

Dinesh K Shukla

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

1,166
citations

19
h-index

27
g-index

111
ext. papers

1,404
ext. citations

3
avg, IF

4.19
L-index

#	Paper	IF	Citations
96	Substantial magnetoelectric response in $2/3[\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3]_{1/3}[\text{PbTiO}_3]$ - CoFe_2O_4 composites. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158504	5.7	3
95	XAS and XPS analysis of double magnetic transition, canonical spin glass behavior and magnetoresistance in $\text{LaMn}_{1-x}\text{Co}_x\text{O}_3$ (0.1 \leq x \leq 0.5) system. <i>Ceramics International</i> , 2021 , 47, 6753-6763	5.1	0
94	Structural, Optical and Magnetic Properties of Dy-doped In_2O_3 Nanoparticles. <i>Journal of Electronic Materials</i> , 2021 , 50, 52-58	1.9	3
93	Local structural investigations of Fe-doped TiO_2 amorphous thin films. <i>Thin Solid Films</i> , 2020 , 716, 138435-2	3.2	1
92	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
91	Origin of the high Seebeck coefficient of the misfit $[\text{Ca}_2\text{CoO}_3]_{0.62}[\text{CoO}_2]$ cobaltate from site-specific valency and spin-state determinations. <i>Physical Review B</i> , 2020 , 101,	3.3	2
90	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
89	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
88	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
87	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
86	Room temperature ferromagnetism in Gd-doped In_2O_3 nanoparticles obtained by auto-combustion method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 7871-7879	2.1	2
85	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
84	Ensuring origin of intrinsic magnetism from structural studies in $\text{Cu}_{0.945}\text{Fe}_{0.055}\text{-Mn O}$. <i>Ceramics International</i> , 2020 , 46, 4191-4196	5.1	2
83	Symmetry breaking and spin lattice coupling in NdCrTiO_5 . <i>Physical Review B</i> , 2019 , 100,	3.3	2
82	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
81	Magnetic correlations in mixed valent layered $\text{La}_{1.2}\text{Sr}_{0.8}\text{CoO}_4$. <i>Physica B: Condensed Matter</i> , 2019 , 570, 308-311	2.8	0
80	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

79	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
78	A setup for Seebeck coefficient measurement through controlled heat pulses. <i>Review of Scientific Instruments</i> , 2019 , 90, 116101	1.7	2
77	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
76	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	
75	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
74	Reversal in the Lattice Contraction of Fe ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9292-9301	3.8	14
73	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
72	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
71	Ferroelectric and dielectric properties of Mn doped BiFeO ₃ bulk ceramics 2018 ,		4
70	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
69	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
68	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
67	Insulator-metal transitions in the T phase Cr-doped and M1 phase undoped VO ₂ thin films. <i>Physical Review B</i> , 2018 , 98,	3.3	13
66	Correlations of charge neutrality level with electronic structure and p-d hybridization. <i>Scientific Reports</i> , 2017 , 7, 40843	4.9	13
65	Magnetocaloric effect and critical exponent analysis in electron-doped La _{1-x} TexMnO ₃ compounds: a comprehensive study. <i>Materials Research Express</i> , 2017 , 4, 056102	1.7	7
64	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
63	Stabilization of metallic phase in V ₂ O ₃ thin film. <i>Applied Physics Letters</i> , 2017 , 110, 173101	3.4	20
62	Colossal thermopower, spin states and delocalization effects in single layered La ₂ Br CoO ₄ . <i>Acta Materialia</i> , 2017 , 135, 233-243	8.4	12

61	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	6.7	12
60	Efficient multicolor tunability of ultrasmall ternary-doped LaF nanoparticles: energy conversion and magnetic behavior. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 18660-18670	3.6	19
59	Enroute to phase purity in CaMn ₇ O ₁₂ 2017 ,		4
58	Crystal field splitting and spin states of Co ions in cobalt ferrite with composition Co _{1.5} Fe _{1.5} 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
57	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
56	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
55	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	3.7	14
54	Large negative thermal expansion in the cubic phase of CaMn ₇ O ₁₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	8
53	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
52	X-ray structural studies on solubility of Fe substituted CuO. <i>RSC Advances</i> , 2016 , 6, 103571-103578	3.7	10
51	Synthesis, phase composition, Mössbauer and magnetic characterization of iron oxide nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9561-8	3.6	11
50	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
49	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
48	Characterization of pulsed laser deposition grown V ₂ O ₃ converted VO ₂ . <i>Journal of Physics: Conference Series</i> , 2016 , 755, 012027	0.3	5
47	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
46	Interface structure in nanoscale multilayers near continuous-to-discontinuous regime. <i>Journal of Applied Physics</i> , 2016 , 120, 045308	2.5	15
45	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
44	Investigation of Fe doped ZnO thin films by X-ray absorption spectroscopy. <i>RSC Advances</i> , 2016 , 6, 74982-74990	3.7	2

43	Long-range antiferromagnetic order of formally nonmagnetic Eu ³⁺ Van Vleck ions observed in multiferroic Eu _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2015 , 91,	3.3	4
42	Structural, optical and electronic structure studies of Al doped ZnO thin films. <i>Superlattices and Microstructures</i> , 2015 , 83, 431-438	2.8	28
41	Anomalous behavior of B _{1g} mode in highly transparent anatase nano-crystalline Nb-doped Titanium Dioxide (NTO) thin films. <i>AIP Advances</i> , 2015 , 5, 127212	1.5	9
40	X-ray absorption spectroscopy of Mn doped ZnO thin films prepared by rf sputtering technique. <i>AIP Advances</i> , 2015 , 5, 117138	1.5	18
39	Spin states and glassy magnetism in LaCo _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.5). <i>Materials Chemistry and Physics</i> , 2014 , 147, 617-622	4.4	9
38	Magnetic order in GdMnO ₃ in magnetic fields. <i>Journal of Physics: Conference Series</i> , 2014 , 519, 012007	0.3	3
37	Zn doping induced ferromagnetism in NiO. <i>Journal of Physics: Conference Series</i> , 2014 , 534, 012025	0.3	4
36	Superspin glassy behaviour of La _{0.7} Ca _{0.3} Mn _{0.85} Al _{0.15} O ₃ thin film. <i>Journal of Applied Physics</i> , 2014 , 116, 033917	2.5	3
35	Coexistence of superconductivity and ferromagnetism in P-doped EuFe ₂ As ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	61
34	Metastable magnetic state and magnetotransport in disordered manganite thin films. <i>Journal of Applied Physics</i> , 2014 , 115, 163904	2.5	9
33	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
32	Chiral properties of hematite (Fe ₂ O ₃) inferred from resonant Bragg diffraction using circularly polarized x rays. <i>Physical Review B</i> , 2013 , 88,	3.3	5
31	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	7.4	16
30	Disorder controlled electrical transport properties of NdCo _{1-x} Ni _x O ₃ . <i>Journal of Alloys and Compounds</i> , 2013 , 574, 316-319	5.7	3
29	Structural, magnetic and x-ray absorption studies of NdCo _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.5). <i>Journal of Applied Physics</i> , 2013 , 113, 043918	2.5	11
28	Structural and Magnetic Characterizations of 200 MeV Ag ¹⁵⁺ Irradiated Bi ₂ Co _{2-x} MnO ₄ Thin Films. <i>Key Engineering Materials</i> , 2013 , 547, 71-77	0.4	1
27	Resonant scattering and diffraction beamline P09 at PETRA III. <i>Journal of Synchrotron Radiation</i> , 2013 , 20, 541-9	2.4	79
26	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

25	Double phase-retarder set-up at beamline P09 at PETRA III. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 132010	0.3	15
24	Ho and Fe magnetic ordering in multiferroic HoFe ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2012 , 86,	3.3	12
23	Combining Magnetism and Ferroelectricity towards Multiferroicity. <i>Solid State Phenomena</i> , 2012 , 189, 15-40	0.4	
22	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
21	Effect of proton irradiation on electrical properties of a-As ₂ S ₃ . <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2340-2343	3.9	4
20	Magnetoelectric behavior of ferrimagnetic Bi _x Co _{2-x} 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
19	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
18	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
17	Modifications in magnetic properties of BiMn ₂ O ₅ multiferroic using swift heavy ion irradiation. <i>Journal of Applied Physics</i> , 2010 , 107, 09D903	2.5	13
16	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
15	Effect of Bi on the Magnetodielectric Properties of Co ₂ MnO ₄ Thin Films. <i>Integrated Ferroelectrics</i> , 2010 , 120, 141-148	0.8	
14	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
13	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
12	Structural and transport properties of Bi-substituted Co ₂ MnO ₄ . <i>Journal of Applied Physics</i> , 2009 , 105, 07D910	2.5	17
11	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	3	15
10	Bi-substitution-induced magnetic moment distribution in spinel Bi _(x) Co _(2-x) MnO ₍₄₎ multiferroic. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 406006	1.8	12
9	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
8	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

7	Adiabatic small polaron-hopping conduction in $\text{Ln}_{0.85}\text{Ca}_{0.15}\text{MnO}_3$ (Ln=Nd, Pr and Sm) perovskites. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1023-1028	3.9	17
6	X-ray Absorption and Emission Spectroscopic Studies of $\text{BiMn}_{2-x}\text{Ti}_x\text{O}_5$ ($0 \leq x \leq 0.5$). <i>Journal of the Korean Physical Society</i> , 2008 , 53, 1449-1455	0.6	2
5	Effect of Ti substitution on multiferroic properties of BiMn_2O_5 . <i>Journal of Applied Physics</i> , 2008 , 104, 033707	2.5	34
4	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
3	Structural, electrical, magnetic, and electronic structure studies of $\text{PrFe}_{1-x}\text{Ni}_x\text{O}_3$ ($x \leq 0.5$). <i>Journal of Applied Physics</i> , 2007 , 102, 073707	2.5	38
2	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
1	Electrical properties of a-antimony selenide 1998 , 50, 25-33		7