

# Manoj K Singh

## List of Publications by Citations

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48  
papers

1,493  
citations

17  
h-index

38  
g-index

54  
ext. papers

1,621  
ext. citations

2.4  
avg, IF

4.29  
L-index

#	Paper	IF	Citations
48	Polarized Raman scattering of multiferroic BiFeO <sub>3</sub> epitaxial films with rhombohedral R3c symmetry. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 042907	3.4	332
47	Spin-glass transition in single-crystal BiFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	252
46	Polarized Raman scattering of multiferroic BiFeO <sub>3</sub> thin films with pseudo-tetragonal symmetry. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	197
45	New magnetic phase transitions in BiFeO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 252203	1.8	113
44	Polarized Raman scattering and lattice eigenmodes of antiferromagnetic NdFeO <sub>3</sub> . <i>Journal of Raman Spectroscopy</i> , <b>2008</b> , 39, 842-848	2.3	64
43	The Almeida-Thouless line in BiFeO(3): is bismuth ferrite a mean field spin glass?. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 042202	1.8	60
42	Structural and magnetic properties of (In <sub>1-x</sub> Fe <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> (0.0 ≤ x ≤ 0.25) system: Prepared by gel combustion method. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 052504	3.4	55
41	Lattice dynamic investigation of Raman and infrared wavenumbers at the zone center of orthorhombic RFeO <sub>3</sub> (R = Tb, Dy, Ho, Er, Tm) perovskites. <i>Journal of Raman Spectroscopy</i> , <b>2002</b> , 33, 67-70	2.3	53
40	Critical phenomena at the 140 and 200 K magnetic phase transitions in BiFeO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 322203	1.8	44
39	New Phase Transitions in Perovskite Oxides: BiFeO <sub>3</sub> , SrSnO <sub>3</sub> , and Pb(Fe <sub>2/3</sub> W <sub>1/3</sub> ) <sub>1/2</sub> Ti <sub>1/2</sub> O <sub>3</sub> . <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 1762-1768	3.8	35
38	Structural and Electrochemical Characterization of Pure LiFePO <sub>4</sub> and Nanocomposite C-LiFePO <sub>4</sub> Cathodes for Lithium Ion Rechargeable Batteries. <i>Journal of Nanotechnology</i> , <b>2009</b> , 2009, 1-10	3.5	27
37	Microwave dielectric and Raman scattering studies on bismuth zinc niobate thin films. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 104104	2.5	24
36	Phonon anomalies near the magnetic phase transitions in BiFeO <sub>3</sub> thin films with rhombohedral R3c symmetry. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07D916	2.5	23
35	Raman scattering measurements of phonon anharmonicity in CuAlO <sub>2</sub> thin films. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 113503	2.5	21
34	New cryogenic phase transitions in SrSnO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2010</b> , 22, 095901	1.8	20
33	Anomalous magnetic ordering induced spin-phonon coupling in BiFeO <sub>3</sub> thin films. <i>Solid State Communications</i> , <b>2009</b> , 149, 1971-1973	1.6	17
32	New phase transitions in ceramic SrSnO <sub>3</sub> : Raman scattering analysis and differential thermal analysis. <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 055210	1.8	17

31	One-magnon light scattering and spin-reorientation transition in epitaxial BiFeO <sub>3</sub> thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2009</b> , 321, 1706-1709	2.8	14
30	Critical slowing down of spin fluctuations in BiFeO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , <b>2008</b> , 20, 425223		14
29	High-temperature phase transitions in SrHfO <sub>3</sub> : A Raman scattering study. <i>Europhysics Letters</i> , <b>2014</b> , 107, 26004	1.6	11
28	A lattice dynamical investigation of the zone center frequencies of the orthorhombic NdGaO <sub>3</sub> perovskite. <i>Journal of Physics and Chemistry of Solids</i> , <b>2001</b> , 62, 1003-1006	3.9	11
27	A lattice dynamical investigation of Raman and infrared wavenumbers at the zone center of the orthorhombic NdNiO <sub>3</sub> perovskite. <i>Journal of Physics and Chemistry of Solids</i> , <b>2003</b> , 64, 531-533	3.9	10
26	Investigation of fractal feature of multiferroic BiFeO <sub>3</sub> thin films deposited on different substrates. <i>Materials Research Express</i> , <b>2018</b> , 5, 126405	1.7	9
25	Ni and Ni/Pt filling inside multiwalled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2003</b> , 3, 165-70	1.3	8
24	The effect of an oxygen atmosphere on the microwave dielectric properties of thin films. <i>Solid State Communications</i> , <b>2010</b> , 150, 1928-1931	1.6	7
23	Rietveld refinement, optical, dielectric and ac conductivity studies of Ba-doped SrSnO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 16838-16848	2.1	7
22	Magneto-dielectric and multiferroic properties in Bi <sub>0.95</sub> Yb <sub>0.05</sub> Fe <sub>0.95</sub> Co <sub>0.05</sub> O <sub>3</sub> . <i>Physica Scripta</i> , <b>2019</b> , 94, 065802	2.6	6
21	Dielectric, magnetic and magneto-dielectric properties of (La, Co) co-doped BiFeO <sub>3</sub> . <i>Physica Scripta</i> , <b>2019</b> , 94, 125805	2.6	6
20	Synthesis, Structural and Magnetic Properties of Ni-Doped In <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>Integrated Ferroelectrics</i> , <b>2011</b> , 125, 155-161	0.8	6
19	Surface Plasmon Resonance Sensogram Based Characterization of Antibodies Raised Against Intact Teliospores and Purified Diagnostic Antigen for Development of Nano-Immunosensor for Fungal Spore Antigen of Karnal Bunt ( <i>Tilletia indica</i> ) of Wheat. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , <b>2013</b> , 83, 551-560	1.4	5
18	Development of a Diatom-Based Photoluminescent Immunosensor for the Early Detection of Karnal Bunt Disease of Wheat Crop. <i>ACS Omega</i> , <b>2020</b> , 5, 8251-8257	3.9	4
17	Structural, microstructure, optical, and electrical properties of Ti-doped CaSnO <sub>3</sub> prepared by Sol-Gel chemical route. <i>Physica Scripta</i> , <b>2020</b> , 95, 105807	2.6	4
16	Microwave and optical properties of monoclinic Bi <sub>2</sub> Zn <sub>2</sub> /3Nb <sub>4</sub> /3O <sub>7</sub> thin films. <i>EPJ Applied Physics</i> , <b>2012</b> , 58, 10303	1.1	3
15	Multiferroics properties in BiFeO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> heterostructures thin films deposited on (111) SrTiO <sub>3</sub> <b>2016</b> ,		3
14	Anomalous Enhancement in Magnetization of BiFeO <sub>3</sub> [CoFe <sub>2</sub> O <sub>4</sub> Heterostructure Multilayer Thin Films Deposited on SrTiO <sub>3</sub> with Different Orientation. <i>Integrated Ferroelectrics</i> , <b>2011</b> , 124, 73-78	0.8	2

13	Growth of (100) oriented diamond grains by the application of lateral temperature gradients across silicon substrates. <i>Journal of Materials Research</i> , <b>2004</b> , 19, 3206-3213	2.5	2
12	Synthesis and characterization of [BaO-(10-x)ZrO <sub>2</sub> -TiO <sub>2</sub> -SiO <sub>2</sub> -xCrO <sub>3</sub> ] type glass and glass ceramics. <i>Journal of Asian Ceramic Societies</i> , <b>2020</b> , 8, 1108-1126	2.4	2
11	Raman spectra and dielectric studies in Ti substituted Bi <sub>2</sub> (Zn <sub>2</sub> /3Nb <sub>4</sub> /3)O <sub>7</sub> pyrochlores <b>2016</b> ,		1
10	Anomalous magnetic ordering transition and induced Raman scattering in BiFeO <sub>3</sub> thin films. <i>Materials Research Society Symposia Proceedings</i> , <b>2007</b> , 1034, 30		1
9	Zone center wavenumbers of tetragonal AGa <sub>2</sub> X <sub>4</sub> (A = Cd, Zn; X = S, Se). <i>Journal of Raman Spectroscopy</i> , <b>2004</b> , 35, 78-81	2.3	1
8	Zone center wavenumbers of tetragonal CdAl <sub>2</sub> S <sub>4</sub> and CdAl <sub>2</sub> Se <sub>4</sub> . <i>Journal of Raman Spectroscopy</i> , <b>2000</b> , 31, 949-950	2.3	1
7	Zone Center Frequencies of Tetragonal CdAl <sub>2</sub> Se <sub>4</sub> . <i>Journal of Solid State Chemistry</i> , <b>2000</b> , 153, 317-320	3.3	1
6	Synthesis, structural, Raman scattering and magnetic properties of Fe -doped HfO <sub>2</sub> nanoparticles. <i>Materials Research Express</i> , <b>2019</b> , 6, 096117	1.7	0
5	Multiferroic, optical and magneto-dielectric properties with enhanced magneto-impedance characteristic of KBiFe <sub>2</sub> O <sub>5</sub> . <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 893, 162225	5.7	0
4	Structural, dielectric, magnetic and magneto-dielectric properties of (1-x)BiFeO <sub>3</sub> (x)CaTiO <sub>3</sub> composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18012-18027	2.1	0
3	Effect of Nd doping on structural, dielectric, magnetic and ferroelectric properties of 0.8BiFeO <sub>3</sub> 0.2PbTiO <sub>3</sub> solid solution. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 905, 164228	5.7	0
2	Temperature-dependent electrical and magneto-dielectric properties of 0.7Bi <sub>0.99</sub> Nd <sub>0.01</sub> Fe <sub>0.99</sub> (Co, Ti) <sub>0.01</sub> O <sub>3</sub> -0.3CaTiO <sub>3</sub> composite. <i>Ferroelectrics</i> , <b>2022</b> , 589, 235-242	0.6	0
1	Synthesis and Characterization on Fe-doped In <sub>2</sub> O <sub>3</sub> Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , <b>2008</b> , 1074, 1		