Aletta Prinsloo

List of Publications by Year
in descending order

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63 papers	340 citations	840776 11 h-index	940533 16 g-index
64 all docs	64 docs citations	64 times ranked	301 citing authors

#	Article	IF	Citations
1	Magnetic susceptibility studies of the (Cr84Re16)100â^'V alloy system. Journal of Magnetism and Magnetic Materials, 2022, 546, 168856.	2.3	1
2	Structural and magnetic properties of DyCrTiO5 nanoparticles. Journal of Magnetism and Magnetic Materials, 2022, 546, 168862.	2.3	2
3	Seebeck coefficient of Cr_{100â^'z}Os_z alloy system. AIP Advances, 2022, 12, 035324.	1.3	0
4	Anomalous magnetic properties of GdCrTiO₅ nanoparticles. AIP Advances, 2022, 12, 035245.	1.3	1
5	Structural and magnetic properties of DyCrO3. AIP Advances, 2022, 12, .	1.3	6
6	Thermal decomposition of GdCrO4 to GdCrO3: Structure and magnetism. AIP Advances, 2021, 11, 015235.	1.3	4
7	Neutron diffraction study of the Cr84.7Re15.3 alloy. AIP Advances, 2021, 11, 015037.	1.3	0
8	Jahnâ€"Teller distortions in (Co1â€"xCux)Cr2O4 (x = 0.5, 0.25) nanoparticles: Structural, magnetic and electronic properties. AIP Advances, 2021, 11, 025113.	1.3	0
9	Observation of a superparamagnetic breakdown in gadolinium chloride filled double-walled carbon nanotubes. AIP Advances, 2021, 11, 035206.	1.3	1
10	Magnetization Reversals of Fe81Ga19 -Based Flexible Thin Films Under Multiaxial Mechanical Stress. Physical Review Applied, 2021, 15, .	3.8	3
11	Physical properties and magnetic phase diagram of (Cr90Ir10)100-V alloy system. Journal of Alloys and Compounds, 2021, 872, 159635.	5.5	1
12	Spin glass effects in the (Cr84Re16)99.6Mn0.4 alloy. AIP Advances, 2021, 11, 015012.	1.3	0
13	Unraveling the Charge State of Oxygen Vacancies in Monoclinic ZrO₂ and Spectroscopic Properties of ZrO₂:Sm³⁺ Phosphor. Journal of Physical Chemistry C, 2021, 125, 27106-27117.	3.1	15
14	Structure and magnetic phase transitions in (Ni1â^'Co)Cr2O4 spinel nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 498, 166217.	2.3	13
15	Role of Ni substitution on structural, magnetic and electronic properties of epitaxial CoCr₂O₄ spinel thin films. Nanotechnology, 2020, 31, 285708.	2.6	13
16	Electrical Manipulation of Magnetic Anisotropy in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>81</mml:mn></mml:msub><mml:msub><mml:mi>Ga</mml:mi><mml		

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19	Jahnâ€“Teller distorted Cu1â^'xNixCr2O4 (xâ€‰=â€‰0, 0.5, 1) nanoparticles. Surface Science Spectra, 2020, 27, 024015.	1.3	0
20	Field induced magnetic properties of Ni doped CoCr2O4. AIP Conference Proceedings, 2019, , .	0.4	3
21	Thickness dependence of magnetization reversal and magnetostriction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mi>Fe</mml:mi><mml:mn>81</mml:mn></mml:msub><mml:msub><mml:mi>Ga</mml:mi><mml:mi><m thin films. Physical Review Applied, 2019, 12, .	3.8	16
22	Thermal simulation of magnetization reversals for a size-distributed assembly of nanoparticles with uniaxial and cubic anisotropies. Journal of Applied Physics, 2019, 126, 133901.	2.5	3
23	Quantum criticality in the (Cr98.4Al1.6)100-Mo alloy system. Journal of Alloys and Compounds, 2019, 793, 127-133.	5.5	2
24	Thermal transport properties, magnetic susceptibility and neutron diffraction studies of the (Cr 100-x) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.7	6
25	Sol-gel synthesis of Mn Ni1Co2O4 spinel phase materials: Structural, electronic, and magnetic properties. Journal of Alloys and Compounds, 2018, 742, 78-89.	5.5	40
26	Structural and magnetic properties of (Co1â€“xNix)Cr2O4 (x = 0.5, 0.25) nanoparticles. AIP Advances, 2018, 8, .	1.3	19
27	Effect of cobalt substitution on the magnetic properties of nickel chromite. Journal of Magnetism and Magnetic Materials, 2018, 451, 20-28.	2.3	22
28	Mn substituted Mn_xZn_{1â^'x}Co₂O₄ oxides synthesized by co-precipitation; effect of doping on the structural, electronic and magnetic properties. RSC Advances, 2018, 8, 39837-39848.	3.6	16
29	Influence of mesoporous or parasitic BiFeO3 structural state on the magnetization reversal in multiferroic BiFeO3/Ni81Fe19 polycrystalline bilayers. Journal of Applied Physics, 2018, 124, .	2.5	2
30	Effect of Fe Substitution on Structural and Magnetic Properties of NiCr₂O₄. Acta Physica Polonica A, 2018, 133, 574-577.	0.5	9
31	Residual Stress in Cr99Al1 Polycrystalline Thin Films. Acta Physica Polonica A, 2018, 133, 578-581.	0.5	0
32	Spin density wave behaviour in the (Cr_{98.4}Al_{1.6})_{100-y}Mo_yand (Cr_{100-x}Al_x)₉₅Mo₅alloy series. Journal of Physics: Conference Series, 2017, 903, 012028.	0.4	0
33	Superconductivity and Quantum Critical Behavior in Cr_{100-z}Os_z. Acta Physica Polonica A, 2017, 131, 1132-1134.	0.5	2
34	Thermal simulation of magnetization reversals for size-distributed assemblies of core-shell exchange biased nanoparticles. Journal of Applied Physics, 2016, 120, 083905.	2.5	4
35	Low temperature and magnetic field behaviour of the (Cr84Re16)89.6V10.4 alloy. Journal of Applied Physics, 2014, 115, .	2.5	2
36	Putative quantum criticality in the (Cr90Ir10)100â^'yVy alloy system. Journal of Applied Physics, 2014, 115, 17E120.	2.5	1

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37	Spin-density-wave effects in the (Cr98.4Al1.6)100â^'yMoy alloy system. Journal of Magnetism and Magnetic Materials, 2014, 354, 222-230.	2.3	3
38	Anomalous triple point effects in the spin-density-wave Cr1â^'xAlx alloy system. Journal of Alloys and Compounds, 2014, 595, 164-177.	5.5	5
39	Evolution of thermopower across a quantum-critical point: the (Cr86Ru14)1â^'x V x system. Journal of the Korean Physical Society, 2013, 63, 756-761.	0.7	3
40	Driving the magnetization reversal below the blocking temperature in exchange biased NiFe/NiO. Journal of Applied Physics, 2013, 114, 093904.	2.5	1
41	Possible quantum critical behaviour in the (Cr84Re16)100â^'yVy alloy system. Journal of Applied Physics, 2013, 113, .	2.5	9
42	Quantum critical behaviour in the (Cr97.8Si2.2)100â^'yMoy alloy system. Journal of Applied Physics, 2013, 113, 17E146.	2.5	4
43	Evidence for a possible quantum critical point in a Cr-Si alloy doped with Mo. Journal of Applied Physics, 2011, 109, 07E104.	2.5	6
44	Electrical and thermal transport properties of Cr-Si alloy single crystals. Journal of Physics: Conference Series, 2010, 200, 022048.	0.4	0
45	Scaling of spin-density-wave effects in the quantum critical (Cr₈₆Ru₁₄)_{1â^'x}V_xalloy system. Journal of Physics: Conference Series, 2010, 200, 022050.	0.4	1
46	Influence of growth morphology on the NÃ©el temperature of CrRu thin films and heterostructures. Journal of Magnetism and Magnetic Materials, 2010, 322, 1126-1129.	2.3	1
47	Electrical transport and specific heat of a Cr+2.2at% Al single crystal. Journal of Magnetism and Magnetic Materials, 2010, 322, 1092-1094.	2.3	5
48	Magnetic properties of Crâ€“Feâ€“Mn alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 61-73.	2.3	4
49	Quantum critical behavior of the (Cr86Ru14)1â^'xVx alloy system. Journal of Applied Physics, 2008, 103, 07C903.	2.5	13
50	Magnetic behaviour of the itinerant electron antiferromagnetic system Cr+14 at% Ru doped with V. Journal of Magnetism and Magnetic Materials, 2007, 310, 1044-1045.	2.3	1
51	Antiferromagnetism in a Cr86Ru14 alloy. Journal of Alloys and Compounds, 2006, 426, 83-92.	5.5	7
52	Magnetic effects in an itinerant electron antiferromagnetic Cr+1.72at.%Fe alloy single crystal. Journal of Applied Physics, 2006, 99, 08F706.	2.5	1
53	Influence of V and Mn doping on the electrical transport properties of a Cr+1.2at.% Ga alloy. Journal of Alloys and Compounds, 2005, 393, 16-25.	5.5	2
54	Magnetoelastic interactions in a Fe alloy single crystal. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2084-2085.	2.3	0

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55	Hysteretic Spin-Density-Wave Ordering in Confined Geometries. Physical Review Letters, 2003, 91, 237201.	7.8	25
56	Unusual magnetic effects in an itinerant electron antiferromagnetic Crâ€“Pt alloy single crystal. Journal of Applied Physics, 2003, 93, 7269-7271.	2.5	1
57	High-pressure ultrasonic properties of spin-density-wave Crâ€“Re alloy single crystals. Journal of Alloys and Compounds, 2002, 340, 27-38.	5.5	2
58	Neutron-diffraction studies of a Cr+0.88 at. % Ga alloy. Applied Physics A: Materials Science and Processing, 2002, 74, s850-s852.	2.3	0
59	Magnetoelasticity of Crâ€“Ga alloy single crystals at high pressures. Journal of Applied Physics, 1999, 85, 4747-4749.	2.5	1
60	Electrical transport properties of Cr-Si and Cr-Ga alloy single crystals. Journal of Physics Condensed Matter, 1998, 10, 2715-2725.	1.8	7
61	BOB Acoustic-mode vibrational anharmonicity in Cr-Si alloy single crystals. Physical Review B, 1997, 56, 11777-11785.	3.2	4
62	Title is missing!. Journal of Physics Condensed Matter, 1997, 9, 9961-9983.	1.8	4
63	High-pressure ultrasonic studies of a Crî—¸Ga alloy single crystal. Physica B: Condensed Matter, 1997, 237-238, 419-420.	2.7	2