

Dinesh K Shukla

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96
papers

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19
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27
g-index

111
ext. papers

1,404
ext. citations

3
avg, IF

4.19
L-index

#	Paper	IF	Citations
96	Resonant scattering and diffraction beamline P09 at PETRA III. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 541-9	2.4	79
95	Coexistence of superconductivity and ferromagnetism in P-doped EuFe ₂ As ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	61
94	Structural, dielectric, and magnetic properties of La _{0.8} Bi _{0.2} Fe _{1-x} Mn _x O ₃ (0.0 ≤ x ≤ 0.4) multiferroics. <i>Journal of Applied Physics</i> , 2010 , 107, 103916	2.5	56
93	Structural, electrical, magnetic, and electronic structure studies of PrFe _{1-x} Ni _x O ₃ (x ≤ 0.5). <i>Journal of Applied Physics</i> , 2007 , 102, 073707	2.5	38
92	Effect of Ti substitution on multiferroic properties of BiMn ₂ O ₅ . <i>Journal of Applied Physics</i> , 2008 , 104, 033707	2.5	34
91	Effect of the annealing temperature on the structural and magnetic properties of ZnO nanoparticles. <i>Materials Letters</i> , 2013 , 99, 18-20	3.3	31
90	Room temperature ferromagnetism in Fe-doped CeO ₂ thin films grown on LaAlO ₃ (001). <i>Thin Solid Films</i> , 2010 , 519, 410-413	2.2	30
89	Magnetoelectric properties of Bi _x Co _{2-x} MnO ₄ (0 ≤ x ≤ 0.3). <i>Applied Physics Letters</i> , 2008 , 92, 102910	3.4	30
88	Structural, optical and electronic structure studies of Al doped ZnO thin films. <i>Superlattices and Microstructures</i> , 2015 , 83, 431-438	2.8	28
87	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. <i>Physical Review B</i> , 2011 , 84,	3.3	27
86	Swift heavy ion irradiation induced magnetism in magnetically frustrated BiMn ₂ O ₅ thin films. <i>Physical Review B</i> , 2010 , 82,	3.3	27
85	Magneto-electric coupling in multiferroic La _{0.8} Bi _{0.2} Fe _{0.7} Mn _{0.3} O ₃ ceramic. <i>Materials Letters</i> , 2010 , 64, 2003-2005	3.3	26
84	The effect of oxygen stoichiometry at the interface of epitaxial BaTiO ₃ /La _{0.7} Sr _{0.3} MnO ₃ bilayers on its electronic and magnetic properties. <i>Journal of Applied Physics</i> , 2017 , 122, 085310	2.5	25
83	Micro-Raman and electronic structure study on kinetics of electronic excitations induced monoclinic-to-tetragonal phase transition in zirconium oxide films. <i>RSC Advances</i> , 2016 , 6, 104425-104432	3.7	24
82	Structural, electronic structure, and band alignment properties at epitaxial NiO/Al ₂ O ₃ heterojunction evaluated from synchrotron based X-ray techniques. <i>Journal of Applied Physics</i> , 2016 , 119, 165302	2.5	24
81	Structural, electrical and magnetic properties of Bi-substituted Co ₂ MnO ₄ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 163, 48-56	3.1	23
80	Electronic structure modification and Fermi level shifting in niobium-doped anatase titanium dioxide thin films: a comparative study of NEXAFS, work function and stiffening of phonons. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3618-27	3.6	22

79	Investigation of Fe doped ZnO thin films by X-ray absorption spectroscopy. <i>RSC Advances</i> , 2016 , 6, 74982-74990	3.4	20
78	Stabilization of metallic phase in V2O3 thin film. <i>Applied Physics Letters</i> , 2017 , 110, 173101	3.6	19
77	Efficient multicolor tunability of ultrasmall ternary-doped LaF nanoparticles: energy conversion and magnetic behavior. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 18660-18670	1.5	18
76	X-ray absorption spectroscopy of Mn doped ZnO thin films prepared by rf sputtering technique. <i>AIP Advances</i> , 2015 , 5, 117138	2.5	17
75	Electronic structure and electrical transport properties of LaCo _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.5). <i>Journal of Applied Physics</i> , 2013 , 114, 073704	2.5	17
74	Structural and transport properties of Bi-substituted Co ₂ MnO ₄ . <i>Journal of Applied Physics</i> , 2009 , 105, 07D910	3.9	17
73	Adiabatic small polaron-hopping conduction in Ln _{0.85} Ca _{0.15} MnO ₃ (Ln=Nd, Pr and Sm) perovskites. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1023-1028	7.4	16
72	Electric-field-induced polar order and localization of the confined electrons in LaAlO ₃ /SrTiO ₃ heterostructures. <i>Physical Review Letters</i> , 2013 , 110, 136805	0.3	15
71	Double phase-retarder set-up at beamline P09 at PETRA III. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 132010	3	15
70	Thin film growth of multiferroic BiMn ₂ O ₅ using pulsed laser ablation and its characterization. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 125304	2.5	15
69	Interface structure in nanoscale multilayers near continuous-to-discontinuous regime. <i>Journal of Applied Physics</i> , 2016 , 120, 045308	3.8	14
68	Reversal in the Lattice Contraction of Fe ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9292-9301	3.7	14
67	Role of compensating Li/Fe incorporation in Cu _{0.945} Fe _{0.055} Li _x O: structural, vibrational and magnetic properties. <i>RSC Advances</i> , 2017 , 7, 31970-31979	4.9	13
66	Correlations of charge neutrality level with electronic structure and p-d hybridization. <i>Scientific Reports</i> , 2017 , 7, 40843	2.5	13
65	Modifications in magnetic properties of BiMn ₂ O ₅ multiferroic using swift heavy ion irradiation. <i>Journal of Applied Physics</i> , 2010 , 107, 09D903	3.3	13
64	Insulator-metal transitions in the T phase Cr-doped and M1 phase undoped VO ₂ thin films. <i>Physical Review B</i> , 2018 , 98,	8.4	12
63	Colossal thermopower, spin states and delocalization effects in single layered La _{2-x} CoO ₄ . <i>Acta Materialia</i> , 2017 , 135, 233-243	6.7	12
62	Doping induced modifications in the electronic structure and magnetism of ZnO films: Valence band and conduction band studies. <i>Applied Surface Science</i> , 2017 , 423, 100-110		

61	Crystal field splitting and spin states of Co ions in cobalt ferrite with composition $\text{Co}_{1.5}\text{Fe}_{1.5}\text{O}_4$ using magnetization and X-ray absorption spectroscopy measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 435, 87-95	2.8	12
60	Role of V-V dimerization in the insulator-metal transition and optical transmittance of pure and doped VO_2 thin films. <i>Physical Review B</i> , 2020 , 101,	3.3	12
59	Ho and Fe magnetic ordering in multiferroic $\text{HoFe}_3(\text{BO}_3)_4$. <i>Physical Review B</i> , 2012 , 86,	3.3	12
58	Bi-substitution-induced magnetic moment distribution in spinel $\text{Bi}(x)\text{Co}(2-x)\text{MnO}_4$ multiferroic. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 406006	1.8	12
57	Synthesis, phase composition, Mössbauer and magnetic characterization of iron oxide nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9561-8	3.6	11
56	Structural, magnetic and x-ray absorption studies of $\text{NdCo}_{1-x}\text{Ni}_x\text{O}_3$ ($0 \leq x \leq 0.5$). <i>Journal of Applied Physics</i> , 2013 , 113, 043918	2.5	11
55	Effect of strain on the modifications in electronic structure and resistive switching in Ca-doped BiFeO_3 films. <i>Journal of Applied Physics</i> , 2019 , 125, 082510	2.5	11
54	X-ray structural studies on solubility of Fe substituted CuO . <i>RSC Advances</i> , 2016 , 6, 103571-103578	3.7	10
53	The influence of carbon concentration on the electronic structure and magnetic properties of carbon implanted ZnO thin films. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13316-13323	3.6	9
52	Reversible phase transformation phenomenon in titanium dioxide films: Evidence beyond interface-nucleation and dissolution-precipitation kinetics. <i>Acta Materialia</i> , 2018 , 146, 253-264	8.4	9
51	Spin states and glassy magnetism in $\text{LaCo}_{1-x}\text{Ni}_x\text{O}_3$ ($0 \leq x \leq 0.5$). <i>Materials Chemistry and Physics</i> , 2014 , 147, 617-622	4.4	9
50	Anomalous behavior of B1g mode in highly transparent anatase nano-crystalline Nb-doped Titanium Dioxide (NTO) thin films. <i>AIP Advances</i> , 2015 , 5, 127212	1.5	9
49	Metastable magnetic state and magnetotransport in disordered manganite thin films. <i>Journal of Applied Physics</i> , 2014 , 115, 163904	2.5	9
48	Magnetoelectric behavior of ferrimagnetic $\text{Bi}_x\text{Co}_{2-x}\text{MnO}_4$ ($x=0, 0.1$ and 0.3) thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 1760-1765	2.8	9
47	High temperature-mediated rocksalt to wurtzite phase transformation in cadmium oxide nanosheets and its theoretical evidence. <i>Nanoscale</i> , 2019 , 11, 14802-14819	7.7	8
46	Large negative thermal expansion in the cubic phase of $\text{CaMn}_7\text{O}_{12}$. <i>Physical Review B</i> , 2017 , 95,	3.3	8
45	Photoelectrical properties of amorphous $\text{Se}_{25}\text{Ge}_{20}\text{Te}_{55}$. <i>Applied Surface Science</i> , 1999 , 147, 19-26	6.7	8
44	Structural optical and electronic properties of Fe and Ga doped ZnO thin films grown using pulsed laser deposition technique. <i>Journal of Physics: Conference Series</i> , 2016 , 755, 012040	0.3	8

43	Magnetocaloric effect and critical exponent analysis in electron-doped $\text{La}_{1-x}\text{Te}_x\text{MnO}_3$ compounds: a comprehensive study. <i>Materials Research Express</i> , 2017 , 4, 056102	1.7	7
42	Electrical properties of α -antimony selenide 1998 , 50, 25-33		7
41	New class of composite anion exchange membranes based on Quaternized poly (phenylene oxide) and functionalized boron nitride. <i>Colloids and Interface Science Communications</i> , 2020 , 36, 100265	5.4	6
40	Influence of TiO_2 and ZnO on the conductivity and dielectric properties of copper-bismuth glasses. <i>Journal of Applied Physics</i> , 2007 , 101, 013708	2.5	6
39	Local structure investigation of Ni doped ZnO thin films by X-ray absorption spectroscopy. <i>Thin Solid Films</i> , 2018 , 647, 70-79	2.2	5
38	Chiral properties of hematite Fe_2O_3 inferred from resonant Bragg diffraction using circularly polarized x rays. <i>Physical Review B</i> , 2013 , 88,	3.3	5
37	Characterization of pulsed laser deposition grown V_2O_3 converted VO_2 . <i>Journal of Physics: Conference Series</i> , 2016 , 755, 012027	0.3	5
36	Enroute to phase purity in $\text{CaMn}_7\text{O}_{12}$ 2017 ,		4
35	Long-range antiferromagnetic order of formally nonmagnetic Eu^{3+} Van Vleck ions observed in multiferroic $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. <i>Physical Review B</i> , 2015 , 91,	3.3	4
34	Structural, optical and enhanced multiferroic properties of La/Cr co-substituted BiFeO_3 nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11177-11194	2.1	4
33	Ferroelectric and dielectric properties of Mn doped BiFeO_3 bulk ceramics 2018 ,		4
32	Zn doping induced ferromagnetism in NiO . <i>Journal of Physics: Conference Series</i> , 2014 , 534, 012025	0.3	4
31	Effect of proton irradiation on electrical properties of α - As_2S_3 . <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2340-2343	3.9	4
30	T suppression and impurity band structure in overdoped superconducting Boron-doped diamond films. <i>Physica C: Superconductivity and Its Applications</i> , 2018 , 555, 28-34	1.3	4
29	Deciphering role of the Fe substitution in modulating the structural, magnetic and magnetocaloric properties of NdCrTiO_5 . <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 478, 260-263	2.8	3
28	Magnetic and orbital correlations in multiferroic $\text{CaMn}_7\text{O}_{12}$ probed by x-ray resonant elastic scattering. <i>Physical Review B</i> , 2020 , 101,	3.3	3
27	Magnetic order in GdMnO_3 in magnetic fields. <i>Journal of Physics: Conference Series</i> , 2014 , 519, 012007	0.3	3
26	Superspin glassy behaviour of $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{0.85}\text{Al}_{0.15}\text{O}_3$ thin film. <i>Journal of Applied Physics</i> , 2014 , 116, 033917	2.5	3

25	Disorder controlled electrical transport properties of NdCo _{1-x} NiO ₃ . <i>Journal of Alloys and Compounds</i> , 2013 , 574, 316-319	5.7	3
24	Substantial magnetoelectric response in 2/3[Pb(Mg ^{1/3} Nb ^{2/3} O ₃) _{1/3}]-CoFe ₂ O ₄ composites. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158504	5.7	3
23	Structural, Optical and Magnetic Properties of Dy-doped In ₂ O ₃ Nanoparticles. <i>Journal of Electronic Materials</i> , 2021 , 50, 52-58	1.9	3
22	Magnetic and Magnetodielectric Properties of Ho _{0.5} Nd _{0.5} Fe ₃ (BO ₃) ₄ . <i>Physics of the Solid State</i> , 2018 , 60, 1989-1998	0.8	3
21	Electronic structure studies of Fe doped Eu ₂ O ₃ thin film using x-ray absorption and resonant photoemission spectroscopy. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 598-602	5.7	2
20	Symmetry breaking and spin lattice coupling in NdCrTiO ₅ . <i>Physical Review B</i> , 2019 , 100,	3.3	2
19	Origin of the high Seebeck coefficient of the misfit [Ca ₂ CoO ₃] _{0.62} [CoO ₂] cobaltate from site-specific valency and spin-state determinations. <i>Physical Review B</i> , 2020 , 101,	3.3	2
18	200 MeV Ag ⁺¹⁵ ion irradiation-induced modification in structural, magnetic and electrical properties of LaCoO ₃ thin film. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	2
17	Room temperature ferromagnetism in Gd-doped In ₂ O ₃ nanoparticles obtained by auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7871-7879	2.1	2
16	Stiffening of phonons with enhanced hybridization and structural phase transformation upon Pr-doping in BiFeO ₃ . <i>Physica B: Condensed Matter</i> , 2019 , 571, 247-251	2.8	2
15	A setup for Seebeck coefficient measurement through controlled heat pulses. <i>Review of Scientific Instruments</i> , 2019 , 90, 116101	1.7	2
14	Inspection of multiferroicity in BiMn _(2-x) Ti _(x) O ₍₅₎ ceramics through specific heat and Raman spectroscopic studies. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 485901	1.8	2
13	X-ray Absorption and Emission Spectroscopic Studies of BiMn _{2-x} Ti _x O ₅ (0 ≤ x ≤ 0.5). <i>Journal of the Korean Physical Society</i> , 2008 , 53, 1449-1455	0.6	2
12	Crystal structure and electrical transport properties of single layered perovskite LaSrCoO ₄ . <i>Journal of Physics: Conference Series</i> , 2016 , 755, 012026	0.3	2
11	Structural, electronic, transport and magnetic studies of LaCo _{1-x} Ni _x O ₃ (x = 0, 0.3) thin films. <i>Journal of Applied Physics</i> , 2019 , 126, 235103	2.5	2
10	Ensuring origin of intrinsic magnetism from structural studies in Cu _{0.945} Fe _{0.055} -Mn O. <i>Ceramics International</i> , 2020 , 46, 4191-4196	5.1	2
9	Griffiths-like phase and charge-spin glass state in La _{1.5} Sr _{0.5} CoO ₄ . <i>Applied Physics Letters</i> , 2018 , 113, 102405	3.4	2
8	Local structural investigations of Fe-doped TiO ₂ amorphous thin films. <i>Thin Solid Films</i> , 2020 , 716, 138435	2	1

7	Structural and Magnetic Characterizations of 200 MeV Ag ¹⁵⁺ Irradiated Bi _x Co _{2-x} MnO ₄ Thin Films. <i>Key Engineering Materials</i> , 2013 , 547, 71-77	0.4	1
6	Magnetic correlations in mixed valent layered La _{1.2} Sr _{0.8} CoO ₄ . <i>Physica B: Condensed Matter</i> , 2019 , 570, 308-311	2.8	0
5	Electronic structure correlation with ferroelectric behavior of Ca-doped BiFeO ₃ films. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2020 , 243, 146983	1.7	0
4	XAS and XPS analysis of double magnetic transition, canonical spin glass behavior and magnetoresistance in LaMn _{1-x} Co _x O ₃ (0.1 ≤ x ≤ 0.5) system. <i>Ceramics International</i> , 2021 , 47, 6753-6763	5.1	0
3	Combining Magnetism and Ferroelectricity towards Multiferroicity. <i>Solid State Phenomena</i> , 2012 , 189, 15-40	0.4	
2	Effect of Bi on the Magnetodielectric Properties of Co ₂ MnO ₄ Thin Films. <i>Integrated Ferroelectrics</i> , 2010 , 120, 141-148	0.8	
1	Magnetic properties of Ho _{0.9} Er _{0.1} Fe ₃ (BO ₃) ₄ . <i>Journal of Physics: Conference Series</i> , 2019 , 1389, 012045	0.3	