Charles Sheppard

List of Publications by Year
in descending order

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53	532	687363	677142
papers	citations	13 h-index	22 g-index

55	55	55	586
all docs	docs citations	times ranked	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	Evolution of NiO phase at the expense of metallic nickel: Structure, magnetic and electronic properties. Physica B: Condensed Matter, 2019, 570, 285-290.	2.7	7
24	Quantum criticality in the (Cr98.4Al1.6)100-Mo alloy system. Journal of Alloys and Compounds, 2019, 793, 127-133.	5.5	2
25	Temperature dependence of exchange biased multiferroic BiFeO₃/Ni₈₁Fe₁₉polycrystalline bilayer. Journal Physics D: Applied Physics, 2018, 51, 125308.	2.8	10
26	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
27	Isotherm and kinetic investigations on the adsorption of organophosphorus pesticides on graphene oxide based silica coated magnetic nanoparticles functionalized with 2-phenylethylamine. Journal of Environmental Chemical Engineering, 2018, 6, 1333-1346.	6.7	115
28	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
29	Structural and magnetic properties of (Co1â€“xNix)Cr2O4 (x = 0.5, 0.25) nanoparticles. AIP Advances, 2018, 8, .	1.3	19
30	Effect of cobalt substitution on the magnetic properties of nickel chromite. Journal of Magnetism and Magnetic Materials, 2018, 451, 20-28.	2.3	22
31	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
32	Synthesis, structural characterization, and magnetic properties of mixed ternary spinel-type Mn-Ni-Co oxides. Materials Today: Proceedings, 2018, 5, 10488-10495.	1.8	3
33	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
34	Effect of Fe Substitution on Structural and Magnetic Properties of NiCr₂O₄. Acta Physica Polonica A, 2018, 133, 574-577.	0.5	9
35	Residual Stress in Cr99Al1 Polycrystalline Thin Films. Acta Physica Polonica A, 2018, 133, 578-581.	0.5	0
36	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

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37	Superconductivity and Quantum Critical Behavior in Cr_{100-z}Os_z. Acta Physica Polonica A, 2017, 131, 1132-1134.	0.5	2
38	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
39	Temperature dependence of the exchange bias properties in polycrystalline BiFeO<inf>3</inf>/Ni<inf>80</inf>Fe<inf>20</inf>. , 2015, , .		0
40	Low temperature and magnetic field behaviour of the (Cr84Re16)89.6V10.4 alloy. Journal of Applied Physics, 2014, 115, .	2.5	2
41	Putative quantum criticality in the (Cr90Ir10)100â^'yVy alloy system. Journal of Applied Physics, 2014, 115, 17E120.	2.5	1
42	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
43	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
44	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
45	Possible quantum critical behaviour in the (Cr84Re16)100â^'yVy alloy system. Journal of Applied Physics, 2013, 113, .	2.5	9
46	Quantum critical behaviour in the (Cr97.8Si2.2)100â^'yMoy alloy system. Journal of Applied Physics, 2013, 113, 17E146.	2.5	4
47	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
48	Parameter extraction from Iâ€“V characteristics of PV devices. Solar Energy, 2011, 85, 12-18.	6.1	89
49	Effects of different selenization conditions on the device parameters of CuIn(Se,S)2 solar cells. Thin Solid Films, 2009, 517, 2380-2382.	1.8	1
50	Device and performance parameters of Cu(In,Ga)(Se,S)2-based solar cells with varying i-ZnO layer thickness. Physica B: Condensed Matter, 2009, 404, 4466-4469.	2.7	11
51	Structural and optical characterization of single-phase CuIn(Se,S)2 thin films deposited using a two-step process. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 641-644.	0.8	7
52	Deposition of single-phase CuIn(Se,S)2thin films from the sulfurization of selenized CuIn alloys. Journal Physics D: Applied Physics, 2006, 39, 3760-3763.	2.8	16
53	Deposition of CuIn(Se, S)2 thin films by sulfurization of selenized Cu/In alloys. Physica Status Solidi A, 2004, 201, 2234-2238.	1.7	13