Sukhleen Bindra Narang

List of Publications by Year
in descending order

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66 papers	1,016 citations	430874 18 h-index	454955 30 g-index
66 all docs	66 docs citations	66 times ranked	694 citing authors

#	Article	IF	Citations
1	Cobalt substituted nickel ferrites via Pechiniâ€™s solâ€“gel citrate route: X-band electromagnetic characterization. Journal of Magnetism and Magnetic Materials, 2018, 466, 430-445.	2.3	109
2	Structural, magnetic and microwave absorption behavior of Co-Zr substituted strontium hexaferrites prepared using tartaric acid fuel for electromagnetic interference suppression. Journal of Magnetism and Magnetic Materials, 2017, 422, 304-314.	2.3	64
3	Structural, magnetic and microwave properties of exchange coupled and non-exchange coupled BaFe12O19/NiFe2O4 nanocomposites. Journal of Alloys and Compounds, 2017, 725, 1175-1181.	5.5	56
4	Microwave characterization of Coâ€“Ti substituted barium hexagonal ferrites in X- band. Journal of Magnetism and Magnetic Materials, 2016, 405, 17-21.	2.3	48
5	Composition dependent magnetic and microwave properties of exchange-coupled hard/soft nanocomposite ferrite. Journal of Alloys and Compounds, 2020, 815, 152391.	5.5	46
6	Influence of grain size and porosity on X-band properties of Mn-Zr substituted Ni-Co ferrites. Materials Letters, 2019, 244, 186-191.	2.6	44
7	Comparative Dielectric Analysis of Co-Zr Doped M-Type Barium Hexaferrites BaCo_xZr_xFe_(12-2x)O₁₉Prepared by Different Wet Chemical Routes. Integrated Ferroelectrics, 2015, 167, 98-106.	0.7	42
8	Structural, dielectric and magnetic properties of BaFe 12â^'x Al x O 19 hexaferrite thick films. Journal of Magnetism and Magnetic Materials, 2017, 441, 465-474.	2.3	39
9	Effect of thickness on microwave absorptive behavior of La-Na doped Co-Zr barium hexaferrites in 18.0â€“26.5 GHz band. Journal of Magnetism and Magnetic Materials, 2017, 423, 441-446.	2.3	38
10	Thickness and Composition Tailoring of K- and Ka-Band Microwave Absorption of BaCo x Ti x Fe(12â^'2x)O19 Ferrites. Journal of Electronic Materials, 2017, 46, 718-728.	2.2	36
11	Nano-crystalline Magnesium Substituted Cadmium Ferrites as X-band Microwave Absorbers. Journal of Magnetism and Magnetic Materials, 2017, 441, 475-481.	2.3	33
12	Dielectric properties of lanthanum substituted barium titanate microwave ceramics. Materials Letters, 2006, 60, 3179-3182.	2.6	29
13	Single-layer & double-layer microwave absorbers based on Coâ€“Ti substituted barium hexaferrites for application in X and Ku-band. Journal of Materials Research, 2016, 31, 3682-3693.	2.6	24
14	Origin of absorption peaks in reflection loss spectrum in Ku- frequency band of Co-Zr substituted strontium hexaferrites prepared using sucrose precursor. Journal of Magnetism and Magnetic Materials, 2017, 426, 202-205.	2.3	24
15	Sol-gel route approach and improvisation in physico-chemical, structural, magnetic and electrical properties of BaCo/2Zn/2Zr Fe(12â^'2x)O19 ferrites. Journal of Magnetism and Magnetic Materials, 2018, 447, 32-41.	2.3	24
16	Electromagnetic Characterization of Co-Ti-Doped Ba-M Ferrite-Based Frequency-Tunable Microwave Absorber in 12.4â€“40 GHz. Journal of Superconductivity and Novel Magnetism, 2017, 30, 511-520.	1.8	22
17	Effect of Cu-Co-Zr Doping on the Properties of Strontium Hexaferrites Synthesized by Sol-Gel Auto-combustion Method. Journal of Superconductivity and Novel Magnetism, 2017, 30, 635-645.	1.8	20
18	Tunable M-type nano barium hexaferrite material by Zn²⁺/Zr⁴⁺ co-doping. Materials Research Express, 2019, 6, 116111.	1.6	20

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19	Schottkyâ€“Richardson, Pooleâ€“Frenkel, and Space Charge Limited Current Mechanisms in Mâ€Type Sr(MnTi)_xFe_(12â€2x)O₁₉ Ferrite. Journal of the American Ceramic Society, 2016, 99, 3639-3644.	3.8	16
20	Low fire M-phase lithium based dielectric ceramics for microwave applications: A review (I). Ferroelectrics, 2016, 502, 49-56.	0.6	16
21	Microwave Absorption Properties of Cobalt-Zirconium Doped Strontium Hexaferrites in Ku-Frequency Band. Journal of Superconductivity and Novel Magnetism, 2017, 30, 3465-3470.	1.8	16
22	Absorption Characterization of Mn-Zr-Substituted La-Sr Hexaferrite Using Open-Circuit and Short-Circuit Approaches in 8.2â€“18ÂGHz Frequency Range. Journal of Electronic Materials, 2018, 47, 820-827.	2.2	16
23	Frequency and temperature dependence of dielectric and electric properties of Ba_{2-x}Sm_{4+2x/3}Ti₈O₂₄ with structural analysis. Materials Science-Poland, 2015, 33, 268-277.	1.0	15
24	Structural and dielectric properties of co-substituted M-type barium hexaferrite. Journal of Materials Science: Materials in Electronics, 2016, 27, 10157-10162.	2.2	14
25	Dielectric and impedance studies of (Pb1â^'xCax)(Fe0.5Nb0.5)O3 dielectric ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 1077-1086.	2.2	14
26	Investigation of Microwave Absorptive Behavior of La-Na Substituted M-Type Co-Zr Barium Hexaferrites in X-Band. Journal of Superconductivity and Novel Magnetism, 2016, 29, 2881-2886.	1.8	13
27	Structural, dielectric and magnetic properties of (Pb1â^'Ca)(Fe0.5Nb0.5)O3 solid solution ceramics. Journal of Magnetism and Magnetic Materials, 2016, 407, 195-200.	2.3	12
28	Tuning of microwave absorptive behavior of double substituted barium hexaferrites with change in thickness in 26.5â€“40.0ÂGHz band. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	12
29	Modulation of electromagnetic and absorption properties in 18â€“26.5ÂGHz frequency range of strontium hexaferrites with doping of cobaltâ€“zirconium. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	11
30	Effect of temperature on dielectric and electrical properties of Coâ€“Zr doped barium hexaferrites prepared by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 11220-11230.	2.2	10
31	Dielectric and microwave reflection properties of M-phase LNT (Li-Nb-Ti-O) solid solutions in X-band frequency range. Journal of Alloys and Compounds, 2019, 784, 668-675.	5.5	10
32	Structural, magnetic, dielectric, microwave absorption, and optical characterization of $${ext{Ni}}_{0.1} {ext{Co}}_{0.9} left({ext{MnZr}} ight)_{x} {ext{Fe}}_{2 - 2x} {ext{O}}_{4}/{ext{Ba}}_{y} {ext{Sr}}_{1 - y} {ext{Fe}}_{12} {ext{O}}_{19}$$ nanocomposites. Journal of Materials Science: Materials in Electronics, 2020, 31, 599-609.	2.2	10
33	Influence of the pore shape and dimension on the enhancement of thermoelectric performance of graphene nanoribbons. Journal of Materials Research, 2017, 32, 1149-1159.	2.6	9
34	Frequency and Temperature Dependence of Dielectric and Electrical Properties of Sn-Doped Lead Calcium Iron Niobate. Journal of Electronic Materials, 2016, 45, 959-969.	2.2	8
35	Optimization of Performance Parameters of Doped Ferrite-Based Microwave Absorbers: Their Structural, Tunable Reflection Loss, Bandwidth, and Input Impedance Characteristics. IEEE Transactions on Magnetics, 2021, 57, 1-19.	2.1	8
36	Complex permittivity, permeability and microwave absorbing properties of Coâ€“Ti substituted strontium hexaferrite. Materials Science-Poland, 2016, 34, 19-24.	1.0	7

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37	Dielectric and optical study of the M-phase LNT (Li-Nb-Ti-O) solid solutions. Materials Research Bulletin, 2017, 88, 200-205.	5.2	7
38	Effect of Substitution of Samarium and Lanthanum on Dielectric and Electrical Properties of Barium Titanate. Ferroelectrics, 2015, 486, 74-85.	0.6	6
39	Synthesis and characterization of Ba6â^'3xSm8+2xTi18O54 microwave dielectric ceramics. Ceramics International, 2007, 33, 249-253.	4.8	5
40	Microwave dielectric properties of pure and Zr⁴⁺ doped lead calcium iron niobate substrates for microwave devices and antenna applications. Microwave and Optical Technology Letters, 2015, 57, 2152-2155.	1.4	5
41	Structural, dielectric and electrical analysis of Ba2â^'xLa4â€‰+â€‰2x/3Ti8O24ceramics system with frequency and temperature. Microwave and Optical Technology Letters, 2016, 58, 1679-1686.	1.4	5
42	Energy harvesting using piezoelectric materials. Integrated Ferroelectrics, 2016, 176, 268-274.	0.7	5
43	Effect of precursors on dielectric properties of Co-Zr doped strontium hexaferrites in 20ÂHz â€“ 120ÂMHz frequency range. Ferroelectrics, 2016, 505, 67-73.	0.6	5
44	X-Band Microwave Reflection Properties of Samarium/Bismuth-Substituted Barium Lanthanum Titanate Ceramics. Journal of Electronic Materials, 2017, 46, 1770-1776.	2.2	5
45	Comparison of Ku (12.4â€“18 GHz) and K (18â€“26.5 GHz) Band Microwave Absorption Characterization of Co-Zr Co-substituted Ni-Zn Ferrites. Journal of Electronic Materials, 2021, 50, 5338-5347.	2.2	5
46	Modeling and Simulation of Efficient March Algorithm for Memory Testing. Communications in Computer and Information Science, 2010, , 96-107.	0.5	5
47	Influence of Zr substitution on structural, dielectric and magnetic behavior of lead calcium iron niobate. Journal of Materials Science: Materials in Electronics, 2016, 27, 738-743.	2.2	4
48	Structural and dielectric properties of Li 1â€‰+â€‰x Ta 1â^'x Ti x O 3 M-phase solid solutions. Journal of Materials Science: Materials in Electronics, 2017, 28, 9688-9696.	2.2	4
49	Area Overhead and Power Analysis of March Algorithms for Memory BIST. Procedia Engineering, 2012, 30, 930-936.	1.2	3
50	Dielectric properties of Sn-substituted lead calcium iron niobate. Journal of Materials Science: Materials in Electronics, 2016, 27, 3653-3657.	2.2	3
51	X-Band Microwave Absorption in NdÂ³âº-Substituted Mgâ€“Cd Spinel Ferrites Synthesized Under Microwave Sintering. IEEE Transactions on Magnetics, 2020, 56, 1-7.	2.1	3
52	Studies on Exchange-Coupled Magnetodielectric Ceramics for Microwave Absorption in K_u-Band. IEEE Transactions on Magnetics, 2021, 57, 1-7.	2.1	3
53	Influence of Sn substitution on microwave properties of lead calcium iron niobate. Journal of Materials Science: Materials in Electronics, 2017, 28, 100-104.	2.2	2
54	Tunable Thermoelectric Performance in Porous Armchair Graphene Nanoribbons as a Function of Strain, Pore Morphology and Temperature. Journal of Electronic Materials, 2018, 47, 6467-6475.	2.2	2

#	Article	IF	Citations
55	Fabrication and microwave absorption properties of hexaferrite composites in Ku-band. , 2015, , .		1
56	Managing Availability of web services in service oriented systems. , 2015, , .		1
57	Variation of Dielectric and Electrical Properties of Zr-Substituted Lead Calcium Iron Niobate with Temperature and Frequency. Journal of Electronic Materials, 2016, 45, 5048-5057.	2.2	1
58	Structural, dielectric, reflection and optical characteristics of the rare-earth (Yb, Er, Dy and Eu) substituted M-phase Li1+x-yNb1-x-3yTix+4yO3 solid solutions. Journal of Alloys and Compounds, 2020, 825, 153979.	5.5	1
59	Drain Current and Thermal Analysis of AlGaN/GaN High Electron Mobility Transistor for MMIC Design. Journal of Computational and Theoretical Nanoscience, 2012, 9, 763-768.	0.4	0
60	Analysis of Cellular Automata and Genetic Algorithm based Test Pattern Generators for Built In Self Test. Advances in Intelligent Systems and Computing, 2013, , 429-439.	0.6	0
61	Thermoelectric and electrical properties of Ba0.5Sr0.5Co x Ru x Fe(12â^'2x)O19 ferrite*. European Physical Journal B, 2016, 89, 1.	1.5	0
62	To investigate the relation between pore size and twist angle in enhanced thermoelectric efficient porous armchair graphene nanoribbons. Materials Research Express, 2018, 5, 055023.	1.6	0
63	Strain dependence of the thermoelectric performance of porous armchair silicene nanoribbons. Journal of Materials Research, 2019, 34, 3946-3953.	2.6	0
64	HEMT for RF Circuits. Advances in Computer and Electrical Engineering Book Series, 2015, , 399-418.	0.3	0
65	Design and Performance Analysis of High Electron Mobility Transistor Based Static Random Access Memory Cell for High Frequency Applications. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 627-632.	0.5	0
66	A Proactive Solution to Manage Web Service Unavailability in Service Oriented Software Systems. Lecture Notes in Computer Science, 2016, , 243-254.	1.3	0