

Anand Somvanshi

List of Publications by Year in descending order

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28
papers

294
citations

933447

10
h-index

888059

17
g-index

28
all docs

28
docs citations

28
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Structural, morphological, thermal and optical investigations on Mn doped GdCrO ₃ . Journal of Alloys and Compounds, 2019, 804, 401-414.	5.5	30
3	Investigation of relaxation phenomenon in lanthanum orthoferrite extracted through complex impedance and electric modulus spectroscopy. Journal of Applied Physics, 2020, 128, .	2.5	24
4	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
5	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
6	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
7	Investigation of alteration in physical properties of dysprosium orthochromite instigated through cobalt doping. Journal of Alloys and Compounds, 2020, 843, 155637.	5.5	17
8	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
9	Structural modifications and enhanced ferroelectric nature of NdFeO ₃ â€“PbTiO ₃ composites. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	16
10	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
11	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
12	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
13	Thermally stimulated small polaron promoted conduction mechanism in Fe-doped La _{0.7} Sm _{0.3} CrO ₃ . Journal of Physics and Chemistry of Solids, 2020, 138, 109281.	4.0	8
14	Impurity induced dielectric relaxor behavior in Zn doped LaFeO ₃ . Journal of Materials Science: Materials in Electronics, 2019, 30, 19227-19238.	2.2	7
15	Microstructural and dielectric relaxation study of Gd ³⁺ ion substituted MgFe ₂ O ₄ . AIP Conference Proceedings, 2020, , .	0.4	5
16	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
17	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 (0â€“xâ€“0.3). Journal of Materials Science: Materials in Electronics, 2020, 31, 11010-11020.	2.2	5
18	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

#	ARTICLE	IF	CITATIONS
19	Probing the role of (Nd, Ni) co-doping on structural and optical properties of nanocrystalline BiFeO ₃ . AIP Conference Proceedings, 2019, , .	0.4	2
20	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
21	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
22	Modified multiferroic behavior: A case study of NdFeO ₃ -SrTiO ₃ composite. AIP Conference Proceedings, 2020, , .	0.4	1
23	Exploration of electronic structure, vibrational spectra and defect energy of Mn incorporated neodymium orthoferrite perovskites. AIP Conference Proceedings, 2019, , .	0.4	0
24	Study of frequency dependent dielectric response and ferroelectric behaviour of (Nd,Ni) co-doped BiFeO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
25	Raman spectroscopic and thermal studies of Zn doped LaCrO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
26	Structure and morphological study of Mn doped GdCrO ₃ . AIP Conference Proceedings, 2020, , .	0.4	0
27	Structural and optical properties of praseodymium ions post-functionalized metal-organic framework. AIP Conference Proceedings, 2020, , .	0.4	0
28	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