

Andrei Galatanu

List of Publications by Year in descending order

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85
papers

1,433
citations

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34
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all docs

85
docs citations

85
times ranked

1519
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The inclusion of ceramic carbides dispersion in In and Yb filled CoSb ₃ and their effect on the thermoelectric performance. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162400. | 5.5 | 8 |
| 2 | Influence of the synthesis parameters on the transport properties of Mg ₂ Si _{0.4} Sn _{0.6} solid solutions produced by melting and spark plasma sintering. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 163, 110561. | 4.0 | 4 |
| 3 | Irradiation of W and K-Doped W Laminates without or with Cu, V, Ti Interlayers under a Pulsed 6 MeV Electron Beam. <i>Materials</i> , 2022, 15, 956. | 2.9 | 2 |
| 4 | The effects of mechanical alloying on the physical and thermal properties of CuCrFeTiV alloy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 263, 114805. | 3.5 | 5 |
| 5 | Beneficial effects of a WC addition in FAST-densified tungsten. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 772, 138666. | 5.6 | 8 |
| 6 | Optical Properties of Composites Based on Graphene Oxide and Polystyrene. <i>Molecules</i> , 2020, 25, 2419. | 3.8 | 14 |
| 7 | Effect of Cr and V coatings on W base material in W-Eurofer brazed joints for fusion applications. <i>Fusion Engineering and Design</i> , 2020, 159, 111748. | 1.9 | 7 |
| 8 | Thermophysical and mechanical properties of W-Cu laminates produced by FAST joining. <i>Fusion Engineering and Design</i> , 2019, 146, 2371-2374. | 1.9 | 10 |
| 9 | Development of W-monoblock divertor components with embedded thermal barrier interfaces. <i>Fusion Engineering and Design</i> , 2019, 146, 1351-1354. | 1.9 | 3 |
| 10 | 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 |
| 11 | High temperature thermo-physical properties of SPS-ed W-Cu functional gradient materials. <i>Materials Research Express</i> , 2018, 5, 026502. | 1.6 | 9 |
| 12 | Thermophysical properties of Cu-ZrO ₂ composites as potential thermal barrier materials for a DEMO W-monoblock divertor. <i>Fusion Engineering and Design</i> , 2018, 127, 179-184. | 1.9 | 11 |
| 13 | Cracks and nanodroplets produced on tungsten surface samples by dense plasma jets. <i>Applied Surface Science</i> , 2018, 434, 1122-1128. | 6.1 | 6 |
| 14 | Flexible Delivery Patch Systems based on Thermoresponsive Hydrogels and Submicronic Fiber Heaters. <i>Scientific Reports</i> , 2018, 8, 17555. | 3.3 | 24 |
| 15 | Cu-based composites as thermal barrier materials in DEMO divertor components. <i>Fusion Engineering and Design</i> , 2017, 124, 1131-1134. | 1.9 | 12 |
| 16 | Thermal conductivity and diffusivity of Cu-Y alloys produced by different powder metallurgy routes. <i>Fusion Engineering and Design</i> , 2017, 124, 1156-1160. | 1.9 | 9 |
| 17 | Melt infiltrated tungsten-copper composites as advanced heat sink materials for plasma facing components of future nuclear fusion devices. <i>Fusion Engineering and Design</i> , 2017, 124, 455-459. | 1.9 | 63 |
| 18 | Direct and contactless electrical control of temperature of paper and textile foldable substrates using electrospun metallic-web transparent electrodes. <i>Scientific Reports</i> , 2016, 6, 34584. | 3.3 | 18 |

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|----|---|-----|-----------|
| 19 | W-Ta Composites Consolidated by Spark Plasma Sintering. Microscopy and Microanalysis, 2015, 21, 27-28. | 0.4 | 0 |
| 20 | Low-activation Wâ€“Siâ€“C composites for fusion application. Fusion Engineering and Design, 2015, 100, 638-645. | 1.9 | 6 |
| 21 | Consolidation of Wâ€“Ta composites: Hot isostatic pressing and spark and pulse plasma sintering. Fusion Engineering and Design, 2015, 98-99, 1950-1955. | 1.9 | 31 |
| 22 | Iron oxide magnetic nanoparticles with versatile surface functions based on dopamine anchors. Nanoscale, 2013, 5, 2692. | 5.6 | 114 |
| 23 | Direct sintering of SiCâ€“W composites with enhanced thermal conductivity. Fusion Engineering and Design, 2013, 88, 2598-2602. | 1.9 | 13 |
| 24 | The formation, structure and physical properties of M ₂ Pd ₁₄ +xB ₅ âˆ“y compounds, with M = La, Ce, Pr, Nd, Sm, Eu, Gd, Lu and Th. Journal of Physics Condensed Matter, 2009, 21, 305401. | 1.8 | 7 |
| 25 | Shape memory and associated properties in Feâ€“Mnâ€“Si-based ribbons produced by melt-spinning. Journal of Magnetism and Magnetic Materials, 2008, 320, e164-e167. | 2.3 | 9 |
| 26 | Low temperature magnetic and transport properties in compounds. Physica B: Condensed Matter, 2008, 403, 937-939. | 2.7 | 1 |
| 27 | Superconductivity in the complex metallic alloy $\frac{Al}{Mg} \frac{3}{2}$. Physical Review B, 2007, 76. | 3.2 | 44 |
| 28 | Synthesis, crystal structure and magnetic properties of Yb ₈ Ag _{18.5} Al _{47.5} , Yb ₂ Pd ₂ Cd and Yb _{1.35} Pd ₂ Cd _{0.65} . Journal of Magnetism and Magnetic Materials, 2007, 308, 143-152. | 2.3 | 14 |
| 29 | Magnetic behaviour of at high temperatures. Physica B: Condensed Matter, 2006, 378-380, 999-1000. | 2.7 | 5 |
| 30 | Crossover of the 5f electrons from itinerant to localized in UPtGa ₅ . Physica B: Condensed Matter, 2006, 378-380, 972-973. | 2.7 | 0 |
| 31 | Detailed study of the CePd ₂ âˆ“xNi _x Al ₃ magnetic phase diagram around its critical concentration. Journal of Physics Condensed Matter, 2006, 18, 3789-3802. | 1.8 | 2 |
| 32 | Magnetic and Fermi Surface Properties in Ferromagnets NdRh ₃ B ₂ and GdRh ₃ B ₂ . Journal of the Physical Society of Japan, 2006, 75, 064702. | 1.6 | 3 |
| 33 | Electrical and Magnetic Properties of a Single Crystal UCu ₂ Si ₂ . Journal of the Physical Society of Japan, 2005, 74, 1552-1556. | 1.6 | 25 |
| 34 | High-Temperature Magnetic Investigations on Uranium Compounds. Journal of the Physical Society of Japan, 2005, 74, 1582-1597. | 1.6 | 39 |
| 35 | Single-crystal growth and magnetic properties of a new ternary uranium compound U ₃ Ni ₅ Al ₁₉ . Physica B: Condensed Matter, 2005, 359-361, 1006-1008. | 2.7 | 1 |
| 36 | CEF-scheme of a semimetal. Physica B: Condensed Matter, 2005, 359-361, 323-325. | 2.7 | 1 |

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| 37 | Antiferromagnetic and ferromagnetic phases of. Physica B: Condensed Matter, 2005, 359-361, 1069-1071. | 2.7 | 3 |
| 38 | Magnetic properties of UTGa5 (T: transition metal). Physica B: Condensed Matter, 2005, 359-361, 1039-1041. | 2.7 | 22 |
| 39 | Magnetic and Moessbauer Spectral Studies of Ln ₃ Fe _{29-x} Mox Compounds (Ln: Y, Nd, Sm, Gd, Tb, and Dy).. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 40 | Magnetic structure and crystal field excitation in heavy fermion superconductor CePt3Si. Physica B: Condensed Matter, 2005, 359-361, 383-385. | 2.7 | 1 |
| 41 | Magnetic and Mössbauer spectral studies of R ₃ Fe _{29-x} Mox compounds (R=Y, Nd, Sm, Gd, Tb, and Dy). Journal of Alloys and Compounds, 2005, 392, 31-39. | 5.5 | 5 |
| 42 | High Temperature Magnetic Properties of UIr Single Crystals. Journal of the Physical Society of Japan, 2004, 73, 766-767. | 1.6 | 18 |
| 43 | Magnetic structure and the crystal field excitation in heavy-fermion antiferromagnetic superconductor CePt3Si. Journal of Physics Condensed Matter, 2004, 16, L207-L212. | 1.8 | 63 |
| 44 | Single crystal growth and magnetic property of UNiSb ₂ . Journal of Magnetism and Magnetic Materials, 2004, 272-276, 62-63. | 2.3 | 6 |
| 45 | Thermal expansion and magnetostriction in CeRh3B2. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E17-E18. | 2.3 | 1 |
| 46 | Electrical, Thermal and Magnetic Properties of CeNiIn ₄ . Journal of the Physical Society of Japan, 2004, 73, 664-668. | 1.6 | 7 |
| 47 | Electronic, Magnetic and Superconducting Properties of Quasi-two Dimensional Compounds Ce ₂ RhIn ₈ and La ₂ RhIn ₈ . Journal of the Physical Society of Japan, 2004, 73, 649-655. | 1.6 | 22 |
| 48 | Magnetic and Fermi Surface Properties of an Antiferromagnet Ce ₃ Sn ₇ . Journal of the Physical Society of Japan, 2004, 73, 2276-2282. | 1.6 | 2 |
| 49 | Magnetic and Fermi Surface Properties in PrRh3B2. Journal of the Physical Society of Japan, 2004, 73, 2266-2275. | 1.6 | 13 |
| 50 | Small Saturation Moment due to the Crystalline Electric Field Effect for Th Site Symmetry in the Ferromagnet UFe ₄ P ₁₂ . Journal of the Physical Society of Japan, 2004, 73, 2533-2538. | 1.6 | 8 |
| 51 | Electrical and magnetic properties of the cerium transition metal intermetallics CeTSb ₂ (T: Cu, Au,) Tj ETQq1 1 0,784314 rgBT /Overle | 2.7 | 9 |
| 52 | Magnetic Properties of CeNiGe ₂ . Journal of the Physical Society of Japan, 2003, 72, 2692-2693. | 1.6 | 8 |
| 53 | Crystal structure, magnetic ordering, and magnetic excitation in the 4f-localized ferromagnet CeAgSb ₂ . Physical Review B, 2003, 68, . | 3.2 | 47 |
| 54 | Anisotropic electrical and magnetic properties of CeTSb ₂ (T=Cu, Au, and Ni) single crystals. Physical Review B, 2003, 68, . | 3.2 | 58 |

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| 55 | Anisotropic, thermal, and magnetic properties of CeAgSb ₂ : Explanation via a crystalline electric field scheme. <i>Physical Review B</i> , 2003, 67, . | 3.2 | 57 |
| 56 | Low Temperature Magnetic Properties of CeTb ₂ (T: Ni, Cu and Ag) Single Crystals. <i>Journal of the Physical Society of Japan</i> , 2003, 72, 2632-2639. | 1.6 | 25 |
| 57 | Single Crystal Growth and Magnetic Properties of 5f-itinerant Antiferromagnet UPdGa ₅ . <i>Journal of the Physical Society of Japan</i> , 2003, 72, 2622-2626. | 1.6 | 16 |
| 58 | On the unusual magnetic behaviour of CeRh ₃ B ₂ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, S2187-S2191. | 1.8 | 12 |
| 59 | Magnetic Compton scattering study of CeRh ₃ B ₂ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, S2183-S2186. | 1.8 | 17 |
| 60 | Unique Fermi surfaces with quasi-one-dimensional character in CeRh ₃ B ₂ and LaRh ₃ B ₂ . <i>Journal of Physics Condensed Matter</i> , 2003, 15, L721-L727. | 1.8 | 15 |
| 61 | Magnetic Properties and a Change of the Electrical Resistivity under Pressure in CePtGe ₂ . <i>Journal of the Physical Society of Japan</i> , 2003, 72, 2338-2343. | 1.6 | 8 |
| 62 | An unusual hollow cylindrical Fermi surface of a quasi-two-dimensional compound CeAgSb ₂ . <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002, 82, 1867-1892. | 0.6 | 19 |
| 63 | Pressure Studies on Fe _{1-x} Si _{1+x} Single Crystals ($\delta \sim 0.003 \leq x \leq 0.025$). <i>High Pressure Research</i> , 2002, 22, 205-208. | 1.2 | 3 |
| 64 | Loss of magnetism in CePd _{2-x} Ni _x Al ₃ . <i>Physica B: Condensed Matter</i> , 2002, 312-313, 464-465. | 2.7 | 2 |
| 65 | Magnetic behaviour of PrFe ₄ Sb ₁₂ and NdFe ₄ Sb ₁₂ skutterudites. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 840-842. | 2.7 | 31 |
| 66 | Characterization and physical properties of the intermetallics Yb ₂ T ₂ In (T=Cu, Pd, Au). <i>Intermetallics</i> , 2001, 9, 481-485. | 3.9 | 28 |
| 67 | Pressure response of. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 227-228. | 2.3 | 5 |
| 68 | Physical properties and superconductivity of skutterudite-related Yb ₃ Co _{4.3} Sn _{12.7} and Yb ₃ Co ₄ Ge ₁₃ . <i>Journal of Physics Condensed Matter</i> , 2001, 13, 7391-7402. | 1.8 | 21 |
| 69 | Experimental study of physical properties in the complex magnetic phase diagram of Ce(Rh _{1-x} Ru _x) ₃ B ₂ . <i>Physical Review B</i> , 2001, 64, . | 3.2 | 7 |
| 70 | Crystal structure and physical properties of Eu _{0.83} Fe ₄ Sb ₁₂ . <i>Physical Review B</i> , 2001, 63, . | 3.2 | 50 |
| 71 | Onset of magnetism and Fermi-liquid instabilities in Yb compounds. <i>Physica B: Condensed Matter</i> , 2000, 281-282, 319-325. | 2.7 | 9 |
| 72 | Low-temperature behaviour of CePd _{2-x} Ni _x Al ₃ . <i>Physica B: Condensed Matter</i> , 2000, 281-282, 83-85. | 2.7 | 7 |

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|----|--|-----|-----------|
| 73 | Structural and magnetic investigation of nonstoichiometric YFe ₁₀ V ₂ and its interstitial carbide prepared by arc-melting. Journal of Alloys and Compounds, 2000, 299, 45-54. | 5.5 | 5 |
| 74 | Physical properties of skutterudites, M = Fe, Co, Rh, Ir. European Physical Journal B, 2000, 14, 483-493. | 1.5 | 74 |
| 75 | Non-Fermi-liquid behavior of YbCu _{5-x} Al _x . Physical Review B, 1999, 60, 1238-1246. | 3.2 | 35 |
| 76 | ⁵⁷ Fe Mössbauer study of Pr _m (Fe, Mo) _n compounds with m:n=2:17 and 1:12. Journal of Alloys and Compounds, 1999, 285, 37-47. | 5.5 | 6 |
| 77 | New phase boundary between magnetic and non-Fermi-liquid in Ce(Rh _{1-x} Ru _x) ₃ B ₂ , for 0 ≤ x ≤ 0.4. Journal of Applied Physics, 1998, 83, 6423-6425. | 2.5 | 4 |
| 78 | Local effects of interstitial versus substitutional atoms in Y ₂ Fe _{17-x} M _x A _y compounds, with M=Al or Si and A=C or N. Journal of Applied Physics, 1997, 82, 6193-6202. | 2.5 | 4 |
| 79 | Effect of aluminium on phase stability in the Gd ₃ Co ₁₁ (B,Al) ₄ system. Journal of Alloys and Compounds, 1997, 262-263, 356-362. | 5.5 | 8 |
| 80 | Structural properties of conducting and semiconducting polymers. Physica B: Condensed Matter, 1997, 234-236, 242-244. | 2.7 | 2 |
| 81 | Preferential cobalt site occupation in some R ₃ (Co, M) ₁₁ B ₄ compounds. Solid State Communications, 1997, 102, 23-27. | 1.9 | 8 |
| 82 | Magnetic properties of Gd ₃ Co _{11-x} Ni _x B ₄ compounds. Journal of Magnetism and Magnetic Materials, 1996, 162, 50-54. | 2.3 | 3 |
| 83 | A study of the pressure dependent resistivity of hexagonal CePd ₂ Al ₃ and CePd ₂ Ga ₃ . Physica B: Condensed Matter, 1995, 206-207, 231-233. | 2.7 | 13 |
| 84 | The transport properties of RCo ₂ compounds. Journal of Physics Condensed Matter, 1995, 7, 6687-6706. | 1.8 | 57 |
| 85 | Pressure- and field-dependent behavior of YbCu ₄ Au. Physical Review B, 1994, 50, 9300-9307. | 3.2 | 47 |