# 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 | 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 |
| 2 | Parameter extraction from Iâ€“V characteristics of PV devices. Solar Energy, 2011, 85, 12-18. | 6.1 | 89 |
| 3 | 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 |
| 4 | Effect of cobalt substitution on the magnetic properties of nickel chromite. Journal of Magnetism and Magnetic Materials, 2018, 451, 20-28. | 2.3 | 22 |
| 5 | Structural and magnetic properties of (Co1â€“xNix)Cr2O4 (x = 0.5, 0.25) nanoparticles. AIP Advances, 2018, 8, . | 1.3 | 19 |
| 6 | 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 |
| 7 | Mn substituted Mn<sub>x</sub>Zn<sub>1â”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 |
| 8 | 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 thin films. Physical Review Applied, 2019, 12, . | 3.8 | 16 |
| 9 | 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:mi><mml | | |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | Thermal transport properties, magnetic susceptibility and neutron diffraction studies of the (Cr 100-x) Tj ETQq1 1 0.784314 rgBT /Ov | 2.7 | 6 |
| 22 | Structural and magnetic properties of DyCrO3. AIP Advances, 2022, 12, . | 1.3 | 6 |
| 23 | 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 |
| 24 | Multiferroic nanoparticles of Ni doped CoCr2O4: An XPS study. Surface Science Spectra, 2020, 27, 014003. | 1.3 | 5 |
| 25 | Quantum critical behaviour in the (Cr97.8Si2.2)100â^'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)1â^'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)100â^'yMoy alloy system. Journal of Magnetism and Magnetic Materials, 2014, 354, 222-230. | 2.3 | 3 |
| 30 | 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 |
| 31 | Field induced magnetic properties of Ni doped CoCr2O4. AIP Conference Proceedings, 2019, , . | 0.4 | 3 |
| 32 | 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 |
| 33 | Magnetization Reversals of Fe81Ga19 -Based Flexible Thin Films Under Multiaxial Mechanical Stress. Physical Review Applied, 2021, 15, . | 3.8 | 3 |
| 34 | Low temperature and magnetic field behaviour of the (Cr84Re16)89.6V10.4 alloy. Journal of Applied Physics, 2014, 115, . | 2.5 | 2 |
| 35 | 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 |
| 36 | Quantum criticality in the (Cr98.4Al1.6)100-Mo alloy system. Journal of Alloys and Compounds, 2019, 793, 127-133. | 5.5 | 2 |

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|---|---|---|---|
| 37 | Superconductivity and Quantum Critical Behavior in Cr<sub>100-z</sub>Os<sub>z</sub>. Acta Physica Polonica A, 2017, 131, 1132-1134. | 0.5 | 2 |
| 38 | Structural and magnetic properties of DyCrTiO5 nanoparticles. Journal of Magnetism and Magnetic Materials, 2022, 546, 168862. | 2.3 | 2 |
| 39 | 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 |
| 40 | Putative quantum criticality in the (Cr90Ir10)100â^'yVy alloy system. Journal of Applied Physics, 2014, 115, 17E120. | 2.5 | 1 |
| 41 | Observation of a superparamagnetic breakdown in gadolinium chloride filled double-walled carbon nanotubes. AIP Advances, 2021, 11, 035206. | 1.3 | 1 |
| 42 | Physical properties and magnetic phase diagram of (Cr90Ir10)100-V alloy system. Journal of Alloys and Compounds, 2021, 872, 159635. | 5.5 | 1 |
| 43 | Magnetic susceptibility studies of the (Cr84Re16)100â^'V alloy system. Journal of Magnetism and Magnetic Materials, 2022, 546, 168856. | 2.3 | 1 |
| 44 | Anomalous magnetic properties of GdCrTiO<sub>5</sub> nanoparticles. AIP Advances, 2022, 12, 035245. | 1.3 | 1 |
| 45 | Temperature dependence of the exchange bias properties in polycrystalline BiFeO<inf>3</inf>/Ni<inf>80</inf>Fe<inf>20</inf>. , 2015, , . | | 0 |
| 46 | Spin density wave behaviour in the (Cr<sub>98.4</sub>Al<sub>1.6</sub>)<sub>100-y</sub>Mo<sub>y</sub>and (Cr<sub>100-x</sub>Al<sub>x</sub>)<sub>95</sub>Mo<sub>5</sub>alloy series. Journal of Physics: Conference Series, 2017, 903, 012028. | 0.4 | 0 |
| 47 | Neutron diffraction study of the Cr84.7Re15.3 alloy. AIP Advances, 2021, 11, 015037. | 1.3 | 0 |
| 48 | 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 |
| 49 | Spin glass effects in the (Cr84Re16)99.6Mn0.4 alloy. AIP Advances, 2021, 11, 015012. | 1.3 | 0 |
| 50 | Residual Stress in Cr99Al1 Polycrystalline Thin Films. Acta Physica Polonica A, 2018, 133, 578-581. | 0.5 | 0 |
| 51 | Cationic site substitution effect on magnetic properties of NiCr2O4 nanoparticles. AIP Conference Proceedings, 2020, , . | 0.4 | 0 |
| 52 | Jahnâ€"Teller distorted Cu1â^'xNixCr2O4 (xâ€‰=â€‰0, 0.5, 1) nanoparticles. Surface Science Spectra, 2020, 27, 024015. | 1.3 | 0 |
| 53 | Seebeck coefficient of Cr<sub>100â^'z</sub>Os<sub>z</sub> alloy system. AIP Advances, 2022, 12, 035324. | 1.3 | 0 |