern Caucasus, Kabardino-Balkaria, Russia. <i>European Journal of Mineralogy</i> , 2013, 25, 231-239. | 1.3 | 6 |
| 39 | Microstructure, fracture, and thermal stability of Ni-Fe-Cu-B two-phase amorphous composite produced from the double-chamber crucible. <i>Intermetallics</i> , 2015, 65, 15-21. | 3.9 | 6 |
| 40 | Microstructure and fracture surface of the two-component melt-spun amorphous/amorphous composite. <i>Journal of Non-Crystalline Solids</i> , 2015, 412, 49-52. | 3.1 | 6 |
| 41 | Evolution of morphology and magnetism of $\text{Ho}(\text{Fe}_{0.5}\text{Co}_{0.5})_3$ intermetallic nanopowders synthesized by HEBM. <i>Intermetallics</i> , 2016, 76, 56-69. | 3.9 | 6 |
| 42 | Evolution of frozen magnetic state in co-precipitated $\text{Zn}_{1-x}\text{Co}_x\text{Fe}_2\text{O}_4$ ($0 \leq x \leq 1$) ferrite nanopowders. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 454, 368-374. | 2.3 | 6 |
| 43 | Structural, magnetic, and electronic properties of Ti ₂ CrAl. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159078. | 5.5 | 6 |
| 44 | HoFe ₃ magnetic nanopowders fabricated by high energy ball milling. <i>Materials Characterization</i> , 2017, 126, 42-56. | 4.4 | 5 |
| 45 | Correlation between Microstructure and Magnetism in Ball-Milled SmCo ₅ /Fe (5wt. % Fe) Nanocomposite Magnets. <i>Materials</i> , 2021, 14, 805. | 2.9 | 5 |
| 46 | Priscillagrewite-(Y), $(\text{Ca}_2\text{Y})\text{Zr}_2\text{Al}_3\text{O}_{12}$: A new garnet of the bitikleite group from the Daba-Siwaqa area, the Hatrurim Complex, Jordan. <i>American Mineralogist</i> , 2021, 106, 641-649. | 1.9 | 5 |
| 47 | Effect of the Boron Addition on the Structure of the Ni-Mn-Co-In Alloys. <i>Acta Physica Polonica A</i> , 2016, 130, 1023-1025. | 0.5 | 5 |
| 48 | Structure Analysis of Nanocrystalline MgO Aerogel Prepared by Sol-Gel Method. <i>Solid State Phenomena</i> , 2007, 130, 203-206. | 0.3 | 4 |
| 49 | Hot Extrusion of Ni-Based Polycrystalline Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 203-204, 306-309. | 0.3 | 4 |
| 50 | Formation and microstructure of the amorphous/crystalline Fe ₅₅ Ni ₂₀ Cu ₅ P ₁₀ Si ₅ B ₅ composite produced by two-component melt-spinning. <i>Journal of Alloys and Compounds</i> , 2018, 750, 471-478. | 5.5 | 4 |
| 51 | The Comparison of Magnetic Properties at Room Temperature in RCo ₅ (R = Y, Sm, and Gd) Nanoflakes Synthesized via Time-Staged HEBM. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4. | 2.1 | 4 |
| 52 | Microstructure and Mechanical Properties of Co-Cr-Mo-Si-Y-Zr High Entropy Alloy. <i>Metals</i> , 2020, 10, 1456. | 2.3 | 4 |
| 53 | Structural Studies with the Use of XRD and Mössbauer Spectroscopy of Bi ₅ Ti ₃ Fe ₁₅ Ceramic Powders Obtained by Mechanical Synthesis. <i>Acta Physica Polonica A</i> , 2008, 114, 1623-1629. | 0.5 | 4 |
| 54 | Magnetic Hardening Induced in RCo ₅ (R = Y, Gd, Sm) by Short HEBM. <i>Acta Physica Polonica A</i> , 2018, 133, 688-690. | 0.5 | 4 |

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|----|--|-----|-----------|
| 55 | Nanocrystalline MgO powder materials prepared by sol-gel studied by X-ray diffraction and electron microscopy. <i>Zeitschrift für Kristallographie, Supplement</i> , 2009, 2009, 255-260. | 0.5 | 4 |
| 56 | Characterization of HoCo ₃ nanoflakes synthesized via high energy ball-milling. <i>Materials Chemistry and Physics</i> , 2017, 194, 105-117. | 4.0 | 3 |
| 57 | Experimental and theoretical studies of Ti ₂ MnGa. <i>Materials Characterization</i> , 2019, 154, 248-252. | 4.4 | 3 |
| 58 | Preparation and Magnetic Characteristics of Co _{1-x} Zn _x Fe ₂ O ₄ Ferrite Nanopowders. <i>Acta Physica Polonica A</i> , 2017, 131, 1236-1239. | 0.5 | 3 |
| 59 | Magnetic Properties and Structure of the Ni-Co-Mn-In Alloys with the Boron Addition. <i>Acta Physica Polonica A</i> , 2017, 131, 1240-1244. | 0.5 | 3 |
| 60 | Martensitic Transformation, Structure and Magnetic Properties of Co-Ni-Ga Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 2007, 130, 141-146. | 0.3 | 2 |
| 61 | Studies of Plastically Deformed Ni-Mn-Ga Ferromagnetic Shape Memory Alloy. <i>Solid State Phenomena</i> , 0, 163, 123-126. | 0.3 | 2 |
| 62 | Microstructure refinement and mechanical properties of the NiCoMnIn alloy obtained by arc melting technique from mechanically alloyed powder. <i>Journal of Alloys and Compounds</i> , 2021, 859, 157841. | 5.5 | 2 |
| 63 | Effect of deformation on structure and mechanical behavior of polycrystalline Ni-Mn-Ga alloys. <i>European Physical Journal: Special Topics</i> , 2008, 158, 93-98. | 2.6 | 1 |
| 64 | Structure of the Near Stoichiometric Thermally Treated Co ₂ NiGa Heusler Compounds. <i>Solid State Phenomena</i> , 0, 163, 131-136. | 0.3 | 1 |
| 65 | Characterization of Precipitation Process in T24 Steel after Long-Term Ageing. <i>Solid State Phenomena</i> , 0, 186, 296-300. | 0.3 | 1 |
| 66 | Structure and Phase Transformation in Ni-Co-Mn-In Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 203-204, 240-245. | 0.3 | 1 |
| 67 | Preparation and Structural Examinations of Gd+Ni Nanocomposites. <i>Solid State Phenomena</i> , 0, 203-204, 276-279. | 0.3 | 1 |
| 68 | The Nanoflower-Like Morphology and Magnetism of As-Milled Ho(Ni _{0.8} Co _{0.2}) ₃ Powders Prepared by HEBM. <i>Solid State Phenomena</i> , 0, 257, 76-80. | 0.3 | 1 |
| 69 | Novel Ho(Ni _{0.8} Co _{0.2}) ₃ nanoflakes produced by high energy ball-milling. <i>Materials Characterization</i> , 2017, 128, 43-53. | 4.4 | 1 |
| 70 | Amorphous/crystalline Fe ₅₅ Ni ₂₀ Cu ₅ P ₁₀ Si ₅ B ₅ composite produced by two-component melt-spinning. <i>Materials Science and Technology</i> , 2020, 36, 982-988. | 1.6 | 1 |
| 71 | Structure Analysis of Nanocrystalline MgO Aerogel Prepared by Sol-Gel Method. <i>Solid State Phenomena</i> , 0, 203-206. | 0.3 | 1 |
| 72 | The Microstructure and Thermal Stability of the Two-Component Melt-Spun Ni ₅₅ Fe ₂₀ Cu ₅ P ₁₀ B ₁₀ TCMS Amorphous/Amorphous Composite. <i>Acta Physica Polonica A</i> , 2016, 130, 927-930. | 0.5 | 1 |

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|----|--|-----|-----------|
| 73 | Influence of Substitution and Milling on Structural and Magnetic Properties of Selected $\text{Sm}(\text{Ni}_{1-x}\text{Co}_x)_3$ Compounds. <i>Acta Physica Polonica A</i> , 2018, 133, 486-488. | 0.5 | 1 |
| 74 | Structure and Properties of the Melt-Spun $\text{Fe}_{41}\text{Ni}_{39}\text{P}_{10}\text{Si}_5\text{B}_5$ Alloy Heat Treated at Elevated Temperatures. <i>Solid State Phenomena</i> , 2010, 163, 101-105. | 0.3 | 0 |
| 75 | TEM Study of Ni-Mn-Co-In Ferromagnetic Shape Memory Alloys. <i>Solid State Phenomena</i> , 0, 186, 271-274. | 0.3 | 0 |
| 76 | Rietveld Analysis of Aurivillius-Type Structure Ceramics Synthesized from Precursors Prepared by Classical and HEBM Methods. <i>Solid State Phenomena</i> , 0, 203-204, 319-322. | 0.3 | 0 |
| 77 | Microstructural Studies of NiCoMnIn Magnetic Shape Memory Ribbons. <i>Materials Science Forum</i> , 0, 738-739, 436-440. | 0.3 | 0 |
| 78 | Mechanical properties of Ni-Fe-Cu-P-B alloy produced by two component melt spinning (TCMS). <i>Archives of Metallurgy and Materials</i> , 2017, 62, 137-140. | 0.6 | 0 |
| 79 | Microstructure and magnetic properties of nanocrystalline Fe-Pt-based ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 501, 166472. | 2.3 | 0 |
| 80 | Structure of the Extruded and Thermally Treated $\text{Ni}_{54.3}\text{Fe}_{16.2}\text{Ga}_{29.5}$ Alloy. <i>Acta Physica Polonica A</i> , 2016, 130, 1020-1022. | 0.5 | 0 |