

Shahid Husain

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1985843/publications.pdf>

Version: 2024-02-01

100
papers

1,508
citations

361413

20
h-index

361022

35
g-index

100
all docs

100
docs citations

100
times ranked

1414
citing authors

#	ARTICLE	IF	CITATIONS
1	Small polaron hopping conduction mechanism in Fe doped LaMnO ₃ . Journal of Chemical Physics, 2011, 135, 054501.	3.0	113
2	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
3	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
4	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
5	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
6	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
7	Sol-gel derived cobalt doped LaCrO ₃ : Structure and physical properties. Journal of Alloys and Compounds, 2019, 784, 541-555.	5.5	49
8	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
9	Tailoring dielectric properties and multiferroic behavior of nanocrystalline BiFeO ₃ via Ni doping. Journal of Applied Physics, 2018, 124, .	2.5	47
10	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
11	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
12	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
13	Influence of Zn doping on structural, optical and dielectric properties of LaFeO ₃ . Materials Research Express, 2018, 5, 055009.	1.6	36
14	Significant enhancement in photocatalytic performance of Ni doped BiFeO ₃ nanoparticles. Materials Research Express, 2018, 5, 065506.	1.6	36
15	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
16	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
17	Structural and optical properties of Mn ₂ O ₃ nanoparticles & its gas sensing applications. Advanced Materials Proceedings, 2021, 1, 220-225.	0.2	31
18	Structural, morphological, thermal and optical investigations on Mn doped GdCrO ₃ . Journal of Alloys and Compounds, 2019, 804, 401-414.	5.5	30

#	ARTICLE	IF	CITATIONS
19	Investigation of relaxation phenomenon in lanthanum orthoferrite extracted through complex impedance and electric modulus spectroscopy. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	24
20	Influence of Mn doping on dielectric properties, conduction mechanism and photocatalytic nature of gadolinium-based orthochromites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9335-9351.	2.2	23
21	Structure of nanocrystalline Nd _{0.5} R _{0.5} FeO ₃ (R=La, Pr, and Sm) intercorrelated with optical, magnetic and thermal properties. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1250-1259.	5.5	22
22	Role of Cr doping in tuning the optical and dielectric properties of TiO ₂ nanostructures. <i>Materials Chemistry and Physics</i> , 2020, 256, 123641.	4.0	22
23	Epitaxial growth of cobalt doped TiO ₂ thin films on LaAlO ₃ (100) substrate by molecular beam epitaxy and their opto-magnetic based applications. <i>Applied Surface Science</i> , 2019, 493, 691-702.	6.1	21
24	Exploring the role of Zn doping on the structure, morphology, and optical properties of LaFeO ₃ . <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	20
25	Study of structural, morphological, optical, and dielectric behaviour of zinc-doped nanocrystalline lanthanum chromite. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	18
26	Consequences of (Cr/Co) co-doping on the microstructure, optical and magnetic properties of microwave assisted sol-gel derived TiO ₂ nanoparticles. <i>Journal of Luminescence</i> , 2019, 205, 406-416.	3.1	18
27	Investigation of alteration in physical properties of dysprosium orthochromite instigated through cobalt doping. <i>Journal of Alloys and Compounds</i> , 2020, 843, 155637.	5.5	17
28	Dopant incited alterations in structural, morphological, optical, and dielectric properties of Er-doped LaCrO ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3466-3478.	2.2	17
29	Structural modifications and enhanced ferroelectric nature of NdFeO ₃ â€“PbTiO ₃ composites. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	16
30	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. <i>Surface Review and Letters</i> , 2002, 09, 1053-1057.	1.1	14
31	Small polaron hopping conduction mechanism in Ni-doped LaFeO ₃ . <i>Philosophical Magazine</i> , 2010, 90, 3069-3079.	1.6	14
32	Structural and dielectric properties of La _{0.8} Te _{0.2} MnO ₃ . <i>Solid State Communications</i> , 2013, 157, 29-33.	1.9	14
33	Microstructure, optical and dielectric properties of cobalt-doped zinc ferrite nanostructures. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21988-22002.	2.2	14
34	Study of cobalt doping on structural and luminescence properties of nanocrystalline ZnO. <i>Journal of Luminescence</i> , 2014, 154, 430-436.	3.1	13
35	Investigation of the role of iron doping on the structural, optical and photoluminescence properties of solâ€“gel derived TiO ₂ nanoparticles. <i>Journal of Luminescence</i> , 2016, 172, 258-263.	3.1	13
36	Synthesis and magnetic dispersibility of magnetite decorated reduced graphene oxide. <i>Nano Structures Nano Objects</i> , 2018, 16, 180-184.	3.5	13

#	ARTICLE	IF	CITATIONS
37	Investigation of structural, optical, electrical, and magnetic properties of Fe-doped $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ manganites. International Journal of Applied Ceramic Technology, 2020, 17, 2430-2438.	2.1	13
38	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
39	Structural, transport, magnetic, and dielectric properties of $\text{La}^{1-x}\text{Te}_x\text{MnO}_3$ ($x=0.10$ and 0.15). Journal of Materials Science, 2013, 48, 3272-3282.	3.7	12
40	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
41	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
42	Electron paramagnetic resonance of Fe^{3+} ions in $\text{Bi}_2\text{O}_3\text{-PbO-Fe}_2\text{O}_3$ glasses. Journal of Alloys and Compounds, 2001, 326, 47-49.	5.5	11
43	Effect of pH variation on structural and optical properties of $\text{Zn}_{0.95}\text{Co}_{0.05}\text{O}$ nanoparticles. Journal of Luminescence, 2015, 160, 311-316.	3.1	11
44	Investigation of Structural, Optical and Electrical Transport Properties of Yttrium Doped $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ Perovskites. Electronic Materials Letters, 2020, 16, 321-331.	2.2	11
45	Temperature dependent dielectric properties and ac conductivity of $\text{GdFe}_{1-x}\text{MnxO}_3$ ($0 \leq x \leq 0.3$) perovskites. Journal of Materials Science: Materials in Electronics, 2019, 30, 20119-20131.	2.2	10
46	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
47	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
48	Study of structural and electronic transport properties of Ce-doped LaMnO_3 . Pramana - Journal of Physics, 2002, 58, 1045-1049.	1.8	9
49	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
50	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
51	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
52	Impurity induced dielectric relaxor behavior in Zn doped LaFeO_3 . Journal of Materials Science: Materials in Electronics, 2019, 30, 19227-19238.	2.2	7
53	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
54	Variation in band gap of lanthanum chromate by transition metals doping $\text{LaCr}_{0.9}\text{A}_{0.1}\text{O}_3$ (A:Fe/Co/Ni)., 2014, , .		6

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Structural and electrochemical properties of GO/Mn ₃ O ₄ nanocomposite. Journal of Materials Science: Materials in Electronics, 2021, 32, 3894-3902.	2.2	6
58	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
59	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
60	Structural Properties and Williamson-Hall Analysis of Mn Doped SmFeO ₃ . Materials Today: Proceedings, 2018, 5, 5615-5622.	1.8	5
61	Study of x-ray photo-emission spectroscopy and multiple metal to insulator transitions in an electron doped system of La _{1-x} Zr _x MnO ₃ (x=0.10, 0.20). Journal of Alloys and Compounds, 2019, 770, 1049-1054.	5.5	5
62	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
63	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
64	Liquefied petroleum gas sensor based on manganese (III) oxide and zinc manganese (III) oxide nanoparticles. Materials Research Express, 2018, 5, 015014.	1.6	4
65	Influence of Mn doping on structural, dielectric and optical properties of neodymium orthoferrite. AIP Conference Proceedings, 2018, , .	0.4	4
66	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
67	Study of structural, dielectric and optical properties of NdMnO ₃ . AIP Conference Proceedings, 2018, , .	0.4	3
68	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	3
69	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
70	Influence of Ni doping on physical properties of La _{0.7} Sr _{0.3} FeO ₃ synthesized by reverse micelle technique. Journal of Materials Science: Materials in Electronics, 2021, 32, 3753-3765.	2.2	3
71	EFFECT OF Mn DOPING ON STRUCTURAL AND DIELECTRIC PROPERTIES OF GdFeO ₃ . International Journal of Advanced Research, 2016, 4, 1850-1859.	0.0	3
72	Effects of Mn substitution on structural and optical properties of ZnO nanoparticles. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
73	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
74	Structural analysis of LaFeO ₃ thin films grown on SrTiO ₃ and LaAlO ₃ substrates. AIP Conference Proceedings, 2018, , .	0.4	2
75	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
76	Temperature dependent dielectric response and conduction mechanism of nickel doped bismuth ferrite nanoparticles. AIP Conference Proceedings, 2019, , .	0.4	2
77	Probing the role of (Nd, Ni) co-doping on structural and optical properties of nanocrystalline BiFeO ₃ . AIP Conference Proceedings, 2019, , .	0.4	2
78	A comparative study of ZnO nanostructures synthesized via sol-gel and hydrothermal processes. AIP Conference Proceedings, 2020, , .	0.4	2
79	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
80	Structural and dielectric properties of LaFe _[sub 1-^x] Zn _[sub x] O _[sub 3] (O _{2-x}). , 2013, , .		1
81	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
82	Microstructural and optical properties of Mn doped NiO nanostructures synthesized via sol-gel method. AIP Conference Proceedings, 2018, , .	0.4	1
83	Effect of cobalt doping on structural and dielectric properties of nanocrystalline LaCrO ₃ . AIP Conference Proceedings, 2018, , .	0.4	1
84	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
85	Influence of Ni doping on the optical properties of BiFeO ₃ multiferroic. AIP Conference Proceedings, 2020, , .	0.4	1
86	Modified multiferroic behavior: A case study of NdFeO ₃ -SrTiO ₃ composite. AIP Conference Proceedings, 2020, , .	0.4	1
87	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
88	ESR STUDY OF SN DOPED LA _[sub 2] MN _[sub 2] O _[sub 7] SYNTHESIZED THROUGH SOLID STATE AND WET CHEMICAL REACTION ROUTES. , 2011, , .		0
89	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
90	Exploration of electronic structure, vibrational spectra and defect energy of Mn incorporated neodymium orthoferrite perovskites. AIP Conference Proceedings, 2019, , .	0.4	0

#	ARTICLE	IF	CITATIONS
91	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
92	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 ETQq0 0 0 rgBT /Overlock 10 Tf 5 Materials Science and Engineering, 2019, 577, 012087.	0.6	0
93	Study of frequency dependent dielectric response and ferroelectric behaviour of (Nd,Ni) co-doped BiFeO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
94	Raman spectroscopic and thermal studies of Zn doped LaCrO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
95	Structure and morphological study of Mn doped GdCrO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
96	Structural and optical properties of praseodymium ions post-functionalized metal-organic framework. AIP Conference Proceedings, 2020, , .	0.4	0
97	Effect of Mn doping on structural and dielectric properties of SmFeO ₃ . , 2016, , .		0
98	Structural and dielectric properties of Zn doped LaFeO ₃ . , 2016, , .		0
99	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
100	Investigation of optical and electrical properties of graphene oxide/TiO ₂ nanocomposite. AIP Conference Proceedings, 2020, , .	0.4	0