

Antonio Pereira Goncalves

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

232
papers

2,373
citations

25
h-index

37
g-index

249
ext. papers

2,645
ext. citations

3.6
avg, IF

4.59
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 232 | Improvement of Mechanical Properties with Non-Equimolar CrNbTaVW High Entropy Alloy. <i>Crystals</i> , 2022 , 12, 219 | 2.3 | 1 |
| 231 | Analysis of thermoelectric generator incorporating n-magnesium silicide and p-tetrahedrite materials. <i>Energy Conversion and Management</i> , 2021 , 236, 114003 | 10.6 | 6 |
| 230 | Protective Coatings for Cu ₁₁ Mn ₁ Sb ₄ S ₁₃ and Cu _{10.5} Ni _{1.5} Sb ₄ S ₁₃ Tetrahedrites. <i>Journal of Electronic Materials</i> , 2021 , 50, 467-477 | 1.9 | 0 |
| 229 | On the Dissolution of Metals in Ionic Liquids 1. Iron, Cobalt, Nickel, Copper, and Zinc. <i>Sustainable Chemistry</i> , 2021 , 2, 63-73 | 3.6 | 0 |
| 228 | Thermoelectric power generation from Biogas+H ₂ Flames: Influence of Flame-Wall Interaction. <i>Experimental Thermal and Fluid Science</i> , 2021 , 126, 110350 | 3 | 2 |
| 227 | Analysis and Design of a Silicide-Tetrahedrite Thermoelectric Generator Concept Suitable for Large-Scale Industrial Waste Heat Recovery. <i>Energies</i> , 2021 , 14, 5655 | 3.1 | 2 |
| 226 | Hydrogen gas gap heat switch operating in the 150K to 400K temperature range. <i>Cryogenics</i> , 2021 , 119, 103365 | 1.8 | 0 |
| 225 | Preparation and densification of bulk pyrite, FeS ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 159, 110296 | 3.9 | 0 |
| 224 | Tetrahedrite Sintering Conditions: The Cu ₁₁ Mn ₁ Sb ₄ S ₁₃ Case. <i>Journal of Electronic Materials</i> , 2020 , 49, 5077-5083 | 1.9 | 3 |
| 223 | 80 K vibration-free cooler for potential future Earth observation missions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 755, 012016 | 0.4 | 3 |
| 222 | Quantum effects in electrical transport properties of Bismuth chalcogenides Topological Insulators. <i>EPJ Web of Conferences</i> , 2020 , 233, 01001 | 0.3 | |
| 221 | Nanosize La-filled CoSb ₃ skutterudite fabricated by electrospinning. <i>SN Applied Sciences</i> , 2020 , 2, 1 | 1.8 | 0 |
| 220 | Uranium Carbide Fibers with Nano-Grains as Starting Materials for ISOL Targets. <i>Nanomaterials</i> , 2020 , 10, | 5.4 | 2 |
| 219 | Magnetic studies of monoclinic Cu ₄ O(SeO ₃) ₃ , a copper-oxo-selenite derivative. <i>EPJ Web of Conferences</i> , 2020 , 233, 01002 | 0.3 | |
| 218 | Peculiar properties of UMB ₄ (M = V, Cr, Mo, W) uranium borides. <i>Advances in Applied Ceramics</i> , 2019 , 118, 189-195 | 2.3 | |
| 217 | 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 |
| 216 | Effect of Composition on Thermoelectric Properties of As-Cast Materials: The Cu ₁₂ Co _x Sb ₄ S ₁₃ Se _y Case. <i>Journal of Electronic Materials</i> , 2019 , 48, 2028-2035 | 1.9 | 5 |

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| 215 | The influence of preparation conditions on the electrical transport properties of tetrahedrites. <i>Materials Today: Proceedings</i> , 2019 , 8, 556-561 | 1.4 | 2 |
| 214 | The system thorium-palladium-boron: A DFT study on the stability and properties of Th ₂ Pd ₁₅ B ₅ . <i>Journal of Alloys and Compounds</i> , 2019 , 811, 151578 | 5.7 | |
| 213 | Glass for Thermoelectric Applications. <i>Springer Handbooks</i> , 2019 , 1677-1696 | 1.3 | |
| 212 | Towards the Use of Cu ₃ Based Synthetic Minerals for Thermoelectric Applications. <i>Semiconductors</i> , 2019 , 53, 1817-1824 | 0.7 | 5 |
| 211 | Synthesis and magnetic studies of nanocrystalline Cu ₂ OSeO ₃ , a chiral topological magnet. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 474, 122-126 | 2.8 | 3 |
| 210 | Oxidation Studies of Cu ₁₂ Sb ₃ .9Bi _{0.1} S ₁₀ Se ₃ Tetrahedrite. <i>Journal of Electronic Materials</i> , 2018 , 47, 2880-2889 | 1.9 | 13 |
| 209 | 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 |
| 208 | Structure and properties of a novel boride: ThNiB. <i>Dalton Transactions</i> , 2018 , 47, 12933-12943 | 4.3 | |
| 207 | Eu Valence in EuAg _{5-x} Ga _x (x=0.5 and 1). <i>Acta Physica Polonica A</i> , 2018 , 134, 1063-1065 | 0.6 | |
| 206 | Short range order of As _{40-x} Cu _x Te ₆₀ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018 , 481, 202-207 | 3.9 | |
| 205 | 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 |
| 204 | Crystal structure and physical properties of UMo ₃ B ₇ . <i>Intermetallics</i> , 2017 , 85, 180-186 | 3.5 | 4 |
| 203 | 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 |
| 202 | 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 |
| 201 | The RMgSn ₂ Series of Compounds (R = Rare Earth Metal): Synthesis, Crystal Structure, and Magnetic Measurements. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3040-3047 | 2.3 | 0 |
| 200 | Mössbauer and heat capacity studies of ErZnSn ₂ . <i>Nukleonika</i> , 2017 , 62, 129-133 | 1 | |
| 199 | Methanol synthesis over binary copper-f block element intermetallic compounds. <i>Catalysis Communications</i> , 2016 , 84, 103-107 | 3.2 | 2 |
| 198 | Tetrahedrites for Low Cost and Sustainable Thermoelectrics. <i>Solid State Phenomena</i> , 2016 , 257, 135-138 | 0.4 | 5 |

- 197 Effect of Ni, Bi and Se on the tetrahedrite formation. *RSC Advances*, **2016**, 6, 102359-102367 3.7 10
- 196 Low-Temperature Transport Properties of Bi-Substituted BiAs_2Te_3 Compounds. *Journal of Electronic Materials*, **2016**, 45, 1786-1791 1.9 4
- 195 High thermoelectric performance in Sn-substituted BiAs_2Te_3 . *Journal of Materials Chemistry C*, **2016**, 4, 2329-2338 7.1 14
- 194 Fast and scalable preparation of tetrahedrite for thermoelectrics via glass crystallization. *Journal of Alloys and Compounds*, **2016**, 664, 209-217 5.7 18
- 193 Kondo effect in $\text{UCu}_{5.5}\text{Ga}_{0.5}$. *Journal of Alloys and Compounds*, **2016**, 656, 957-960 5.7
- 192 Thermoelectric Properties of the BiAs_2Te_3 Crystalline Phase. *Journal of Electronic Materials*, **2016**, 45, 1447-1452 1.9 14
- 191 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
- 190 High-temperature thermoelectric properties of the $\text{BiAs}_2\text{Bi}_x\text{Te}_3$ solid solution. *APL Materials*, **2016**, 4, 104901 5.7 5
- 189 Electronic structure, low-temperature transport and thermodynamic properties of polymorphic BiAs_2Te_3 . *RSC Advances*, **2016**, 6, 52048-52057 3.7 8
- 188 Preparation of Yb_2O_3 submicron- and nano-materials via electrospinning. *Ceramics International*, **2015**, 41, 10795-10802 5.1 10
- 187 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
- 186 Preparation and crystal structure of $\text{U}_3\text{Fe}_2\text{C}_5$: An original uranium-iron carbide. *Journal of Nuclear Materials*, **2015**, 464, 299-303 3.3
- 185 Isothermal section of the ternary phase diagram U-Fe-Ge at 900 °C and its new intermetallic phases. *Journal of Alloys and Compounds*, **2015**, 639, 224-234 5.7 4
- 184 Effective medium theory based modeling of the thermoelectric properties of composites: comparison between predictions and experiments in the glass-crystal composite system $\text{Si}_{10}\text{As}_{15}\text{Te}_{75}\text{Bi}_{0.4}\text{Sb}_{1.6}\text{Te}_3$. *Journal of Materials Chemistry C*, **2015**, 3, 11090-11098 7.1 24
- 183 Magnetic properties of the selected phases from the EuAgAl and EuAgGa systems. *Journal of Alloys and Compounds*, **2015**, 650, 572-577 5.7 3
- 182 Structural and electronic response of $\text{U}_3\text{Fe}_4\text{Ge}_4$ to high pressure. *Journal of Applied Physics*, **2015**, 117, 113901 2.5
- 181 Polymorphism in Thermoelectric As_2Te_3 . *Inorganic Chemistry*, **2015**, 54, 9936-47 5.1 17
- 180 Synthesis and structural/physical properties of $\text{U}_3\text{Fe}_2\text{Ge}_7$: a single-crystal study. *Inorganic Chemistry*, **2015**, 54, 9646-55 5.1 3

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|-----|---|-----|----|
| 179 | Analysis of heat capacity and Mössbauer data for LuZnSn ₂ compound. <i>Nukleonika</i> , 2015 , 60, 97-101 | 1 | 1 |
| 178 | Superconductivity and spin fluctuations in the actinoid-platinum metal borides {Th,U}Pt ₃ B. <i>Physical Review B</i> , 2015 , 92, | 3-3 | 1 |
| 177 | High-Temperature Thermoelectric Properties of Sn-Doped BiAs ₂ Te ₃ . <i>Advanced Electronic Materials</i> , 2015 , 1, 1400008 | 6.4 | 27 |
| 176 | On the ternary RE-Mg ₁ Al ₂ (RE=Er, Gd, Tm), RE ₃ Ag ₅ Mg ₁₁ , REAg ₄ +Mg ₂ , RE ₄ Ag _{10.3} Mg ₁₂ and RE ₄ Ag ₁₀ +Mg ₃ [(RE=Er, Ce, Nd, Sm) phases. <i>Solid State Sciences</i> , 2015 , 40, 84-91 | 3-4 | 12 |
| 175 | New promising bulk thermoelectrics: intermetallics, pnictides and chalcogenides. <i>European Physical Journal B</i> , 2014 , 87, 1 | 1.2 | 52 |
| 174 | Electronic properties of Bi and superconductivity of UMo alloys. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 498, 14-20 | 1-3 | 28 |
| 173 | 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 |
| 172 | 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 |
| 171 | On the ternary UCu _{6.68} Al _{4.32} phase. <i>Solid State Sciences</i> , 2014 , 34, 69-72 | 3-4 | |
| 170 | On the crystal structure and physical properties of the UFeSb ₂ compound. <i>Journal of Alloys and Compounds</i> , 2014 , 616, 601-606 | 5-7 | 3 |
| 169 | Electronic properties of a distorted kagome lattice antiferromagnet Dy ₃ Ru ₄ Al ₁₂ . <i>Physical Review B</i> , 2014 , 90, | 3-3 | 31 |
| 168 | On the 500 °C isothermal section of the ternary Eu-Ag-Ga system up to 33.3 at.% Eu. <i>Journal of Alloys and Compounds</i> , 2014 , 584, 447-453 | 5-7 | 3 |
| 167 | Magnetic properties of Co _N thin films deposited by reactive sputtering. <i>Thin Solid Films</i> , 2014 , 556, 125-127 | 2.2 | 15 |
| 166 | B-Fe-U Phase Diagram. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 1813-1822 | 2-3 | |
| 165 | Contribution to the investigation of the ternary Eu-Ag-Al system. <i>Intermetallics</i> , 2013 , 43, 103-109 | 3-5 | 2 |
| 164 | Alternative Strategies for Thermoelectric Materials Development. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2013 , 1-24 | 0.2 | 3 |
| 163 | A comprehensive study of the crystallization of Cu ₂₅ As ₇₅ Te glasses: microstructure and thermoelectric properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 8190 | 13 | 37 |
| 162 | Thermal stability and thermoelectric properties of Cu _x As _{40-x} Te ₆₀ Se _y semiconducting glasses. <i>Journal of Solid State Chemistry</i> , 2013 , 203, 212-217 | 3-3 | 25 |

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| 161 | Nanoparticles of Ni in ZnO single crystal matrix. <i>European Physical Journal B</i> , 2013 , 86, 1 | 1.2 | 4 |
| 160 | Liquidus Projection of the B-Fe-U Diagram: The Fe-Rich Corner. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 2270-2284 | 2.3 | 3 |
| 159 | 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 |
| 158 | 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 |
| 157 | Preparation of dense ¹³ C pellets using spark plasma sintering technique. <i>Materials Research Innovations</i> , 2013 , 17, 289-292 | 1.9 | |
| 156 | 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 |
| 155 | Structure Properties of the YFe_{11}Mo Intermetallic Compound. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 1149-1152 | 2 | 1 |
| 154 | On the crystal structure of the CeZn _{1.35} Ga _{2.65} and CeZnGa ₄ ternary phases. <i>Intermetallics</i> , 2013 , 40, 60-64 | 3.5 | |
| 153 | Study of decomposition and stabilization of splat-cooled cubic ϵ phase UMo alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 223-231 | 5.7 | 24 |
| 152 | On the U ₂ U ₂ Al and U ₂ U ₂ Ta systems at 600 °C. <i>Intermetallics</i> , 2013 , 33, 16-26 | 3.5 | 8 |
| 151 | Thorium and uranium carbide cluster cations in the gas phase: similarities and differences between thorium and uranium. <i>Inorganic Chemistry</i> , 2013 , 52, 10968-75 | 5.1 | 13 |
| 150 | Unusual 5f magnetism in the U ₂ Fe ₃ Ge ternary Laves phase: a single crystal study. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 066010 | 1.8 | 9 |
| 149 | HOLZ rings in EBSD patterns of the UFeB ₁₂ compound: association with a random distribution of planar defects. <i>Microscopy and Microanalysis</i> , 2013 , 19, 1204-10 | 0.5 | 1 |
| 148 | Electron diffraction of ThMn ₁₂ Th ₂ n ₁₂ type structures in the Nd-Fe-Ti system. <i>Microscopy and Microanalysis</i> , 2013 , 19, 1211-5 | 0.5 | 1 |
| 147 | Infrared Spectra of Rh ₁₂ C and Rh ₁₃ C in Solid Neon and Solid Argon. <i>Chemical Physics Letters</i> , 2012 , 528, 7-10 | 2.5 | 0 |
| 146 | Crystal structure and magnetism of UFe ₃ B ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2649-2653 | 2.8 | 1 |
| 145 | Semiconducting glasses: A new class of thermoelectric materials?. <i>Journal of Solid State Chemistry</i> , 2012 , 193, 26-30 | 3.3 | 34 |
| 144 | On the new ternary RZnSn ₂ compounds with HfCuSi ₂ structure type. <i>Intermetallics</i> , 2012 , 20, 176-182 | 3.5 | 5 |

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| 143 | Crystal structure and magnetic properties of GdZn ₂ Ga ₂ . <i>Intermetallics</i> , 2012 , 22, 106-109 | 3.5 | 5 |
| 142 | Magnetic and transport properties of CePt ₃ Ge Kondo lattice in crystalline and sub-micron state. <i>Journal of Alloys and Compounds</i> , 2012 , 520, 22-29 | 5.7 | 1 |
| 141 | Thermodynamic Properties of RZnSn ₂ (R = Y, Er, Lu) Compounds with HfCuSi ₂ Structure Type. <i>Solid State Phenomena</i> , 2012 , 194, 67-70 | 0.4 | 2 |
| 140 | The BaAl ₄ Structure and its Derivatives from the R-Zn-Ga Systems. <i>Solid State Phenomena</i> , 2012 , 194, 5-9 | 0.4 | 2 |
| 139 | Electrical transport properties of CuS single crystals. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 015708 | 7.0 | 11 |
| 138 | Isothermal Sections of the U-Fe-Sb Ternary System. <i>Solid State Phenomena</i> , 2012 , 194, 21-25 | 0.4 | 2 |
| 137 | Crystal structure and magnetic properties of YbZn _{8.3} Ga _{2.7} with BaHg ₁₁ structure type. <i>Journal of Alloys and Compounds</i> , 2011 , 509, L14-L17 | 5.7 | 6 |
| 136 | Increase of TC in UFe _{2+x} synthesized by ultrafast cooling. <i>Intermetallics</i> , 2011 , 19, 113-120 | 3.5 | 5 |
| 135 | Structural and physical properties of the U ₉ Fe ₇ Ge ₂₄ uranium germanide. <i>Intermetallics</i> , 2011 , 19, 841-845 | 3.5 | 7 |
| 134 | On new ternary phases from EuZn _n (T=Al and Ga) systems. <i>Intermetallics</i> , 2011 , 19, 613-620 | 3.5 | 9 |
| 133 | New representatives with BaAl ₄ , La ₃ Al ₁₁ and BaHg ₁₁ structure types from the RZnGa systems (R = Y, Lu, Gd ^{III} m). <i>Intermetallics</i> , 2011 , 19, 1080-1084 | 3.5 | 4 |
| 132 | Crystal structure and properties of the new ternary YbZn _x Ga _{4-x} and Yb ₃ Zn _{11-x} Ga _x phases. <i>Intermetallics</i> , 2011 , 19, 1989-1995 | 3.5 | 3 |
| 131 | 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 |
| 130 | The Cu and Te coordination environments in Cu-doped Ge _{1-x} Se _x glasses. <i>Solid State Communications</i> , 2011 , 151, 1524-1527 | 1.6 | 14 |
| 129 | Crystal structure and magnetic properties of YbZn _{0.7} In _{1.3} . <i>Journal of Rare Earths</i> , 2011 , 29, 943-945 | 3.7 | |
| 128 | Magnetic and transport properties of transition-metal implanted ZnO single crystals. <i>European Physical Journal B</i> , 2011 , 79, 185-195 | 1.2 | 9 |
| 127 | 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 |
| 126 | Chalcogenide Glasses as Prospective Thermoelectric Materials. <i>Journal of Electronic Materials</i> , 2011 , 40, 1015-1017 | 1.9 | 22 |

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|-----|---|------|----|
| 125 | Single-crystal study on the heavy-fermion antiferromagnet UZn_2 . <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 045602 | 1.8 | 1 |
| 124 | Robust properties of the superconducting ferromagnet $UCoGe$. <i>Applied Physics Letters</i> , 2011 , 98, 132507 | 3.4 | 7 |
| 123 | The system uranium-palladium-boron with $U(2.5)Pd(20.5)B(6)$, a new heavy fermion compound. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 125601 | 1.8 | 2 |
| 122 | The $Yb_2Zn_3Al_3$ system: Partial isothermal section at 400 °C with 0B3.3 at.% Yb. <i>Intermetallics</i> , 2010 , 18, 655-665 | 3.5 | 10 |
| 121 | Partial oxidation of methane over bimetallic nickel-lanthanide oxides. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 316-323 | 5.7 | 38 |
| 120 | Studies on the new UFe_2B_6 phase. <i>Journal of Alloys and Compounds</i> , 2010 , 492, L13-L15 | 5.7 | 3 |
| 119 | Phase relations of the $Eu_2Zn_3Al_3$ system at 400°C from 0 to 33.3at.% Eu. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 39-44 | 5.7 | 9 |
| 118 | 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 |
| 117 | Novel RZn_2Ga_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 |
| 116 | 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 |
| 115 | Peculiarities of U-based Laves phases. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010 , 9, 012090 | 0.4 | 2 |
| 114 | Conducting glasses as new potential thermoelectric materials: the Cu_2Te case. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1516-1521 | | 68 |
| 113 | Cascade of Peritectic Reactions in the B-Fe-U System. <i>Journal of Phase Equilibria and Diffusion</i> , 2010 , 31, 104-112 | 1 | 4 |
| 112 | Partial oxidation of methane over bimetallic copper-berium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 2010 , 320, 47-55 | | 42 |
| 111 | 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 |
| 110 | Magnetic domain morphologies and wall energy in YFe_2Ti crystals. <i>Materials Characterization</i> , 2009 , 60, 1607-1612 | 3.9 | 2 |
| 109 | A study on red lead degradation in a medieval manuscript Lorvã Apocalypse (1189). <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 1966-1973 | 2.3 | 51 |
| 108 | Electrochemical behaviour of uranium (IV) in DMF at vitreous carbon. <i>Electrochimica Acta</i> , 2009 , 54, 7318-7323 | 3.4 | 4 |

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|-----|--|-----|----|
| 107 | Pulsed injection metal organic chemical vapour deposition and characterisation of thin CaO films. <i>Physica B: Condensed Matter</i> , 2009 , 404, 1398-1403 | 2.8 | 1 |
| 106 | Crystal structure and magnetic properties of UFe ₅ Ga ₇ . <i>Journal of Nuclear Materials</i> , 2009 , 389, 160-163 | 3.3 | 1 |
| 105 | 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 |
| 104 | Thermal studies on oxidation-reduction of LnCu ₂ intermetallic compounds and their catalytic behavior for 2-propanol decomposition. <i>Journal of Alloys and Compounds</i> , 2009 , 478, 687-693 | 5.7 | 10 |
| 103 | Isothermal section of the Ce _{1-x} Al _x system at 870 K. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 184-188 | 5.7 | 11 |
| 102 | The Yb ₂ Th system at 400°C: Partial isothermal section with 0B3.3at.% Yb. <i>Journal of Alloys and Compounds</i> , 2009 , 486, 148-153 | 5.7 | 3 |
| 101 | Magnetic microstructure of YFe ₁₁ Ti aggregates. <i>Journal of Alloys and Compounds</i> , 2009 , 487, 11-17 | 5.7 | 6 |
| 100 | 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 |
| 99 | Crystal structure and electronic properties of new uranium intermetallic compound UGa _{1.85} Zr _{0.15} . <i>Journal of Alloys and Compounds</i> , 2008 , 460, 83-89 | 5.7 | 0 |
| 98 | Isoprene gas phase hydrogenation catalyzed by ThNi ₂ and UNi ₂ . <i>Journal of Alloys and Compounds</i> , 2008 , 465, 361-366 | 5.7 | 10 |
| 97 | Phase relations and stabilities at 900 °C in the UBeBi ternary system. <i>Intermetallics</i> , 2008 , 16, 373-377 | 3.5 | 13 |
| 96 | Superconductivity and spin fluctuations in {Th,U}Pt ₄ Ge ₁₂ skutterudites. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 35 |
| 95 | 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 |
| 94 | Evidence of uranium magnetic ordering on U ₂ Fe ₃ Ge. <i>Solid State Communications</i> , 2008 , 148, 159-162 | 1.6 | 13 |
| 93 | Magnetic Properties of UFe _{2+x} Prepared by Splat Cooling. <i>Acta Physica Polonica A</i> , 2008 , 113, 247-250 | 0.6 | 4 |
| 92 | 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 |
| 91 | 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 |
| 90 | 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 |

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