

# Aletta Prinsloo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1597219/publications.pdf>

Version: 2024-02-01

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	Sol-gel synthesis of Mn Ni <sub>1</sub> Co <sub>2</sub> O <sub>4</sub> spinel phase materials: Structural, electronic, and magnetic properties. Journal of Alloys and Compounds, 2018, 742, 78-89.	5.5	40
2	Hysteretic Spin-Density-Wave Ordering in Confined Geometries. Physical Review Letters, 2003, 91, 237201.	7.8	25
3	Effect of cobalt substitution on the magnetic properties of nickel chromite. Journal of Magnetism and Magnetic Materials, 2018, 451, 20-28.	2.3	22
4	Structural and magnetic properties of (Co <sub>1-x</sub> Ni <sub>x</sub> )Cr <sub>2</sub> O <sub>4</sub> (x = 0.5, 0.25) nanoparticles. AIP Advances, 2018, 8, .	1.3	19
5	Mn substituted Mn <sub>x</sub> Zn <sub>1-x</sub> Co <sub>2</sub> O <sub>4</sub> oxides synthesized by co-precipitation; effect of doping on the structural, electronic and magnetic properties. RSC Advances, 2018, 8, 39837-39848.	3.6	16
6	Thickness dependence of magnetization reversal and magnetostriction in $\text{Fe}_{81}\text{Mn}_{19}\text{Ga}$ thin films. Physical Review Applied, 2019, 12.	3.8	16
7	Electrical manipulation of magnetic anisotropy in a $\text{Fe}_{81}\text{Mn}_{19}\text{Ga}$ thin film.		

#	ARTICLE	IF	CITATIONS
19	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
20	Anomalous triple point effects in the spin-density-wave Cr1 $\hat{\wedge}$ xAlx alloy system. Journal of Alloys and Compounds, 2014, 595, 164-177.	5.5	5
21	Multiferroic nanoparticles of Ni doped CoCr2O4: An XPS study. Surface Science Spectra, 2020, 27, 014003.	1.3	5
22	BOB Acoustic-mode vibrational anharmonicity in Cr-Si alloy single crystals. Physical Review B, 1997, 56, 11777-11785.	3.2	4
23	Title is missing!. Journal of Physics Condensed Matter, 1997, 9, 9961-9983.	1.8	4
24	Magnetic properties of Cr $\hat{\wedge}$ Fe $\hat{\wedge}$ Mn alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 61-73.	2.3	4
25	Quantum critical behaviour in the (Cr97.8Si2.2)100 $\hat{\wedge}$ yMoy alloy system. Journal of Applied Physics, 2013, 113, 17E146.	2.5	4
26	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
27	Thermal decomposition of GdCrO4 to GdCrO3: Structure and magnetism. AIP Advances, 2021, 11, 015235.	1.3	4
28	Evolution of thermopower across a quantum-critical point: the (Cr86Ru14)1 $\hat{\wedge}$ x V x system. Journal of the Korean Physical Society, 2013, 63, 756-761.	0.7	3
29	Spin-density-wave effects in the (Cr98.4Al1.6)100 $\hat{\wedge}$ yMoy alloy system. Journal of Magnetism and Magnetic Materials, 2014, 354, 222-230.	2.3	3
30	Field induced magnetic properties of Ni doped CoCr2O4. AIP Conference Proceedings, 2019, , .	0.4	3
31	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
32	Magnetization Reversals of Fe81Ga19 -Based Flexible Thin Films Under Multiaxial Mechanical Stress. Physical Review Applied, 2021, 15, .	3.8	3
33	High-pressure ultrasonic studies of a Cr $\hat{\wedge}$ Ga alloy single crystal. Physica B: Condensed Matter, 1997, 237-238, 419-420.	2.7	2
34	High-pressure ultrasonic properties of spin-density-wave Cr $\hat{\wedge}$ Re alloy single crystals. Journal of Alloys and Compounds, 2002, 340, 27-38.	5.5	2
35	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
36	Low temperature and magnetic field behaviour of the (Cr84Re16)89.6V10.4 alloy. Journal of Applied Physics, 2014, 115, .	2.5	2

#	ARTICLE	IF	CITATIONS
37	Influence of mesoporous or parasitic BiFeO <sub>3</sub> structural state on the magnetization reversal in multiferroic BiFeO <sub>3</sub> /Ni <sub>81</sub> Fe <sub>19</sub> polycrystalline bilayers. Journal of Applied Physics, 2018, 124, .	2.5	2
38	Quantum criticality in the (Cr <sub>98.4</sub> Al <sub>1.6</sub> ) <sub>100</sub> -Mo alloy system. Journal of Alloys and Compounds, 2019, 793, 127-133.	5.5	2
39	Superconductivity and Quantum Critical Behavior in Cr <sub>100-z</sub> O <sub>z</sub> . Acta Physica Polonica A, 2017, 131, 1132-1134.	0.5	2
40	Structural and magnetic properties of DyCrTiO <sub>5</sub> nanoparticles. Journal of Magnetism and Magnetic Materials, 2022, 546, 168862.	2.3	2
41	Magnetoelasticity of Cr-Ga alloy single crystals at high pressures. Journal of Applied Physics, 1999, 85, 4747-4749.	2.5	1
42	Unusual magnetic effects in an itinerant electron antiferromagnetic Cr-Pt alloy single crystal. Journal of Applied Physics, 2003, 93, 7269-7271.	2.5	1
43	Magnetic effects in an itinerant electron antiferromagnetic Cr+1.72at.%Fe alloy single crystal. Journal of Applied Physics, 2006, 99, 08F706.	2.5	1
44	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
45	Scaling of spin-density-wave effects in the quantum critical (Cr <sub>86</sub> Ru <sub>14</sub> ) <sub>100</sub> -V alloy system. Journal of Physics: Conference Series, 2010, 200, 022050.	0.4	1
46	Influence of growth morphology on the Néel temperature of CrRu thin films and heterostructures. Journal of Magnetism and Magnetic Materials, 2010, 322, 1126-1129.	2.3	1
47	Driving the magnetization reversal below the blocking temperature in exchange biased NiFe/NiO. Journal of Applied Physics, 2013, 114, 093904.	2.5	1
48	Putative quantum criticality in the (Cr <sub>90</sub> Ir <sub>10</sub> ) <sub>100</sub> -V alloy system. Journal of Applied Physics, 2014, 115, 17E120.	2.5	1
49	Observation of a superparamagnetic breakdown in gadolinium chloride filled double-walled carbon nanotubes. AIP Advances, 2021, 11, 035206.	1.3	1
50	Physical properties and magnetic phase diagram of (Cr <sub>90</sub> Ir <sub>10</sub> ) <sub>100</sub> -V alloy system. Journal of Alloys and Compounds, 2021, 872, 159635.	5.5	1
51	Magnetic susceptibility studies of the (Cr <sub>84</sub> Re <sub>16</sub> ) <sub>100</sub> -V alloy system. Journal of Magnetism and Magnetic Materials, 2022, 546, 168856.	2.3	1
52	Anomalous magnetic properties of GdCrTiO <sub>5</sub> nanoparticles. AIP Advances, 2022, 12, 035245.	1.3	1
53	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
54	Magnetoelastic interactions in a Fe alloy single crystal. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2084-2085.	2.3	0

#	ARTICLE	IF	CITATIONS
55	Electrical and thermal transport properties of Cr-Si alloy single crystals. Journal of Physics: Conference Series, 2010, 200, 022048.	0.4	0
56	Spin density wave behaviour in the $(\text{Cr}_{98.4}\text{Al}_{1.6})_{100-y}\text{Mo}_y$ and $(\text{Cr}_{100-x}\text{Al}_x)_{95}\text{Mo}_5$ alloy series. Journal of Physics: Conference Series, 2017, 903, 012028.	0.4	0
57	Neutron diffraction study of the $\text{Cr}_{84.7}\text{Re}_{15.3}$ alloy. AIP Advances, 2021, 11, 015037.	1.3	0
58	Jahn-Teller distortions in $(\text{Co}_{1-x}\text{Cu}_x)\text{Cr}_2\text{O}_4$ ( $x = 0.5, 0.25$ ) nanoparticles: Structural, magnetic and electronic properties. AIP Advances, 2021, 11, 025113.	1.3	0
59	Spin glass effects in the $(\text{Cr}_{84}\text{Re}_{16})_{99.6}\text{Mn}_{0.4}$ alloy. AIP Advances, 2021, 11, 015012.	1.3	0
60	Residual Stress in $\text{Cr}_{99}\text{Al}_1$ Polycrystalline Thin Films. Acta Physica Polonica A, 2018, 133, 578-581.	0.5	0
61	Cationic site substitution effect on magnetic properties of $\text{NiCr}_2\text{O}_4$ nanoparticles. AIP Conference Proceedings, 2020, , .	0.4	0
62	Jahn-Teller distorted $\text{Cu}_{1-x}\text{Ni}_x\text{Cr}_2\text{O}_4$ ( $x = 0, 0.5, 1$ ) nanoparticles. Surface Science Spectra, 2020, 27, 024015.	1.3	0
63	Seebeck coefficient of $\text{Cr}_{100-z}\text{Os}_z$ alloy system. AIP Advances, 2022, 12, 035324.	1.3	0