

Antonio Pereira Gonçalves

List of Publications by Year in descending order

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243
papers

2,813
citations

201674

27
h-index

289244

40
g-index

249
all docs

249
docs citations

249
times ranked

2204
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport properties of the oxides $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ (0 ≤ x ≤ 1): Effects of band filling and lattice distortion on superconductivity. <i>Physical Review B</i> , 1988, 37, 7476-7481.	3.2	148
2	Purification of metallurgical grade silicon by acid leaching. <i>Hydrometallurgy</i> , 1990, 23, 237-246.	4.3	93
3	Conducting glasses as new potential thermoelectric materials: the Cu-Ge-Te case. <i>Journal of Materials Chemistry</i> , 2010, 20, 1516-1521.	6.7	76
4	New promising bulk thermoelectrics: intermetallics, pnictides and chalcogenides. <i>European Physical Journal B</i> , 2014, 87, 1.	1.5	67
5	Magnetic sublattice interactions in UFe_4Al_8 . <i>Physical Review B</i> , 1997, 55, 14370-14377.	3.2	59
6	A study on red lead degradation in a medieval manuscript <i>LorvÃ£o Apocalypse</i> (1189). <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1966-1973.	2.5	57
7	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, 8484-8488.	13.7	55
8	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.	2.7	46
9	Partial oxidation of methane over bimetallic copper-cerium oxide catalysts. <i>Journal of Molecular Catalysis A</i> , 2010, 320, 47-55.	4.8	45
10	Magnetic phase diagram of the semioordered alloys $UFexAl_{12-x}$. <i>Physical Review B</i> , 1999, 60, 9494-9500.	3.2	43
11	Influence of Thermal Treatment and Crystal Growth on the Final Composition and Magnetic Properties of the $YFexAl_{12-x}$ (4 ≤ x ≤ 4.2) Intermetallics. <i>Chemistry of Materials</i> , 2000, 12, 1743-1749.	6.7	42
12	Neutron-scattering study of the magnetic structure of $DyFe_4Al_8$ and $HoFe_4Al_8$. <i>Physical Review B</i> , 2000, 61, 6176-6188.	3.2	41
13	Partial oxidation of methane over bimetallic nickel-lanthanide oxides. <i>Journal of Alloys and Compounds</i> , 2010, 489, 316-323.	5.5	40
14	A comprehensive study of the crystallization of Cu-As-Te glasses: microstructure and thermoelectric properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8190.	10.3	39
15	Superconductivity and spin fluctuations in $\{Th,U\}Pt_4Ge_{12}$ skutterudites. <i>Physical Review B</i> , 2008, 78, .	3.2	38
16	Semiconducting glasses: A new class of thermoelectric materials?. <i>Journal of Solid State Chemistry</i> , 2012, 193, 26-30.	2.9	38
17	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.	2.6	37
18	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.	3.0	36

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19	Electronic properties of a distorted kagome lattice antiferromagnet DyMn_2Sb_2 . Physical Review B, 2014, 90, .	3.2	36
20	Magnetization of the Fe sublattices in UFeAl_{12} (4×5.8) studied by Mössbauer spectroscopy. Solid State Communications, 1999, 110, 369-374.	1.9	35
21	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.	5.5	33
22	High-Temperature Thermoelectric Properties of Sn -Doped As_2Te_3 . Advanced Electronic Materials, 2015, 1, 1400008.	5.1	32
23	Giant-magnetoresistance anomaly associated with a magnetization process in UFe_4Al_8 . Physical Review B, 1996, 53, R480-R483.	3.2	31
24	Electronic properties of U^{13} -U and superconductivity of U-Mo alloys. Physica C: Superconductivity and Its Applications, 2014, 498, 14-20.	1.2	31
25	Study of decomposition and stabilization of splat-cooled cubic U^{13} -phase U-Mo alloys. Journal of Alloys and Compounds, 2013, 580, 223-231.	5.5	30
26	Thermal stability and thermoelectric properties of $\text{Cu}_{40}\text{Te}_{60}$ semiconducting glasses. Journal of Solid State Chemistry, 2013, 203, 212-217.	2.9	29
27	Characterization of the ternary uranium-iron aluminide $\text{UFe}_2\text{Al}_{10}$. Intermetallics, 2004, 12, 189-194.	3.9	28
28	Ferromagnetism in ZnO doped with Co by ion implantation. Journal of Magnetism and Magnetic Materials, 2007, 316, e191-e194.	2.3	28
29	Magnetic structures of MFe_4Al_8 ($\text{M}=\text{Lu}, \text{Y}$). Physical Review B, 2001, 63, .	3.2	26
30	Anomalous magnetization cycle of UFe_4Al_8 single crystals: A Mössbauer effect study. Physical Review B, 1999, 60, 4074-4081.	3.2	25
31	Chalcogenide Glasses as Prospective Thermoelectric Materials. Journal of Electronic Materials, 2011, 40, 1015-1017.	2.2	25
32	Polymorphism in Thermoelectric As_2Te_3 . Inorganic Chemistry, 2015, 54, 9936-9947.	4.0	25
33	Isothermal section at 850°C of the U-Fe-Al ternary system. Intermetallics, 2005, 13, 580-585.	3.9	24
34	Partial oxidation of methane over bimetallic copper- and nickel-actinide oxides (Th, U). Journal of Alloys and Compounds, 2010, 497, 249-258.	5.5	24
35	Magnetic properties of a UFe_4Al_8 single crystal. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1417-1418.	2.3	23
36	High pressure studies of a new ternary actinide compound, $\text{UV}_2\text{Al}_{20}$. Journal of Alloys and Compounds, 2001, 319, 19-21.	5.5	23

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37	Growth of CuS platelet single crystals by the high-temperature solution growth technique. Journal of Crystal Growth, 2008, 310, 2742-2745.	1.5	23
38	Synthesis of methanol using copper ^f block element bimetallic oxides as catalysts and greenhouse gases (CO ₂ , CH ₄) as feedstock. Journal of Catalysis, 2016, 341, 24-32.	6.2	23
39	Phase relations and stabilities at 900°C in the U-Fe-Si ternary system. Intermetallics, 2008, 16, 373-377.	3.9	19
40	Fast and scalable preparation of tetrahedrite for thermoelectrics via glass crystallization. Journal of Alloys and Compounds, 2016, 664, 209-217.	5.5	19
41	Effect of Isovalent Substitution on the Electronic Structure and Thermoelectric Properties of the Solid Solution $\text{As}_{2-x}\text{Te}_3\text{Se}_x$ (0 ≤ x ≤ 1.5). Inorganic Chemistry, 2017, 56, 2248-2257.	4.0	18
42	UFe ₆ Ge ₆ : a new ternary magnetic compound. Journal of Alloys and Compounds, 1994, 204, 59-64.	5.5	17
43	Y-Fe-Al ternary system: partial isothermal section at 1070 K. Journal of Alloys and Compounds, 2001, 323-324, 78-82.	5.5	17
44	Peculiarities of hydrides. Journal of Magnetism and Magnetic Materials, 2007, 310, 945-947.	2.3	17
45	High thermoelectric performance in Sn-substituted As_2Te_3 . Journal of Materials Chemistry C, 2016, 4, 2329-2338.	5.5	17
46	Thermoelectric Properties of the As_2Te_3 Crystalline Phase. Journal of Electronic Materials, 2016, 45, 1447-1452.	2.2	17
47	⁵⁷ Fe Mössbauer spectroscopy study of the AF _x Al _{12-2x} intermetallics (A = Y, Tm, Lu and U, 4 ≤ x ≤ 4.3). Journal of Alloys and Compounds, 2001, 317-318, 44-51.	5.5	16
48	Isothermal section of the Ce-Au-Sb system at 870K. Journal of Alloys and Compounds, 2009, 479, 184-188.	5.5	16
49	Thorium and Uranium Carbide Cluster Cations in the Gas Phase: Similarities and Differences between Thorium and Uranium. Inorganic Chemistry, 2013, 52, 10968-10975.	4.0	16
50	Magnetic properties of Co-N thin films deposited by reactive sputtering. Thin Solid Films, 2014, 556, 125-127.	1.8	16
51	Analysis of thermoelectric generator incorporating n-magnesium silicide and p-tetrahedrite materials. Energy Conversion and Management, 2021, 236, 114003.	9.2	16
52	Isothermal section at 750°C of the U-Fe-Sn ternary system. Intermetallics, 2001, 9, 473-479.	3.9	15
53	Evidence of uranium magnetic ordering on U ₂ Fe ₃ Ge. Solid State Communications, 2008, 148, 159-162.	1.9	15
54	The Cu and Te coordination environments in Cu-doped Ge-Te glasses. Solid State Communications, 2011, 151, 1524-1527.	1.9	15

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55	Electrical transport properties of CuS single crystals. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 015701.	1.8	15
56	Oxidation Studies of Cu ₁₂ Sb _{3.9} Bi _{0.1} S ₁₀ Se ₃ Tetrahedrite. <i>Journal of Electronic Materials</i> , 2018, 47, 2880-2889.	2.2	15
57	Magnetic properties of UFe ₁₀ Si ₂ single crystal. <i>Journal of Alloys and Compounds</i> , 1995, 230, 35-41.	5.5	14
58	Crystallographic and magnetic properties of UFe _{5.8} Al _{6.2} single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 189, 283-292.	2.3	14
59	Synthesis, Crystal Structure, and Magnetic Properties of UFe ₅ Sn. <i>Journal of Solid State Chemistry</i> , 2000, 154, 551-556.	2.9	14
60	Crystal structure and electronic properties of the new compounds, U ₆ Fe ₁₆ Si ₇ and its interstitial carbide U ₆ Fe ₁₆ Si ₇ C. <i>Journal of Solid State Chemistry</i> , 2007, 180, 2926-2932.	2.9	14
61	On the ternary RE Mg ₁ Al ₂ (RE=Ag, 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=Ce, Nd, Sm) phases. <i>Solid State Sciences</i> , 2015, 40, 84-91.	3.2	14
62	Combining X-ray based methods to study the protohistoric bronze technology in Western Iberia. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 358, 117-123.	1.4	14
63	Stabilization of Metastable Thermoelectric Crystalline Phases by Tuning the Glass Composition in the CuAsTe System. <i>Inorganic Chemistry</i> , 2018, 57, 754-767.	4.0	14
64	Sintering and irradiation of copper-based high entropy alloys for nuclear fusion. <i>Fusion Engineering and Design</i> , 2019, 146, 1824-1828.	1.9	14
65	Actinide heterobimetallic oxides (Th, U): reduction studies. <i>Thermochimica Acta</i> , 2004, 420, 169-173.	2.7	13
66	Preparation of Yb ₂ O ₃ submicron- and nano-materials via electrospinning. <i>Ceramics International</i> , 2015, 41, 10795-10802.	4.8	13
67	Effect of Ni, Bi and Se on the tetrahedrite formation. <i>RSC Advances</i> , 2016, 6, 102359-102367.	3.6	13
68	Single crystal investigation of the binary Nd ₄ B compound. <i>Journal of Alloys and Compounds</i> , 2001, 316, L4-L6.	5.5	12
69	Magnetism in hydrogen-doped compounds. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 983-984.	2.7	12
70	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.	5.5	12
71	The Yb-Zn-Ga system: Partial isothermal section at 400°C with 0-33.3at.% Yb. <i>Intermetallics</i> , 2010, 18, 655-665.	3.9	12
72	Magnetic and transport properties of transition-metal implanted ZnO single crystals. <i>European Physical Journal B</i> , 2011, 79, 185-195.	1.5	12

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73	Isothermal section at 950Å°C of the Uâ€“Feâ€“B ternary system. Intermetallics, 2007, 15, 413-418.	3.9	11
74	Isoprene gas phase hydrogenation catalyzed by ThNi ₂ and UNi ₂ . Journal of Alloys and Compounds, 2008, 465, 361-366.	5.5	11
75	Phase relations of the Euâ€“Znâ€“Al system at 400Å°C from 0 to 33.3at.% Eu. Journal of Alloys and Compounds, 2010, 495, 39-44.	5.5	11
76	On new ternary phases from Euâ€“Znâ€“T (T=Al and Ga) systems. Intermetallics, 2011, 19, 613-620.	3.9	11
77	Electronic structure, low-temperature transport and thermodynamic properties of polymorphic Î²-As ₂ Te ₃ . RSC Advances, 2016, 6, 52048-52057.	3.6	11
78	Structural and physical properties of UFe ₁₀ Mo ₂ . Journal of Alloys and Compounds, 1995, 218, 183-189.	5.5	10
79	Mössbauer spectroscopy study of 3d-magnetic properties in UFe ₁₀ Si ₂ . Solid State Communications, 1997, 104, 271-276.	1.9	10
80	UFe ₂ Zn ₂₀ : a new uranium intermetallic compound. Journal of Alloys and Compounds, 1998, 271-273, 456-458.	5.5	10
81	Selective isoprene hydrogenation over LnNi (Ln=Pr, Gd, Tm) intermetallic compounds. Journal of Alloys and Compounds, 2001, 323-324, 610-613.	5.5	10
82	Crystal structure and magnetism of the Y ₂ Pd ₁₄ B ₅ compound. Journal of Alloys and Compounds, 2003, 360, 61-68.	5.5	10
83	Spin-glass-like behaviour in the ternary U ₃ Fe _{4+x} Al ₁₂ ~x uraniumâ€“iron aluminide. Intermetallics, 2009, 17, 25-31.	3.9	10
84	Unusual 5f magnetism in the U ₂ Fe ₃ Ge ternary Laves phase: a single crystal study. Journal of Physics Condensed Matter, 2013, 25, 066010.	1.8	10
85	Isothermal section of the ternary phase diagram Uâ€“Feâ€“Ge at 900 Å°C and its new intermetallic phases. Journal of Alloys and Compounds, 2015, 639, 224-234.	5.5	10
86	Thermoelectric properties and stability of glasses in the Cuâ€“Asâ€“Te system. Journal of the American Ceramic Society, 2017, 100, 2840-2851.	3.8	10
87	Structural, Magnetic, and Mössbauer Study of U ₂ Fe ₁₂ Al ₅ . Chemistry of Materials, 2002, 14, 4219-4228.	6.7	9
88	Crystal structure and magnetic properties of the UFe ₇ Al ₅ uraniumâ€“iron aluminide. Journal of Solid State Chemistry, 2003, 174, 302-309.	2.9	9
89	Crystal structure of the CeI ₃ compound. Journal of Alloys and Compounds, 2004, 373, L5-L7.	5.5	9
90	Magnetic, thermal, and transport properties of single-crystalline U ₃ Fe ₄ Ge ₄ . Journal of Alloys and Compounds, 2013, 555, 304-310.	5.5	9

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91	Crystal structure and electronic properties of the new compound U ₃ Fe ₄ Ge ₄ . Journal of Alloys and Compounds, 2013, 554, 408-413.	5.5	9
92	On the U ²⁺ -Cu ²⁺ -Al and U ²⁺ -Cu ²⁺ -Ga systems at 600 Å°C. Intermetallics, 2013, 33, 16-26. Effects of high pressure on the structural, magnetic, and transport properties of the itinerant	3.9	9
93	U ₂ U ₃ ferromagnet Physical Review B, 2014, 89, .	3.2	9
94	High field magnetoresistance of UFe ₄ Al ₈ . Physica B: Condensed Matter, 1995, 211, 139-141.	2.7	8
95	Structural and magnetic properties of UFe M ₁₂ Å ² (M = Al, Mo and Si) intermetallic compounds. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1419-1420.	2.3	8
96	Rh ₃ B ₂ Å ^x , new structure type of binary borides with triclinic symmetry. Journal of Solid State Chemistry, 2004, 177, 4237-4243.	2.9	8
97	X-Ray single-crystal investigation of rare earth osmium silicides. Journal of Alloys and Compounds, 2004, 363, 222-227.	5.5	8
98	La ₃ Ru ₈ B ₆ and Y ₃ O ₈ B ₆ , new members of a homologous series R(A) _n M ₃ n Å ¹ B ₂ n. Journal of Solid State Chemistry, 2007, 180, 2740-2746.	2.9	8
99	On the crystal structure of new series of compounds, RPt _{2+x} Sb ₂ Å ^y (x=0.125, y=0.25; R=La, Ce, Pr). Journal of Alloys and Compounds, 2008, 450, 215-221.	5.5	8
100	Novel RZn ₂ Ga ₂ (R=La, Ce, Pr, Nd, Sm) intermetallic compounds with BaAl ₄ -type structure. Journal of Alloys and Compounds, 2010, 508, 20-23.	5.5	8
101	Crystal structure and magnetic properties of YbZn _{8.3} Å ^{9.2} Ga _{2.7} Å ^{1.8} with BaHg ₁₁ structure type. Journal of Alloys and Compounds, 2011, 509, L14-L17.	5.5	8
102	Structural and physical properties of the U ₉ Fe ₇ Ge ₂₄ uranium germanide. Intermetallics, 2011, 19, 841-847.	3.9	8
103	Robust properties of the superconducting ferromagnet UCoGe. Applied Physics Letters, 2011, 98, 132507.	3.3	8
104	High-temperature thermoelectric properties of the Å ² -As ₂ Å ^x Bi _x Te ₃ solid solution. APL Materials, 2016, 4, 104901.	5.1	8
105	Tetrahedrites for Low Cost and Sustainable Thermoelectrics. Solid State Phenomena, 0, 257, 135-138.	0.3	8
106	Cu _x CrFeMoTi (x Å ⁻ 0.21, 0.44, 1) high entropy alloys as novel materials for fusion applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 238-239, 18-25.	3.5	8
107	Analysis and Design of a Silicide-Tetrahedrite Thermoelectric Generator Concept Suitable for Large-Scale Industrial Waste Heat Recovery. Energies, 2021, 14, 5655.	3.1	8
108	Physical properties of the series of oxides Y _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ Å ^Å (0 Å ^a Å ^a 1). Physica C: Superconductivity and Its Applications, 1988, 153-155, 910-911.	1.2	7

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109	Evolution of magnetism in the $UFexAl_{12-x}$ intermetallic series. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1339-1340.	2.7	7
110	$Ce_{2}Ir_{5}B_{2}$, a new structure type of ternary borides. <i>Journal of Alloys and Compounds</i> , 2003, 360, 131-136.	5.5	7
111	Ternary $RPt_{4}B$ ($R=La, Ce, Pr, Nd$) compounds; structural and physical characterisation. <i>Intermetallics</i> , 2004, 12, 1325-1334.	3.9	7
112	Thermoelectric properties of ternary compounds from the $U-Fe-Si$ system. <i>Journal of Alloys and Compounds</i> , 2007, 442, 348-350.	5.5	7
113	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.	6.7	7
114	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
115	Low-Temperature Transport Properties of Bi-Substituted $\hat{I}^{2}-As_{2}Te_{3}$ Compounds. <i>Journal of Electronic Materials</i> , 2016, 45, 1786-1791.	2.2	7
116	Tetrahedrite Sintering Conditions: The $Cu_{11}Mn_{1}Sb_{4}S_{13}$ Case. <i>Journal of Electronic Materials</i> , 2020, 49, 5077-5083.	2.2	7
117	Systematical investigation of the $Y-Fe-Al$ ternary system. <i>Journal of Alloys and Compounds</i> , 2000, 296, 98-102.	5.5	6
118	Formation of $Al-Fe$ surface alloys by ion implantation of Fe in Al . <i>Surface and Coatings Technology</i> , 2002, 158-159, 339-342.	4.8	6
119	Crystal structure of a new UGa_{2} phase. <i>Journal of Alloys and Compounds</i> , 2005, 394, L1-L4.	5.5	6
120	Crystal structure, ^{57}Fe Mössbauer spectroscopy and magnetization of $U_{x}Fe_{6}Sn_{6}$ ($0 \leq x \leq 0.6$). <i>Intermetallics</i> , 2005, 13, 490-496.	3.9	6
121	Effect of Fe site distribution on the magnetic properties of $UFe_{4}Al_{8-x}Gax$ ($.0$ and 1.5) and $UFexAl_{12-x}$ ($.$). <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 302, 282-289.	2.3	6
122	Structural investigation of the $CeRh_{2}Sb_{2-x}$ compound. <i>Journal of Alloys and Compounds</i> , 2007, 431, 85-88.	5.5	6
123	Crystal structure and magnetism of $YPt_{2}B$. <i>Journal of Alloys and Compounds</i> , 2007, 438, 62-65.	5.5	6
124	5f Magnetism studied in complex intermetallic U-based hydrides. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 606-609.	5.5	6
125	Magnetic microstructure of $YFe_{11}Ti$ aggregates. <i>Journal of Alloys and Compounds</i> , 2009, 487, 11-17.	5.5	6
126	Increase of TC in UFe_{2+x} synthesized by ultrafast cooling. <i>Intermetallics</i> , 2011, 19, 113-120.	3.9	6

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127	On the new ternary RZnSn ₂ compounds with HfCuSi ₂ structure type. <i>Intermetallics</i> , 2012, 20, 176-182.	3.9	6
128	Crystal structure and magnetic properties of GdZn ₂ Ga ₂ . <i>Intermetallics</i> , 2012, 22, 106-109.	3.9	6
129	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.	5.5	6
130	Synthesis and Structural/Physical Properties of U ₃ Fe ₂ Ge ₇ : A Single-Crystal Study. <i>Inorganic Chemistry</i> , 2015, 54, 9646-9655.	4.0	6
131	Effect of Composition on Thermoelectric Properties of As-Cast Materials: The Cu ₁₂ CoxSb ₄ S ₁₃ Y _{Se} y Case. <i>Journal of Electronic Materials</i> , 2019, 48, 2028-2035.	2.2	6
132	Towards the Use of Cu-S Based Synthetic Minerals for Thermoelectric Applications. <i>Semiconductors</i> , 2019, 53, 1817-1824.	0.5	6
133	Effect of oxygen content in the thermoelectric power of YBa ₂ Cu ₃ O _{7-x} . <i>Physica C: Superconductivity and Its Applications</i> , 1988, 153-155, 1345-1346.	1.2	5
134	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.	1.2	5
135	Anomalous magnetisation process in UFe ₄ Al ₈ probed by magnetisation and magnetoresistance. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 690-691.	2.3	5
136	A new magnetic intermetallic compound: UFe ₆ Ga ₆ . <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 157-158, 692-693.	2.3	5
137	Magnetization density in. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4071-4079.	1.8	5
138	Effect of interstitial hydrogen on UFe _x Al _{12-x} . <i>Journal of Alloys and Compounds</i> , 2001, 317-318, 88-91.	5.5	5
139	High-pressure studies of a ThMn ₁₂ -type actinide compound: UFe ₅ Al ₇ . <i>Journal of Physics Condensed Matter</i> , 2002, 14, 11189-11193.	1.8	5
140	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.	2.3	5
141	On the crystal structure of Sc ₂ MB ₆ (M=Rh, Ir) compounds. <i>Journal of Alloys and Compounds</i> , 2005, 396, 240-242.	5.5	5
142	Electrical resistivity and specific heat studies of NpFe ₄ Al ₈ . <i>Journal of Alloys and Compounds</i> , 2006, 416, 164-168.	5.5	5
143	Crystal structure and magnetic properties of UFe ₃ Al ₉ . <i>Physica B: Condensed Matter</i> , 2006, 373, 8-15.	2.7	5
144	R(Au ^{1/40.75} Sb ^{1/40.25}) ₂ (R=La, Ce, Pr) with UHg ₂ structure type, new members of the AlB ₂ family. <i>Journal of Alloys and Compounds</i> , 2007, 429, 140-142.	5.5	5

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145	Electrochemical behaviour of uranium (IV) in DMF at vitreous carbon. <i>Electrochimica Acta</i> , 2009, 54, 7318-7323.	5.2	5
146	The Yb-Zn-In system at 400°C: Partial isothermal section with 0-33.3at.% Yb. <i>Journal of Alloys and Compounds</i> , 2009, 486, 148-153.	5.5	5
147	New representatives with BaAl ₄ , La ₃ Al ₁₁ and BaHg ₁₁ structure types from the Zn-Ga systems (Zn _{1-x} Y _x). <i>TJ ETOq1 1 0,784314</i>	3.9	5
148	Alternative Strategies for Thermoelectric Materials Development. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 1-24.	0.3	5
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