

Satish Khasa

List of Publications by Year in descending order

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86
papers

1,406
citations

279798

23
h-index

377865

34
g-index

86
all docs

86
docs citations

86
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric loss, conductivity relaxation process and magnetic properties of Mg substituted Ni-Cu ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2506-2511.	2.3	70
2	Rietveld refinement, dielectric and magnetic properties of NBT-Spinel ferrite composites. <i>Journal of Alloys and Compounds</i> , 2019, 806, 737-752.	5.5	61
3	Dy ³⁺ doped LiCl-CaO-Bi ₂ O ₃ -B ₂ O ₃ glasses for WLED applications. <i>Ceramics International</i> , 2017, 43, 11132-11141.	4.8	59
4	EPR and impedance spectroscopic investigations on lithium bismuth borate glasses containing nickel and vanadium ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 157, 129-137.	3.9	55
5	Effect of nickel ions on electron paramagnetic resonance, DC conductivity and thermal behavior in vanadyl doped NiO-Li ₂ O-B ₂ O ₃ glasses. <i>Materials Chemistry and Physics</i> , 2001, 72, 366-373.	4.0	50
6	Effect of Bi ₂ O ₃ on EPR, optical transmission and DC conductivity of vanadyl doped alkali bismuth borate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 2281-2288.	4.0	50
7	EPR, FTIR, thermal and electrical properties of VO ²⁺ doped BaCl ₂ -BaO-B ₂ O ₃ glasses. <i>Journal of Molecular Structure</i> , 2015, 1079, 15-20.	3.6	50
8	Structural refinement, investigation of dielectric and magnetic properties of NBT doped BaFe ₁₂ O ₁₉ novel composite system. <i>Journal of Alloys and Compounds</i> , 2020, 826, 154214.	5.5	49
9	Effect of substituting iron on structural, thermal and dielectric properties of lithium borate glasses. <i>Materials Research Bulletin</i> , 2015, 70, 559-566.	5.2	47
10	Structural influence of mixed transition metal ions on lithium bismuth borate glasses. <i>Solid State Sciences</i> , 2017, 70, 54-65.	3.2	46
11	Optical and thermal investigations on vanadyl doped zinc lithium borate glasses. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 234-239.	2.3	45
12	Electrical characterization of lithium bismuth borate glasses containing cobalt/vanadium ions. <i>Solid State Ionics</i> , 2017, 312, 21-31.	2.7	45
13	Physical, thermal, structural and optical absorption studies of vanadyl doped magnesium oxy-chloride bismo-borate glasses. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 206-211.	2.3	35
14	Mixed alkali effect in optical properties of lithium-potassium bismuth borate glass system. <i>Materials Letters</i> , 2004, 58, 694-698.	2.6	30
15	Optical absorption and heating rate dependent glass transition in vanadyl doped calcium oxy-chloride borate glasses. <i>Journal of Molecular Structure</i> , 2015, 1086, 172-178.	3.6	30
16	Crystal structure transformation and improved dielectric and magnetic properties of La-substituted BiFeO ₃ multiferroics. <i>Ceramics International</i> , 2017, 43, 12095-12101.	4.8	30
17	Investigations of structural, enhanced dielectric and magnetic properties of NBT doped ferrite system. <i>Materials Chemistry and Physics</i> , 2020, 249, 123214.	4.0	30
18	Improved white light emission in Dy ³⁺ doped LiF-CaO-Bi ₂ O ₃ -B ₂ O ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 498, 470-479.	3.1	27

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19	Improved structural, dielectric and magnetic properties of Ca ²⁺ and Nb ⁵⁺ co-substituted BiFeO ₃ multiferroics. <i>Journal of Alloys and Compounds</i> , 2017, 722, 606-616.	5.5	26
20	Compositional dependence of white light emission in Dy ³⁺ doped NaCl ⁺ BaO bismuth borate glasses. <i>Journal of Luminescence</i> , 2019, 209, 121-128.	3.1	26
21	Effect of magnetic ion, Fe ³⁺ on the structural and dielectric properties of Oxychloro Bismuth Borate Glasses. <i>Solid State Sciences</i> , 2020, 110, 106491.	3.2	26
22	Electron paramagnetic resonance study of the vanadyl ion in xCoO.(1-x)(ZnO.2B ₂ O ₃) glasses. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1997, 76, 859-865.	0.6	24
23	Thermal characterization of novel magnesium oxyhalide bismo-borate glass doped with VO ₂ ⁺ ions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 457-465.	3.6	24
24	Tuneable colour flexibility in Dy ³⁺ &Eu ³⁺ co-doped lithium fluoride bismuth borate glass system for solid state lighting applications. <i>Journal of Non-Crystalline Solids</i> , 2022, 576, 121237.	3.1	24
25	Chemical synthesis and magnetic investigations on Cr ³⁺ substituted Zn-ferrite superparamagnetic nano-particles. <i>Ceramics International</i> , 2015, 41, 1907-1911.	4.8	23
26	Structural, optical and thermal properties of transition metal ions doped bismuth borate glasses. <i>Journal of Commonwealth Law and Legal Education</i> , 2016, 57, 45-52.	0.5	23
27	EPR study of vanadyl ions in Li ₂ O-MoO ₃ -B ₂ O ₃ glasses. <i>Materials Research Bulletin</i> , 1999, 34, 1089-1097.	5.2	22
28	Electron paramagnetic resonance and thermal behaviour of lithium potassium borate glasses containing Cu ²⁺ ions. <i>Optical Materials</i> , 1999, 12, 47-52.	3.6	19
29	Effect of Bi ₂ O ₃ on electron paramagnetic resonance, optical transmission and conductivity in vanadyl-doped Bi ₂ O ₃ -K ₂ O-B ₂ O ₃ glasses. <i>Materials Chemistry and Physics</i> , 2004, 85, 215-221.	4.0	19
30	Study of electron paramagnetic resonance, optical transmission and dc conductivity of vanadyl doped Bi ₂ O ₃ -B ₂ O ₃ -Li ₂ O glasses. <i>Journal of Alloys and Compounds</i> , 2004, 377, 225-231.	5.5	19
31	Fe-substituted Co-Li bismuth borate glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1191-1199.	3.6	19
32	On the role of ZnO on properties of vitreous bismuth silicates. <i>Journal of Alloys and Compounds</i> , 2017, 696, 688-696.	5.5	19
33	Conductivity and dielectric relaxation in niobium alkali borate glasses. <i>Physica B: Condensed Matter</i> , 2010, 405, 4919-4924.	2.7	18
34	Lead modified properties of molybdenum doped lithium borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2018, 485, 24-33.	3.1	18
35	Effect of vanadium and cobalt ions on electrical conductivity and EPR in sodium borate glasses. <i>Radiation Effects and Defects in Solids</i> , 1997, 140, 197-208.	1.2	17
36	Electron paramagnetic resonance, optical transmission spectra and DC conductivity studies of vanadyl-doped alkali halide borate glasses. <i>Physica B: Condensed Matter</i> , 2003, 334, 347-358.	2.7	14

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37	Effect of MoO ₃ on electron paramagnetic resonance spectra, optical spectra and dc conductivity of vanadyl ion doped alkali molybdo-borate glasses. Journal of Molecular Structure, 2014, 1060, 182-190.	3.6	14
38	Study of EPR, optical properties and dc conductivity of VO ₂ ⁺ ion doped TiO ₂ ·R ₂ O·B ₂ O ₃ (R=Li and K) glasses. Journal of Alloys and Compounds, 2013, 568, 112-117.	5.5	13
39	Effect of alkali addition on DC conductivity & thermal properties of vanadium-bismo-borate glasses. AIP Conference Proceedings, 2014, , .	0.4	12
40	Dielectric properties, complex impedance analysis and electrical properties of novel particulate composites of NBT-SrFe ₁₂ O ₁₉ . Journal of Materials Science: Materials in Electronics, 2020, 31, 11609-11617.	2.2	12
41	Influence of Nb ₂ O ₅ on the optical band gap and electrical conductivity of Nb ₂ O ₅ ·BaO·B ₂ O ₃ . IOP Conference Series: Materials Science and Engineering, 2009, 2, 012041.	0.6	10
42	Structural and magnetic investigations of innovative lead-free particulate composites of NBT- M-Type SrFe ₁₂ O ₁₉ Hexaferrite. Vacuum, 2020, 177, 109436.	3.5	10
43	On the dual role of halogen in magnesium oxyhalide bismuth borate glasses: Insight through optical absorption. Optik, 2017, 144, 22-25.	2.9	9
44	Synthesis, thermal and spectroscopic characterization of lithium bismuth borate glasses containing mixed transition metal ions. Journal of Commonwealth Law and Legal Education, 2016, 57, 146-152.	0.5	8
45	Investigations on structure, dielectric and multiferroic behavior of (1- x)BaFe ₁₂ O ₁₉ ·(x)BaTiO ₃ composites. Journal of Materials Science: Materials in Electronics, 2022, 33, 16441-16465.	2.2	8
46	FTIR studies of some vanadyl ion doped calcium oxychloride borate glasses. , 2013, , .		7
47	Dielectric characterization VO ₂ ⁺ doped CaCl ₂ ·CaO·B ₂ O ₃ glasses. Materials Letters, 2016, 176, 241-243.	2.6	7
48	Rietveld refinement and electrical properties of Ni-Zn spinel ferrites. AIP Conference Proceedings, 2017, , .	0.4	7
49	Dielectric and Magnetic Study of NiCuZn Spinel Ferrites. ECS Journal of Solid State Science and Technology, 2021, 10, 091013.	1.8	7
50	Dielectric characterization of bismuth layered (Bi ₂ O ₃)(Na _x Fe _{1-x} O ₃) ceramics. Physica B: Condensed Matter, 2014, 436, 64-73.	2.7	6
51	Effect of mixed transition metal ions on DC conductivity in lithium bismuth borate glasses. AIP Conference Proceedings, 2015, , .	0.4	6
52	Synthesis modified structural and dielectric properties of semiconducting zinc ferrosinels. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 168-174.	2.7	6
53	Compositional Dependence of Optical Absorption in Barium Oxychloride Borate Glasses. Journal of Advanced Physics, 2017, 6, 116-120.	0.4	6
54	Structural refinement, dielectric and spin exchange magnetic analysis of (1-x) BaFe ₁₂ O ₁₉ - (x) CoFe ₂ O ₄ composites. Physica B: Condensed Matter, 2022, 643, 414191.	2.7	6

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55	Appearance of small polaron hopping conduction in iron modified cobalt lithium bismuth borate glasses. AIP Conference Proceedings, 2016, , .	0.4	5
56	Crystallization of BaFe ₁₂ O ₁₉ magnetic particles in Fe ₂ O ₃ –B ₂ O ₃ –Bi ₂ O ₃ –BaO–LiCl glass ceramics. Bulletin of Materials Science, 2021, 44, 1.	1.7	5
57	Structural study and DC conductivity of vanadyl doped zinc lithium borate glasses. AIP Conference Proceedings, 2015, , .	0.4	4
58	Compositional dependence of properties in calcium substituted sodium borophosphate glasses containing VO_2^{2+} ions. Bulletin of Materials Science, 2019, 42, 1.	1.7	4
59	Effect of Li ⁺ ions on structural, optical and nano-crystallization behaviour of Na ₂ O–CaO–P ₂ O ₅ –B ₂ O ₃ glass system: Biomedical applications. Journal of Non-Crystalline Solids, 2022, 593, 121774.	3.1	4
60	Study of (Bi ₂ O ₃)(Ba _x Mo _{1-x} O ₃) polycrystalline ceramic as relaxor ferroelectric. Physica B: Condensed Matter, 2012, 407, 4752-4759.	2.7	3
61	The Effect of Matrix and Reinforcement Material Selection on the Tensile Properties of Hybrid Composites. The Journal of Sustainable Mobility, 2014, 1, 37-52.	0.0	3
62	Structural, Physical, Electrical and Dielectric Properties of Magnetic Glasses: xFe ₂ O ₃ + (30-x)V ₂ O ₅ + 30Na ₂ O + 40B ₂ O ₃ with x=0 to 15. Acta Physica Polonica A, 2019, 136, 897-909.	0.5	3
63	Influence of mixed transition ion on structural and optical properties of lithium bismuth borate glasses. AIP Conference Proceedings, 2020, , .	0.4	3
64	Structural analysis of mixed transition metal ion doped barium-boro-bismuthate glass system. Journal of Molecular Structure, 2022, 1264, 133291.	3.6	3
65	Structural and impedance spectroscopic investigations of eco-friendly alkali phosphoborate glass–ceramics containing zirconium ion. Environmental Science and Pollution Research, 2023, 30, 98609-98618.	5.3	3
66	Electron Paramagnetic Resonance, Optical Spectra and DC Conductivity Studies of Vanadyl Doped Bi ₂ O ₃ –BaO–B ₂ O ₃ Glasses. Radiation Effects and Defects in Solids, 2003, 158, 655-665.	1.2	2
67	Structural investigations of vanadyl doped Nb ₂ O ₅ –K ₂ O–B ₂ O ₃ glasses. IOP Conference Series: Materials Science and Engineering, 2009, 2, 012054.	0.6	2
68	XRD and FTIR analysis heat treated lithium bismo-borate glasses doped with 1.0 mol% copper ferrite. AIP Conference Proceedings, 2018, , .	0.4	2
69	Crystal structure refinement and electrical properties of Ni _{1-x} Cu _x Zn _y Fe ₂ O ₄ spinel ferrites. AIP Conference Proceedings, 2019, , .	0.4	2
70	Structural and electrical properties of Ni–Mg–Zn spinel ferrites. AIP Conference Proceedings, 2020, , .	0.4	2
71	Structural, dielectric and magnetic characteristics of Mn-substituted Bi _{0.80} Nd _{0.20} FeO ₃ multiferroics. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	2
72	Structural and Dielectric Investigations of Ferrite Nanoparticles Prepared by Chemical Co-Precipitation Method. Journal of Advanced Physics, 2014, 3, 111-115.	0.4	2

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73	Physical, Structural, and Magnetic Study of Dilute Magnetic Glasses: $x\text{Fe}_{2-x}\text{O}_3 + (2-x)\text{V}_2\text{O}_5 + 38\text{Li}_2\text{O} + 60\text{P}_2\text{O}_5$. Acta Physica Polonica A, 2020, 137, 1196-1208.		
74	Compositional variation of dielectric and magnetic parameters in $\text{Ni}_{0.5}\text{Mg}_x\text{Zn}_{0.5-x}\text{Fe}_2\text{O}_4$ spinel ferrites. Journal of Materials Science: Materials in Electronics, 2022, 33, 9709-9721.	2.2	2
75	Nano crystalline $\text{Bi}_2(\text{VO}_5)$ phases in lithium bismuth borate glasses containing mixed vanadium-nickel oxides. AIP Conference Proceedings, 2016, , .	0.4	1
76	Influence of LiCl on electrical properties of dysprosium doped calcium bismo borate glasses. AIP Conference Proceedings, 2019, , .	0.4	1
77	Structural investigations of lithium bismuth borate glasses doped with nickel ferrite. AIP Conference Proceedings, 2019, , .	0.4	1
78	White light emission from Dy^{3+} doped $\text{LiCl} \sim \text{CaO} \sim \text{Bi}_2\text{O}_3 \sim \text{B}_2\text{O}_3$ glasses. AIP Conference Proceedings, 2019, , .	0.4	1
79	Electrical characterization, crystallization and structural properties of iron doped barium bismuth borate glass ceramics. AIP Conference Proceedings, 2019, , .	0.4	1
80	Dielectric properties of nickel doped bismuth lithium borate glasses. AIP Conference Proceedings, 2016, , .	0.4	0
81	Nano-crystalline phase evolution and structural modification in Co/V substituted $\text{Li}_2\text{O}-\text{Bi}_2\text{O}_3-\text{B}_2\text{O}_3$ glasses. AIP Conference Proceedings, 2018, , .	0.4	0
82	Spectroscopic and thermal properties of Sm^{3+} doped iron lead bismuthate glasses. AIP Conference Proceedings, 2018, , .	0.4	0
83	Structural and dielectric properties of $\text{Na}_{0.7}\text{Bi}_{0.3}\text{TiO}_3$. AIP Conference Proceedings, 2019, , .	0.4	0
84	Structural refinement and DC conductivity of cobalt doped copper ferrite. AIP Conference Proceedings, 2020, , .	0.4	0
85	Physical, structural and magnetic study of $2\text{V}_2\text{O}_5-39\text{Li}_2\text{O}-59\text{P}_2\text{O}_5$ dilute magnetic glass. AIP Conference Proceedings, 2020, , .	0.4	0
86	Density and FTIR study of $\text{Fe}_2\text{O}_3 \sim \text{V}_2\text{O}_5 \sim \text{Na}_2\text{O} \sim \text{B}_2\text{O}_3$ dilute magnetic glasses. AIP Conference Proceedings, 2020, , .	0.4	0