

Shahid Husain

List of Publications by Year in descending order

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361413

20
h-index

361022

35
g-index

100
all docs

100
docs citations

100
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Polaron hopping conduction mechanism and magnetic properties of Pb-doped LaMnO_3 . Journal of the American Ceramic Society, 2022, 105, 348-361.	3.8	3
2	Synthesis and role of structural disorder on the optical, magnetic and dielectric properties of Zn doped NiFe_2O_4 nanoferrites. Journal of Molecular Structure, 2022, 1253, 132205.	3.6	10
3	Study of structural correlations with temperature dependent dielectric response and ferroelectric behavior for (Sr, Mn) co-doped BaTiO_3 . Journal of Materials Science: Materials in Electronics, 2022, 33, 6329-6353.	2.2	10
4	Synchrotron based x-ray absorption spectroscopy investigation and temperature dependent ferroelectric properties of Ni doped BaTiO_3 nanostructures. Ceramics International, 2022, 48, 14156-14165.	4.8	8
5	Structural and electrochemical properties of $\text{GO}/\text{Mn}_3\text{O}_4$ nanocomposite. Journal of Materials Science: Materials in Electronics, 2021, 32, 3894-3902.	2.2	6
6	Tuning of magnetic properties and multiferroic nature: case study of cobalt-doped NdFeO_3 . Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	9
7	Modification of magnetic properties, energy band gap and conduction mechanism of lanthanum orthochromite via (Sm, Fe) codoping. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	2
8	Raman scattering, electronic transport and dielectric features of Co-doped DyCrO_3 . Journal of Materials Science: Materials in Electronics, 2021, 32, 15108-15133.	2.2	5
9	Structural modifications and enhanced ferroelectric nature of $\text{NdFeO}_3/\text{PbTiO}_3$ composites. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	16
10	Microstructure, optical and dielectric properties of cobalt-doped zinc ferrite nanostructures. Journal of Materials Science: Materials in Electronics, 2021, 32, 21988-22002.	2.2	14
11	The effect of Ni doping on the structural, optical and dielectric properties of nanocrystalline YbCrO_3 . Journal of Physics and Chemistry of Solids, 2021, 159, 110280.	4.0	6
12	Influence of Ni doping on physical properties of $\text{La}_{0.7}\text{Sr}_{0.3}\text{FeO}_3$ synthesized by reverse micelle technique. Journal of Materials Science: Materials in Electronics, 2021, 32, 3753-3765.	2.2	3
13	Structural and optical properties of Mn_2O_3 nanoparticles & its gas sensing applications. Advanced Materials Proceedings, 2021, 1, 220-225.	0.2	31
14	Thermally stimulated small polaron promoted conduction mechanism in Fe-doped $\text{La}_{0.7}\text{Sm}_{0.3}\text{CrO}_3$. Journal of Physics and Chemistry of Solids, 2020, 138, 109281.	4.0	8
15	Role of Cr doping in tuning the optical and dielectric properties of TiO_2 nanostructures. Materials Chemistry and Physics, 2020, 256, 123641.	4.0	22
16	Correlation between structure, dielectric and multiferroic properties of lead free Ni modified BaTiO_3 solid solution. Ceramics International, 2020, 46, 27336-27351.	4.8	48
17	Investigation of relaxation phenomenon in lanthanum orthoferrite extracted through complex impedance and electric modulus spectroscopy. Journal of Applied Physics, 2020, 128, .	2.5	24
18	Influence of Ni doping on the optical properties of BiFeO_3 multiferroic. AIP Conference Proceedings, 2020, , .	0.4	1

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19	A comparative study of ZnO nanostructures synthesized via sol-gel and hydrothermal processes. AIP Conference Proceedings, 2020, , .	0.4	2
20	Modified multiferroic behavior: A case study of NdFeO ₃ -SrTiO ₃ composite. AIP Conference Proceedings, 2020, , .	0.4	1
21	Study of frequency dependent dielectric response and ferroelectric behaviour of (Nd,Ni) co-doped BiFeO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
22	Raman spectroscopic and thermal studies of Zn doped LaCrO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
23	Influence of Mn doping on dielectric properties, conduction mechanism and photocatalytic nature of gadolinium-based orthochromites. Journal of Materials Science: Materials in Electronics, 2020, 31, 9335-9351.	2.2	23
24	Investigation of structural, optical, electrical, and magnetic properties of Fe-doped La _{0.7} Sr _{0.3} MnO ₃ manganites. International Journal of Applied Ceramic Technology, 2020, 17, 2430-2438.	2.1	13
25	Unravelling the effect of Ni doping on the structural, optical and dielectric properties of nanocrystalline SnO ₂ . Chinese Journal of Physics, 2020, 66, 543-552.	3.9	7
26	Room temperature dual ferroic behavior induced by (Bi, Ni) co-doping in nanocrystalline Nd _{0.7} Bi _{0.3} Fe _{1-x} Ni _x O ₃ (0 ≤ x ≤ 0.3). Journal of Materials Science: Materials in Electronics, 2020, 31, 11010-11020.	2.2	13
27	Investigation of alteration in physical properties of dysprosium orthochromite instigated through cobalt doping. Journal of Alloys and Compounds, 2020, 843, 155637.	5.5	17
28	Structural, optical and enhanced multiferroic properties of La/Cr co-substituted BiFeO ₃ nanostructures. Journal of Materials Science: Materials in Electronics, 2020, 31, 11177-11194.	2.2	13
29	Structure and morphological study of Mn doped GdCrO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
30	Structural and optical properties of praseodymium ions post-functionalized metal-organic framework. AIP Conference Proceedings, 2020, , .	0.4	0
31	Dopant incited alterations in structural, morphological, optical, and dielectric properties of Er-doped LaCrO ₃ . Journal of Materials Science: Materials in Electronics, 2020, 31, 3466-3478.	2.2	17
32	Investigation of Structural, Optical and Electrical Transport Properties of Yttrium Doped La _{0.7} Ca _{0.3} MnO ₃ Perovskites. Electronic Materials Letters, 2020, 16, 321-331.	2.2	11
33	Structural, thermal, dielectric and multiferroic investigations on LaFeO ₃ composite systems. Journal of Materials Science: Materials in Electronics, 2020, 31, 7811-7830.	2.2	12
34	High Temperature Dielectric Response and AC Conductivity Mechanism of (Nd, Ni) codoped BiFeO ₃ . International Journal of Innovative Research in Physics, 2020, 1, 1-7.	0.2	0
35	Investigation of optical and electrical properties of graphene oxide/TiO ₂ nanocomposite. AIP Conference Proceedings, 2020, , .	0.4	0
36	Study of x-ray photo-emission spectroscopy and multiple metal to insulator transitions in an electron doped system of La _{1-x} R _x MnO ₃ (x = 0.10, 0.20). Journal of Alloys and Compounds, 2019, 770, 1049-1054.	5.5	5

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37	A comparative study of NdFeO ₃ and NdFe _{0.7} Zn _{0.3} O ₃ :Structural modifications, surface morphology and optical properties. AIP Conference Proceedings, 2019, , .	0.4	2
38	Exploration of electronic structure, vibrational spectra and defect energy of Mn incorporated neodymium orthoferrite perovskites. AIP Conference Proceedings, 2019, , .	0.4	0
39	Exploring the role of Zn doping on the structure, morphology, and optical properties of LaFeO ₃ . Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	20
40	Structure of nanocrystalline Nd _{0.5} R _{0.5} FeO ₃ (R=La, Pr, and Sm) intercorrelated with optical, magnetic and thermal properties. Journal of Alloys and Compounds, 2019, 806, 1250-1259.	5.5	22
41	Structural, morphological, thermal and optical investigations on Mn doped GdCrO ₃ . Journal of Alloys and Compounds, 2019, 804, 401-414.	5.5	30
42	Epitaxial growth of cobalt doped TiO ₂ thin films on LaAlO ₃ (100) substrate by molecular beam epitaxy and their opto-magnetic based applications. Applied Surface Science, 2019, 493, 691-702.	6.1	21
43	Temperature dependent dielectric properties and ac conductivity of GdFe _{1-x} MnxO ₃ (0 ≤ x ≤ 0.3) perovskites. Journal of Materials Science: Materials in Electronics, 2019, 30, 20119-20131.	2.2	10
44	Scrutinizing the impact of manganese doping on structural and dielectric properties of nanocrystalline La _{0.9} Bi _{0.1} CrO ₃ orthochromite. AIP Conference Proceedings, 2019, , .	0.4	0
45	Structural and thermal properties of co-doped La _{0.7} R _{0.3} Fe _{0.7} Co _{0.3} O ₃ (R=Eu, Pr, and Y) perovskite. AIP Conference Proceedings, 2019, , .	0.4	1
46	Temperature dependent dielectric response and conduction mechanism of nickel doped bismuth ferrite nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	2
47	Impurity induced dielectric relaxor behavior in Zn doped LaFeO ₃ . Journal of Materials Science: Materials in Electronics, 2019, 30, 19227-19238.	2.2	7
48	Probing the role of (Nd, Ni) co-doping on structural and optical properties of nanocrystalline BiFeO ₃ . AIP Conference Proceedings, 2019, , .	0.4	2
49	Effect of codoping of Rare Earth ions on Microstructure and Band Gap of Ti _{0.98} A _{0.01} Gd _{0.01} O ₂ (A: Tj ETQq1 1 0.784314 rgBT /Over Materials Science and Engineering, 2019, 577, 012087.	0.6	0
50	Consequences of (Cr/Co) co-doping on the microstructure, optical and magnetic properties of microwave assisted sol-gel derived TiO ₂ nanoparticles. Journal of Luminescence, 2019, 205, 406-416.	3.1	18
51	Investigation of structure and physical properties of cobalt doped nano-crystalline neodymium orthoferrite. Journal of Alloys and Compounds, 2019, 778, 439-451.	5.5	58
52	Sol-gel derived cobalt doped LaCrO ₃ : Structure and physical properties. Journal of Alloys and Compounds, 2019, 784, 541-555.	5.5	49
53	Influence of Mn doping on microstructure, optical, dielectric and magnetic properties of BiFeO ₃ nanoceramics synthesized via sol-gel method. Ceramics International, 2019, 45, 7437-7445.	4.8	59
54	Influence of Zn doping on structural, optical and dielectric properties of LaFeO ₃ . Materials Research Express, 2018, 5, 055009.	1.6	36

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55	Effect of cobalt doping on structural and optical properties of nanocrystalline La _{0.8} Pb _{0.2} CrO ₃ orthochromite. AIP Conference Proceedings, 2018, , .	0.4	1
56	Structural analysis of LaFeO ₃ thin films grown on SrTiO ₃ and LaAlO ₃ substrates. AIP Conference Proceedings, 2018, , .	0.4	2
57	Microstructural and optical properties of Mn doped NiO nanostructures synthesized via sol-gel method. AIP Conference Proceedings, 2018, , .	0.4	1
58	Exploring the Room-Temperature Ferromagnetism and Temperature-Dependent Dielectric Properties of Sr/Ni-Doped LaFeO ₃ Nanoparticles Synthesized by Reverse Micelle Method. Journal of Electronic Materials, 2018, 47, 1916-1923.	2.2	3
59	Influence of Mn substitution on morphological, thermal and optical properties of nanocrystalline GdFeO ₃ orthoferrite. Nano Structures Nano Objects, 2018, 15, 17-27.	3.5	66
60	Structural Properties and Williamson-Hall Analysis of Mn Doped SmFeO ₃ . Materials Today: Proceedings, 2018, 5, 5615-5622.	1.8	5
61	Dielectric response and room temperature ferromagnetism in Cr doped anatase TiO ₂ nanoparticles. Journal of Magnetism and Magnetic Materials, 2018, 447, 155-166.	2.3	31
62	Liquefied petroleum gas sensor based on manganese (III) oxide and zinc manganese (III) oxide nanoparticles. Materials Research Express, 2018, 5, 015014.	1.6	4
63	Study of structural, morphological, optical, and dielectric behaviour of zinc-doped nanocrystalline lanthanum chromite. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	18
64	Tailoring dielectric properties and multiferroic behavior of nanocrystalline BiFeO ₃ via Ni doping. Journal of Applied Physics, 2018, 124, .	2.5	47
65	Influence of Mn doping on structural, dielectric and optical properties of neodymium orthoferrite. AIP Conference Proceedings, 2018, , .	0.4	4
66	Effect of cobalt doping on structural and dielectric properties of nanocrystalline LaCrO ₃ . AIP Conference Proceedings, 2018, , .	0.4	1
67	Study of structural, dielectric and optical properties of NdMnO ₃ . AIP Conference Proceedings, 2018, , .	0.4	3
68	Significant enhancement in photocatalytic performance of Ni doped BiFeO ₃ nanoparticles. Materials Research Express, 2018, 5, 065506.	1.6	36
69	Synthesis and magnetic dispersibility of magnetite decorated reduced graphene oxide. Nano Structures Nano Objects, 2018, 16, 180-184.	3.5	13
70	Epitaxial LaFeO ₃ and LaFe _{0.75} Zn _{0.25} O ₃ thin films on SrTiO ₃ (STO) (100) substrate: Structural studies and high energy magnon excitations. Applied Physics Letters, 2018, 113, .	3.3	6
71	Analysis of Zn substitution on structure, optical absorption, magnetization, and high temperature specific heat anomaly of the nano-crystalline LaFeO ₃ . Journal of Applied Physics, 2018, 124, .	2.5	43
72	Influence of cobalt doping on the structural, optical and luminescence properties of sol-gel derived TiO ₂ nanoparticles. Philosophical Magazine, 2017, 97, 17-27.	1.6	12

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73	Investigation of the role of iron doping on the structural, optical and photoluminescence properties of sol-gel derived TiO ₂ nanoparticles. Journal of Luminescence, 2016, 172, 258-263.	3.1	13
74	Magnetic and Raman spectroscopic study of laser ablated 100 (nm) thin film of La _{0.85} Te _{0.15} MnO ₃ deposited on LaAlO ₃ . Journal of Alloys and Compounds, 2016, 667, 225-228.	5.5	4
75	EFFECT OF Mn DOPING ON STRUCTURAL AND DIELECTRIC PROPERTIES OF GdFeO ₃ . International Journal of Advanced Research, 2016, 4, 1850-1859.	0.0	3
76	Effect of Mn doping on structural and dielectric properties of SmFeO ₃ . , 2016, , .		0
77	Structural and dielectric properties of Zn doped LaFeO ₃ . , 2016, , .		0
78	Synthesis and characterization of electron doped La _{0.85} Te _{0.15} MnO ₃ thin film grown on LaAlO ₃ substrate by pulsed laser deposition technique. AIP Conference Proceedings, 2015, , .	0.4	0
79	Effect of pH variation on structural and optical properties of Zn _{0.95} Co _{0.05} O nanoparticles. Journal of Luminescence, 2015, 160, 311-316.	3.1	11
80	Effect of thickness variation on the physical properties of La _{0.85} Te _{0.15} MnO ₃ thin films grown on LaAlO ₃ (001) by pulsed laser deposition. Materials Chemistry and Physics, 2015, 160, 66-72.	4.0	2
81	Variation in band gap of lanthanum chromate by transition metals doping LaCr _{0.9A} O _{1.03} (A:Fe/Co/Ni). , 2014, , .		6
82	Effect of Mn doping on structural and optical properties of sol gel derived ZnO nanoparticles. Journal of Luminescence, 2014, 145, 132-137.	3.1	53
83	Morphology and magneto-transport properties of electron doped La _{0.85} Te _{0.15} MnO ₃ thin film deposited on LaAlO ₃ substrate. Materials Research Bulletin, 2014, 57, 72-78.	5.2	6
84	Study of cobalt doping on structural and luminescence properties of nanocrystalline ZnO. Journal of Luminescence, 2014, 154, 430-436.	3.1	13
85	Effect of Zn doping on structural, magnetic and dielectric properties of LaFeO ₃ synthesized through sol-gel auto-combustion process. Materials Research Bulletin, 2013, 48, 4506-4512.	5.2	107
86	Structural and dielectric properties of La _{0.8} Te _{0.2} MnO ₃ . Solid State Communications, 2013, 157, 29-33.	1.9	14
87	Structural, transport, magnetic, and dielectric properties of La _{1-x} Te _x MnO ₃ (x=0.10 and 0.15). Journal of Materials Science, 2013, 48, 3272-3282.	3.7	12
88	Effects of Mn substitution on structural and optical properties of ZnO nanoparticles. , 2013, , .		2
89	Structural and dielectric properties of LaFe _{1-x} Zn _x O ₃ (0 ≤ x ≤ 0.3). , 2013, , .		1
90	ESR STUDY OF SN DOPED LA ₂ MN ₂ O ₇ SYNTHESIZED THROUGH SOLID STATE AND WET CHEMICAL REACTION ROUTES. , 2011, , .		0

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91	Small polaron hopping conduction mechanism in Fe doped LaMnO ₃ . Journal of Chemical Physics, 2011, 135, 054501.	3.0	113
92	Influence of 190 MeV Ag ⁺ ion irradiation on electrical transport and magnetic properties of LaFe _{1-x} Ni _x O ₃ (x=0.3 and 0.4) thin films. Journal of Applied Physics, 2010, 107, 093704.	2.5	5
93	Small polaron hopping conduction mechanism in Ni-doped LaFeO ₃ . Philosophical Magazine, 2010, 90, 3069-3079.	1.6	14
94	Effect of 200MeV Ag ion irradiation on pink noise and magneto-transport properties of La _{0.7} Ce _{0.3} MnO ₃ thin films. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 268-271.	1.4	0
95	Enhanced magnetic and bolometric sensitivity of La _{0.7} Ce _{0.3} MnO ₃ thin films due to 200 MeV Ag ion irradiation. Applied Physics Letters, 2005, 86, 222501.	3.3	31
96	Electron- and hole-doping effects on the electronic structure of manganite studied by x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2004, 16, 3791-3799.	1.8	39
97	Structural, electrical transport, magnetization, and 1/f noise studies in 200MeV Ag ion irradiated La _{0.7} Ce _{0.3} MnO ₃ thin films. Journal of Applied Physics, 2004, 96, 7383-7387.	2.5	42
98	ELECTRONIC STRUCTURES OF La _{0.7} Ca _{0.3} MnO ₃ AND La _{0.7} Ce _{0.3} MnO ₃ BY X-RAY ABSORPTION SPECTROSCOPY. Surface Review and Letters, 2002, 09, 1053-1057.	1.1	14
99	Study of structural and electronic transport properties of Ce-doped LaMnO ₃ . Pramana - Journal of Physics, 2002, 58, 1045-1049.	1.8	9
100	Electron paramagnetic resonance of Fe ³⁺ ions in Bi ₂ O ₃ -PbO-Fe ₂ O ₃ glasses. Journal of Alloys and Compounds, 2001, 326, 47-49.	5.5	11