

Antonio Pereira Goncalves

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232
papers

2,373
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h-index

37
g-index

249
ext. papers

2,645
ext. citations

3.6
avg. IF

4.59
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 232 | Transport properties of the oxides $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ (0 < δ < 0.1). <i>Physical Review B</i> , 1988 , 37, 7476-7481 | 3.3 | 146 |
| 231 | Purification of metallurgical grade silicon by acid leaching. <i>Hydrometallurgy</i> , 1990 , 23, 237-246 | 4 | 84 |
| 230 | Conducting glasses as new potential thermoelectric materials: the $Cu_{1-x}Te_x$ case. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1516-1521 | | 68 |
| 229 | Magnetic sublattice interactions in UFe_4Al_8 . <i>Physical Review B</i> , 1997 , 55, 14370-14377 | 3.3 | 57 |
| 228 | New promising bulk thermoelectrics: intermetallics, pnictides and chalcogenides. <i>European Physical Journal B</i> , 2014 , 87, 1 | 1.2 | 52 |
| 227 | A study on red lead degradation in a medieval manuscript Lorvö Apocalypse (1189). <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 1966-1973 | 2.3 | 51 |
| 226 | Infrared spectra and quantum chemical calculations of the uranium carbide molecules UC and CUC with triple bonds. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8484-8 | 16.4 | 47 |
| 225 | Partial oxidation of methane over bimetallic copper/berium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 2010 , 320, 47-55 | | 42 |
| 224 | Magnetic phase diagram of the semioordered alloys $UFexAl_{12-x}$. <i>Physical Review B</i> , 1999 , 60, 9494-9500 | 3.3 | 41 |
| 223 | Neutron-scattering study of the magnetic structure of $DyFe_4Al_8$ and $HoFe_4Al_8$. <i>Physical Review B</i> , 2000 , 61, 6176-6188 | 3.3 | 39 |
| 222 | Partial oxidation of methane over bimetallic nickel/anthanide oxides. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 316-323 | 5.7 | 38 |
| 221 | A comprehensive study of the crystallization of $Cu_{1-x}As_xTe$ glasses: microstructure and thermoelectric properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8190 | 13 | 37 |
| 220 | Influence of Thermal Treatment and Crystal Growth on the Final Composition and Magnetic Properties of the $YFexAl_{12-x}$ (4 < x < 12) Intermetallics. <i>Chemistry of Materials</i> , 2000 , 12, 1743-1749 | 9.6 | 37 |
| 219 | Superconductivity and spin fluctuations in $\{Th,U\}Pt_4Ge_{12}$ skutterudites. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 35 |
| 218 | Magnetization of the Fe sublattices in $UFexAl_{12-x}$ (4 < x < 8) studied by Mössbauer spectroscopy. <i>Solid State Communications</i> , 1999 , 110, 369-374 | 1.6 | 35 |
| 217 | Extended Miedema model: Predicting the formation enthalpies of intermetallic phases with more than two elements. <i>Physica B: Condensed Matter</i> , 1996 , 228, 289-294 | 2.8 | 35 |
| 216 | Phase relations and single crystal growth of U-Fe-M (M = Al, Si) compounds with $ThMn_{12}$ -type structure. <i>Materials Letters</i> , 1994 , 19, 13-16 | 3.3 | 35 |

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| 215 | Semiconducting glasses: A new class of thermoelectric materials?. <i>Journal of Solid State Chemistry</i> , 2012 , 193, 26-30 | 3.3 | 34 |
| 214 | Electronic properties of a distorted kagome lattice antiferromagnet Dy ₃ Ru ₄ Al ₁₂ . <i>Physical Review B</i> , 2014 , 90, | 3.3 | 31 |
| 213 | Giant-magnetoresistance anomaly associated with a magnetization process in UFe ₄ Al ₈ . <i>Physical Review B</i> , 1996 , 53, R480-R483 | 3.3 | 31 |
| 212 | Infrared spectra and quantum chemical calculations of the uranium-carbon molecules UC, CUC, UCH, and U(CC) ₂ . <i>Journal of Chemical Physics</i> , 2011 , 134, 244313 | 3.9 | 30 |
| 211 | Electronic properties of U and superconductivity of UMo alloys. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 498, 14-20 | 1.3 | 28 |
| 210 | High-Temperature Thermoelectric Properties of Sn-Doped UAs ₂ Te ₃ . <i>Advanced Electronic Materials</i> , 2015 , 1, 1400008 | 6.4 | 27 |
| 209 | Ferromagnetism in ZnO doped with Co by ion implantation. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e191-e194 | 2.8 | 27 |
| 208 | Thermal stability and thermoelectric properties of Cu _x As _{40-x} Te _{60-x} Se _y semiconducting glasses. <i>Journal of Solid State Chemistry</i> , 2013 , 203, 212-217 | 3.3 | 25 |
| 207 | Magnetic structures of MFe ₄ Al ₈ (M=Lu,Y). <i>Physical Review B</i> , 2001 , 63, | 3.3 | 25 |
| 206 | Anomalous magnetization cycle of UFe ₄ Al ₈ single crystals: A Mössbauer effect study. <i>Physical Review B</i> , 1999 , 60, 4074-4081 | 3.3 | 25 |
| 205 | Effective medium theory based modeling of the thermoelectric properties of composites: comparison between predictions and experiments in the glass-crystal composite system Si ₁₀ As ₁₅ Te ₇₅ Bi _{0.4} Sb _{1.6} Te ₃ . <i>Journal of Materials Chemistry C</i> , 2015 , 3, 11090-11098 | 7.1 | 24 |
| 204 | Study of decomposition and stabilization of splat-cooled cubic U phase UMo alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 223-231 | 5.7 | 24 |
| 203 | Characterization of the ternary uranium-iron aluminide UFe ₂ Al ₁₀ . <i>Intermetallics</i> , 2004 , 12, 189-194 | 3.5 | 24 |
| 202 | Chalcogenide Glasses as Prospective Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2011 , 40, 1015-1017 | 1.9 | 22 |
| 201 | Partial oxidation of methane over bimetallic copper- and nickel-actinide oxides (Th, U). <i>Journal of Alloys and Compounds</i> , 2010 , 497, 249-258 | 5.7 | 21 |
| 200 | Growth of CuS platelet single crystals by the high-temperature solution growth technique. <i>Journal of Crystal Growth</i> , 2008 , 310, 2742-2745 | 1.6 | 21 |
| 199 | Isothermal section at 850°C of the UFeAl ternary system. <i>Intermetallics</i> , 2005 , 13, 580-585 | 3.5 | 21 |
| 198 | Magnetic properties of a UFe ₄ Al ₈ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1417-1418 | 2.8 | 21 |

- 197 High pressure studies of a new ternary actinide compound, UV_2Al_{20} . *Journal of Alloys and Compounds*, **2001**, 319, 19-21 5.7 20
- 196 Fast and scalable preparation of tetrahedrite for thermoelectrics via glass crystallization. *Journal of Alloys and Compounds*, **2016**, 664, 209-217 5.7 18
- 195 Polymorphism in Thermoelectric As_2Te_3 . *Inorganic Chemistry*, **2015**, 54, 9936-47 5.1 17
- 194 Synthesis of methanol using copper-block element bimetallic oxides as catalysts and greenhouse gases (CO_2 , CH_4) as feedstock. *Journal of Catalysis*, **2016**, 341, 24-32 7.3 17
- 193 UFe_6Ge_6 : a new ternary magnetic compound. *Journal of Alloys and Compounds*, **1994**, 204, 59-64 5.7 16
- 192 Magnetic properties of $Co_{1-x}Ni_x$ thin films deposited by reactive sputtering. *Thin Solid Films*, **2014**, 556, 125-127 2.2 15
- 191 Peculiarities of U_2T_2X hydrides. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, 945-947 2.8 15
- 190 Isothermal section at 750°C of the $UFeSn$ ternary system. *Intermetallics*, **2001**, 9, 473-479 3.5 15
- 189 High thermoelectric performance in Sn-substituted β - As_2Te_3 . *Journal of Materials Chemistry C*, **2016**, 4, 2329-2338 7.1 14
- 188 Thermoelectric Properties of the β - As_2Te_3 Crystalline Phase. *Journal of Electronic Materials*, **2016**, 45, 1447-1452 1.9 14
- 187 The Cu and Te coordination environments in Cu-doped $Ge_{1-x}Te_x$ glasses. *Solid State Communications*, **2011**, 151, 1524-1527 1.6 14
- 186 Oxidation Studies of $Cu_{12}Sb_{3.9}Bi_{0.1}S_{10}Se_3$ Tetrahedrite. *Journal of Electronic Materials*, **2018**, 47, 2880-2889 1.9 13
- 185 Thorium and uranium carbide cluster cations in the gas phase: similarities and differences between thorium and uranium. *Inorganic Chemistry*, **2013**, 52, 10968-75 5.1 13
- 184 Phase relations and stabilities at 900 °C in the $UFeBi$ ternary system. *Intermetallics*, **2008**, 16, 373-377 3.5 13
- 183 Evidence of uranium magnetic ordering on U_2Fe_3Ge . *Solid State Communications*, **2008**, 148, 159-162 1.6 13
- 182 Actinide heterobimetallic oxides (Th, U): reduction studies. *Thermochimica Acta*, **2004**, 420, 169-173 2.9 13
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- 179 YbAl ternary system: partial isothermal section at 1070 K: Powder X-ray diffraction and Mössbauer spectroscopy study. *Journal of Alloys and Compounds*, **2001**, 323-324, 78-82 5.7 13
- 178 Magnetic properties of UFe₁₀Si₂ single crystal. *Journal of Alloys and Compounds*, **1995**, 230, 35-41 5.7 13
- 177 Combining X-ray based methods to study the protohistoric bronze technology in Western Iberia. *Nuclear Instruments & Methods in Physics Research B*, **2015**, 358, 117-123 1.2 12
- 176 On the ternary RE-Mg-Al₂ (RE = Gd, Tm), RE₃Ag₅Mg₁₁, REAg₄+Mg₂ RE₄Ag_{10.3}Mg₁₂ and RE₄Ag₁₀+Mg₃[(RE = Ce, Nd, Sm) phases. *Solid State Sciences*, **2015**, 40, 84-91 3.4 12
- 175 Crystallographic and magnetic properties of UFe_{5.8}Al_{6.2} single crystals. *Journal of Magnetism and Magnetic Materials*, **1998**, 189, 283-292 2.8 12
- 174 Crystal structure and electronic properties of the new compounds, U₆Fe₁₆Si₇ and its interstitial carbide U₆Fe₁₆Si₇C. *Journal of Solid State Chemistry*, **2007**, 180, 2926-2932 3.3 12
- 173 Electrical transport properties of CuS single crystals. *Journal of Physics Condensed Matter*, **2012**, 24, 015708 11
- 172 Isothermal section of the Ce-Al-B system at 870 K. *Journal of Alloys and Compounds*, **2009**, 479, 184-188 5.7 11
- 171 Isothermal section at 950°C of the U-Be ternary system. *Intermetallics*, **2007**, 15, 413-418 3.5 11
- 170 Magnetism in hydrogen-doped compounds. *Physica B: Condensed Matter*, **2006**, 378-380, 983-984 2.8 11
- 169 Single crystal investigation of the binary NdB₄ compound. *Journal of Alloys and Compounds*, **2001**, 316, L4-L6 5.7 11
- 168 Preparation of Yb₂O₃ submicron- and nano-materials via electrospinning. *Ceramics International*, **2015**, 41, 10795-10802 5.1 10
- 167 Effect of Ni, Bi and Se on the tetrahedrite formation. *RSC Advances*, **2016**, 6, 102359-102367 3.7 10
- 166 The Yb₂Ni₃Al system: Partial isothermal section at 400 °C with 0-3.3 at.% Yb. *Intermetallics*, **2010**, 18, 655-665 3.5 10
- 165 Thermal studies on oxidation-reduction of LnCu₂ intermetallic compounds and their catalytic behavior for 2-propanol decomposition. *Journal of Alloys and Compounds*, **2009**, 478, 687-693 5.7 10
- 164 Isoprene gas phase hydrogenation catalyzed by ThNi₂ and UNi₂. *Journal of Alloys and Compounds*, **2008**, 465, 361-366 5.7 10
- 163 Unusual 5f magnetism in the U₂Fe₃Ge ternary Laves phase: a single crystal study. *Journal of Physics Condensed Matter*, **2013**, 25, 066010 1.8 9
- 162 On new ternary phases from Eu₂Ni₃ (T=Al and Ga) systems. *Intermetallics*, **2011**, 19, 613-620 3.5 9

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| 161 | Magnetic and transport properties of transition-metal implanted ZnO single crystals. <i>European Physical Journal B</i> , 2011 , 79, 185-195 | 1.2 | 9 |
| 160 | Phase relations of the Eu ₂ Al system at 400°C from 0 to 33.3at.% Eu. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 39-44 | 5.7 | 9 |
| 159 | Spin-glass-like behaviour in the ternary U ₃ Fe _{4+x} Al ₁₂ uranium-iron aluminide. <i>Intermetallics</i> , 2009 , 17, 25-31 | 3.5 | 9 |
| 158 | Mössbauer spectroscopy study of 3d-magnetic properties in UFe ₁₀ Si ₂ . <i>Solid State Communications</i> , 1997 , 104, 271-276 | 1.6 | 9 |
| 157 | UFe ₂ Zn ₂₀ : a new uranium intermetallic compound. <i>Journal of Alloys and Compounds</i> , 1998 , 271-273, 456-458 | 5.7 | 9 |
| 156 | Crystal structure and magnetism of the Y ₂ Pd ₁₄ B ₅ compound. <i>Journal of Alloys and Compounds</i> , 2003 , 360, 61-68 | 5.7 | 9 |
| 155 | Selective isoprene hydrogenation over LnNi (Ln=Pr, Gd, Tm) intermetallic compounds. <i>Journal of Alloys and Compounds</i> , 2001 , 323-324, 610-613 | 5.7 | 9 |
| 154 | Structural and physical properties of UFe ₁₀ Mo ₂ . <i>Journal of Alloys and Compounds</i> , 1995 , 218, 183-189 | 5.7 | 9 |
| 153 | Thermoelectric properties and stability of glasses in the Cu-As-Te system. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2840-2851 | 3.8 | 8 |
| 152 | Sintering and irradiation of copper-based high entropy alloys for nuclear fusion. <i>Fusion Engineering and Design</i> , 2019 , 146, 1824-1828 | 1.7 | 8 |
| 151 | Stabilization of Metastable Thermoelectric Crystalline Phases by Tuning the Glass Composition in the Cu-As-Te System. <i>Inorganic Chemistry</i> , 2018 , 57, 754-767 | 5.1 | 8 |
| 150 | On the U ₂ TuAl and U ₂ TuGa systems at 600 °C. <i>Intermetallics</i> , 2013 , 33, 16-26 | 3.5 | 8 |
| 149 | Rh ₃ B ₂ , new structure type of binary borides with triclinic symmetry. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 4237-4243 | 3.3 | 8 |
| 148 | High field magnetoresistance of UFe ₄ Al ₈ . <i>Physica B: Condensed Matter</i> , 1995 , 211, 139-141 | 2.8 | 8 |
| 147 | Electronic structure, low-temperature transport and thermodynamic properties of polymorphic BiAs ₂ Te ₃ . <i>RSC Advances</i> , 2016 , 6, 52048-52057 | 3.7 | 8 |
| 146 | Effect of Isovalent Substitution on the Electronic Structure and Thermoelectric Properties of the Solid Solution Bi-AsTeSe (0 ≤ x ≤ 0.5). <i>Inorganic Chemistry</i> , 2017 , 56, 2248-2257 | 5.1 | 7 |
| 145 | Effects of high pressure on the structural, magnetic, and transport properties of the itinerant 5f ferromagnet U ₂ Fe ₃ Ge. <i>Physical Review B</i> , 2014 , 89, | 3.3 | 7 |
| 144 | Magnetic, thermal, and transport properties of single-crystalline U ₃ Fe ₄ Ge ₄ . <i>Journal of Alloys and Compounds</i> , 2013 , 555, 304-310 | 5.7 | 7 |

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| 143 | Crystal structure and electronic properties of the new compound U ₃ Fe ₄ Ge ₄ . <i>Journal of Alloys and Compounds</i> , 2013 , 554, 408-413 | 5-7 | 7 |
| 142 | Structural and physical properties of the U ₉ Fe ₇ Ge ₂₄ uranium germanide. <i>Intermetallics</i> , 2011 , 19, 841-847 | 5-7 | 7 |
| 141 | The formation, structure and physical properties of M ₂ Pd _(14+x) B _(5-y) compounds, with M = La, Ce, Pr, Nd, Sm, Eu, Gd, Lu and Th. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 305401 | 1-8 | 7 |
| 140 | Robust properties of the superconducting ferromagnet UCoGe. <i>Applied Physics Letters</i> , 2011 , 98, 132507 | 3-4 | 7 |
| 139 | Crystal structure and magnetic properties of the UFe ₇ Al ₅ uranium-iron aluminide. <i>Journal of Solid State Chemistry</i> , 2003 , 174, 302-309 | 3-3 | 7 |
| 138 | Crystal structure of the CeIr ₃ compound. <i>Journal of Alloys and Compounds</i> , 2004 , 373, L5-L7 | 5-7 | 7 |
| 137 | Physical properties of the series of oxides Y _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} (0 ≤ x ≤ 1). <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 910-911 | 1-3 | 7 |
| 136 | Crystal structure and magnetic properties of YbZn _{8.3} Y ₂ Ga _{2.7} with BaHg ₁₁ structure type. <i>Journal of Alloys and Compounds</i> , 2011 , 509, L14-L17 | 5-7 | 6 |
| 135 | Novel RZn ₂ Ga ₂ (R = La, Ce, Pr, Nd, Sm) intermetallic compounds with BaAl ₄ -type structure. <i>Journal of Alloys and Compounds</i> , 2010 , 508, 20-23 | 5-7 | 6 |
| 134 | Magnetic microstructure of YFe ₁₁ Ti aggregates. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 11-17 | 5-7 | 6 |
| 133 | On the crystal structure of new series of compounds, RPt _{2+x} Sb _{2y} (x = 0.125, y = 0.25; R = La, Ce, Pr). <i>Journal of Alloys and Compounds</i> , 2008 , 450, 215-221 | 5-7 | 6 |
| 132 | La ₃ Ru ₈ B ₆ and Y ₃ Os ₈ B ₆ , new members of a homologous series R(A) _n M _{3n} B _{2n} . <i>Journal of Solid State Chemistry</i> , 2007 , 180, 2740-2746 | 3-3 | 6 |
| 131 | 5f Magnetism studied in complex intermetallic U-based hydrides. <i>Journal of Alloys and Compounds</i> , 2007 , 446-447, 606-609 | 5-7 | 6 |
| 130 | Formation of AlBe surface alloys by ion implantation of Fe in Al. <i>Surface and Coatings Technology</i> , 2002 , 158-159, 339-342 | 4-4 | 6 |
| 129 | X-Ray single-crystal investigation of rare earth osmium silicides. <i>Journal of Alloys and Compounds</i> , 2004 , 363, 222-227 | 5-7 | 6 |
| 128 | Structural and magnetic properties of UFe ₂ M ₁₂ (M = Al, Mo and Si) intermetallic compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1419-1420 | 2-8 | 6 |
| 127 | Analysis of thermoelectric generator incorporating n-magnesium silicide and p-tetrahedrite materials. <i>Energy Conversion and Management</i> , 2021 , 236, 114003 | 10-6 | 6 |
| 126 | Effect of Composition on Thermoelectric Properties of As-Cast Materials: The Cu ₁₂ CoxSb ₄ S ₁₃ Se _y Case. <i>Journal of Electronic Materials</i> , 2019 , 48, 2028-2035 | 1-9 | 5 |

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| 125 | Tetrahedrites for Low Cost and Sustainable Thermoelectrics. <i>Solid State Phenomena</i> , 2016 , 257, 135-138. | 0.4 | 5 |
| 124 | On the new ternary RZnSn ₂ compounds with HfCuSi ₂ structure type. <i>Intermetallics</i> , 2012 , 20, 176-182 | 3.5 | 5 |
| 123 | Crystal structure and magnetic properties of GdZn ₂ Ga ₂ . <i>Intermetallics</i> , 2012 , 22, 106-109 | 3.5 | 5 |
| 122 | Increase of TC in UFe _{2+x} synthesized by ultrafast cooling. <i>Intermetallics</i> , 2011 , 19, 113-120 | 3.5 | 5 |
| 121 | Novel Intermetallic Compound UFe ₅ Si ₃ : A New Room-Temperature Magnet with an Original Atomic Arrangement. <i>Chemistry of Materials</i> , 2007 , 19, 3441-3447 | 9.6 | 5 |
| 120 | Effect of Fe site distribution on the magnetic properties of UFe ₄ Al ₈ Ga _x (x=1.0 and 1.5) and UFe _x Al ₁₂ (4.5 ≤ x ≤ 5). <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 302, 282-289 | 2.8 | 5 |
| 119 | Structural investigation of the CeRh ₂ Sb ₂ compound. <i>Journal of Alloys and Compounds</i> , 2007 , 431, 85-88. | 5.7 | 5 |
| 118 | Thermoelectric properties of ternary compounds from the UBeBi system. <i>Journal of Alloys and Compounds</i> , 2007 , 442, 348-350 | 5.7 | 5 |
| 117 | Crystal structure of a new UGa ₂ phase. <i>Journal of Alloys and Compounds</i> , 2005 , 394, L1-L4 | 5.7 | 5 |
| 116 | Crystal structure, ⁵⁷ Fe Mössbauer spectroscopy and magnetization of U _x Fe ₆ Sn ₆ (0 ≤ x ≤ 6). <i>Intermetallics</i> , 2005 , 13, 490-496 | 3.5 | 5 |
| 115 | Crystal structure and magnetic properties of UFe ₃ Al ₉ . <i>Physica B: Condensed Matter</i> , 2006 , 373, 8-15 | 2.8 | 5 |
| 114 | Crystallographic and magnetic properties of the U _{2.1} Fe ₂ Sn _{0.9} ternary stannide. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 251, 1-8 | 2.8 | 5 |
| 113 | Ce ₂ Ir ₅ B ₂ , a new structure type of ternary borides. <i>Journal of Alloys and Compounds</i> , 2003 , 360, 131-136 | 5.7 | 5 |
| 112 | Ternary RPt ₄ B (R=La, Ce, Pr, Nd) compounds; structural and physical characterisation. <i>Intermetallics</i> , 2004 , 12, 1325-1334 | 3.5 | 5 |
| 111 | Structural, Magnetic, and Mössbauer Study of U ₂ Fe ₁₂ Al ₅ . <i>Chemistry of Materials</i> , 2002 , 14, 4219-4228 | 9.6 | 5 |
| 110 | Evolution of magnetism in the UFe _x Al ₁₂ intermetallic series. <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1339-1340 | 2.8 | 5 |
| 109 | A new magnetic intermetallic compound: UFe ₆ Ga ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 157-158, 692-693 | 2.8 | 5 |
| 108 | Crystallization process, phase chemistry and transport properties of superconducting fibers prepared by the LFZ method followed by isothermal annealing. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 513-514 | 1.3 | 5 |

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| 107 | Effect of oxygen content in the thermoelectric power of YBa ₂ Cu ₃ O ₇ <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 1345-1346 | 1.3 | 5 |
| 106 | Thermoelectric Promise of (In _x Sn _x)Co ₄ Sb ₁₂ Materials. <i>Acta Physica Polonica A</i> , 2008 , 113, 403-406 | 0.6 | 5 |
| 105 | High-temperature thermoelectric properties of the Bi _{1-x} As _x Te ₃ solid solution. <i>APL Materials</i> , 2016 , 4, 104901 | 5.7 | 5 |
| 104 | Towards the Use of Cu ₂ S Based Synthetic Minerals for Thermoelectric Applications. <i>Semiconductors</i> , 2019 , 53, 1817-1824 | 0.7 | 5 |
| 103 | Cu _x CrFeMoTi (x = 0.21, 0.44, 1) high entropy alloys as novel materials for fusion applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 238-239, 18-25 | 3.1 | 5 |
| 102 | Crystal structure and physical properties of UMo ₃ B ₇ . <i>Intermetallics</i> , 2017 , 85, 180-186 | 3.5 | 4 |
| 101 | Isothermal section of the ternary phase diagram U-Fe-Ue at 900 °C and its new intermetallic phases. <i>Journal of Alloys and Compounds</i> , 2015 , 639, 224-234 | 5.7 | 4 |
| 100 | Low-Temperature Transport Properties of Bi-Substituted Bi ₂ Te ₃ Compounds. <i>Journal of Electronic Materials</i> , 2016 , 45, 1786-1791 | 1.9 | 4 |
| 99 | A novel ternary uranium-based intermetallic U ₃ Fe ₄ Ge ₃₃ : Structure and physical properties. <i>Journal of Alloys and Compounds</i> , 2014 , 606, 154-163 | 5.7 | 4 |
| 98 | Nanoparticles of Ni in ZnO single crystal matrix. <i>European Physical Journal B</i> , 2013 , 86, 1 | 1.2 | 4 |
| 97 | Liquidus Projection of the B-Fe-U Diagram: The Boron-Rich Corner. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 395-405 | 2.3 | 4 |
| 96 | New representatives with BaAl ₄ , La ₃ Al ₁₁ and BaHg ₁₁ structure types from the RZnGa systems (R = Y, Lu, Gd, Sm). <i>Intermetallics</i> , 2011 , 19, 1080-1084 | 3.5 | 4 |
| 95 | Microstructures and magnetic domain configurations of NdFe ₁₁ Ti and Nd ₂ (Fe,Ti) ₁₇ aggregates. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 1053-1060 | 2.6 | 4 |
| 94 | Electrochemical behaviour of uranium (IV) in DMF at vitreous carbon. <i>Electrochimica Acta</i> , 2009 , 54, 7318-7323 | 1.8 | 4 |
| 93 | Cascade of Peritectic Reactions in the B-Fe-U System. <i>Journal of Phase Equilibria and Diffusion</i> , 2010 , 31, 104-112 | 1 | 4 |
| 92 | On the crystal structure of Sc ₂ MB ₆ (M=Rh, Ir) compounds. <i>Journal of Alloys and Compounds</i> , 2005 , 396, 240-242 | 5.7 | 4 |
| 91 | Electrical resistivity and specific heat studies of NpFe ₄ Al ₈ . <i>Journal of Alloys and Compounds</i> , 2006 , 416, 164-168 | 5.7 | 4 |
| 90 | Magnetic properties of stoichiometric NpFe ₄ Al ₈ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 909-922 | 1.8 | 4 |

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