

Ghulam Murtaza

List of Publications by Year in descending order

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142
papers

3,586
citations

109321

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189892

50
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146
all docs

146
docs citations

146
times ranked

2552
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced graphene oxide containing barium hexaferrite composites for high frequency microwave absorption. Bulletin of Materials Science, 2022, 45, 1.	1.7	3
2	Ab-initio calculation of electronic, mechanical, optical and phonon properties of ZrX_3 (X = Ti, Zr, Hf) compounds. Modern Physics B, 2022, 36, .	2.0	5
3	Theoretical study of electronic, magnetic, optical and thermoelectric properties of $XMnO_2$ (X=Au, Ag). Journal of Materials Science: Materials Electronics, 2021, 52, 115.	2.9	15
4	First-Principles Simulation of Structural, Electronic and Optical Properties of Cerium Trisulfide (Ce_2S_3) Compound. Journal of Electronic Materials, 2021, 50, 1637-1643.	2.2	9
5	Structural, dielectric and magnetic manifestation in BaM/PEEK nanocomposite for X band shielding blocks. Ceramics International, 2021, 47, 4551-4562.	4.8	13
6	An investigation of structural, elastic, mechanical, electronic, magnetic and thermoelectric properties of ferromagnetic half metallic $EuCrO_3$. Materials Science in Semiconductor Processing, 2021, 122, 105487.	4.0	12
7	Structural, vibrational, mechanical, and optoelectronic properties of $LiBH_4$ for hydrogen storage and optoelectronic devices: First-principles study. International Journal of Quantum Chemistry, 2021, 121, e26444.	2.0	8
8	Study of Optoelectronic and Thermoelectric Characteristics of Cesium Based Halides $CsYbX_3$ (X = Br, Cl) for Clean Energy Harvesting. ECS Journal of Solid State Science and Technology, 2021, 10, 015002.	1.8	5
9	MPPT of Permanent Magnet Synchronous Generator in Tidal Energy Systems Using Support Vector Regression. Sustainability, 2021, 13, 2223.	3.2	10
10	Effect of Cu Ions Implantation on Structural, Electronic, Optical and Dielectric Properties of Polymethyl Methacrylate (PMMA). Polymers, 2021, 13, 973.	4.5	7
11	Spin-based transport properties of Cs_2WX_6 (X=Cl, Br) ferromagnets for spin-injected thermoelectric current. European Physical Journal Plus, 2021, 136, 1.	2.6	12
12	Study of half metallic ferromagnetism, transport and mechanical properties of $X_{0.9375}Ti_{0.0625}Te$ (X=Ca, Sr, and Ba) alloys: for spintronics application. Physica Scripta, 2021, 96, 095802.	2.5	7
13	On the Characteristics of Magnetosonic Waves in a Spin-Polarized Degenerate Electron-Positron Ion Plasma. IEEE Transactions on Plasma Science, 2021, 49, 2063-2069.	1.3	3
14	Effect of Y ions incorporation on structural, morphological and magnetic properties of $Bi_{1-x}Dy_xFeO_3$ for ferromagnetic applications. Bulletin of Materials Science, 2021, 44, 1.	1.7	1
15	Structural, Magnetic, and Dielectric Properties of Sn-Doped $BiFeO_3$: Experiment and DFT Analysis. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2179-2188.	1.8	2
16	Systematic investigation of magnetic, optical and transport properties of RTX (R = Rare earth, T = 3d/4d) compounds. Journal of Materials Science: Materials Electronics, 2021, 52, 2150212.	2.0	0
17	Study of optoelectronic and thermoelectric properties of double perovskites for renewable energy. Physica Scripta, 2021, 96, 125828.	2.5	12
18	First principle study of half metallic ferromagnetism and transport properties of spinel $ZnFe_2(S/Se)_4$ for spintronic. Physica Scripta, 2021, 96, 125816.	2.5	10

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19	Tailoring of band gap to tune the optical and thermoelectric properties of Sr _{1-x} BaxSnO ₃ stannates for clean energy; probed by DFT. <i>Chemical Physics</i> , 2021, 551, 111322.	1.9	12
20	First principle study of optoelectronic and thermoelectric properties of magnesium based MgX ₂ O ₄ (X = Ti, Zr, Hf, Sn, Pb). <i>Optik</i> , 2021, 218, 102100.	2.9	14
21	Pressure induced structural, electronic, optical and thermal properties of CsYbBr ₃ , a theoretical investigation. <i>Journal of Materials Research and Technology</i> , 2021, 10, 687-696.	5.8	13
22	Charged particles energization during magnetic reconnection in the Earth's magnetosphere by double layers: an analytical approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3703-3708.	4.4	1
23	First-principles investigation of structural, electronic, optical and thermal properties of Zinc doped SrTiO ₃ . <i>Optik</i> , 2020, 201, 163481.	2.9	26
24	Ab-initio prediction of structure stability, electromagnetic, optical and thermoelectric behavior of orthorhombic LaXO ₃ (X= Cr, Mn, Fe): For device application. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 94, 107482.	2.4	13
25	Structural, dielectric and magnetic properties of (ZnFe ₂ O ₄ /Polystyrene) nanocomposites synthesized by micro-emulsion technique. <i>Ceramics International</i> , 2020, 46, 5920-5928.	4.8	20
26	Liquid Metal Antennas: Materials, Fabrication and Applications. <i>Sensors</i> , 2020, 20, 177.	3.8	57
27	The structural, electronic and dynamical investigations of NdMn ₂ O ₅ and La ₂ CoMnO ₆ for optoelectronic applications: A first principles study. <i>Optik</i> , 2020, 204, 164165.	2.9	11
28	Energy penetrated and inverse bremsstrahlung absorption co-efficient in laser ablated germanium plasma. <i>Journal of Molecular Structure</i> , 2020, 1203, 127412.	3.6	7
29	A theoretical study of the structural, thermoelectric, and spin-orbit coupling influenced optoelectronic properties of CsTmCl ₃ halide perovskite. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26141.	2.0	31
30	Solar coronal heating by Alfvén waves in bi-kappa distributed plasma. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2403-2412.	4.4	4
31	A Sensorless Wind Speed and Rotor Position Control of PMSG in Wind Power Generation Systems. <i>Sustainability</i> , 2020, 12, 8481.	3.2	10
32	Study of half metallic nature and transport properties of XMnSe ₂ (X = Ca, Sr and Ba) compounds via ab-initio calculations. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10511-10519.	5.8	20
33	Structural, electronic, optoelectronic and transport properties of LuZnCuAs ₂ compound: First principle calculations under DFT. <i>Physica B: Condensed Matter</i> , 2020, 596, 412351.	2.7	10
34	First-principle investigation of X ₃ SrH ₃ (X = K and Rb) perovskite-type hydrides for hydrogen storage. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26419.	2.0	36
35	Optoelectronic and thermal properties of cubic SiMO ₃ (M = Sn, Pb) oxides for device application: a first principle study. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	3
36	Theoretical investigation of the structural stabilities, optoelectronic and thermoelectric properties of ternary alloys NaInY ₂ (Y = S, Se and Te) through modified Becke-Johnson exchange potential. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050133.	2.0	7

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37	Probing the structural, electronic, mechanical strength and optical properties of tantalum-based oxide perovskites ATaO ₃ (A = Rb, Fr) for optoelectronic applications: First-principles investigations. <i>Optik</i> , 2020, 219, 165027.	2.9	16
38	Ab initio study for the structural, electronic, magnetic, optical, and thermoelectric properties of K_2OsX_6 (X = Cl, Br) compounds. <i>International Journal of Energy Research</i> , 2020, 44, 9035-9049.	4.5	36
39	A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System. <i>Electronics (Switzerland)</i> , 2020, 9, 430.	3.1	9
40	Synthesis of sericin-conjugated silver nanoparticles and their potential antimicrobial activity. <i>Journal of Basic Microbiology</i> , 2020, 60, 458-467.	3.3	29
41	The investigation of optoelectronic, magnetic and dynamical properties of Ce and Ti doped 2D blue phosphorene: A dispersion corrected DFT study. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154255.	5.5	28
42	Ab initio study of electronic, optical and thermoelectric character of intermetallic compounds XGa ₃ (X = Fe, Ru, Os). <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	1
43	Probing the electronic structure and magnetism in Ni doped ZnTe: A DFT modeling and experiment. <i>Journal of Alloys and Compounds</i> , 2020, 834, 155176.	5.5	15
44	Theoretical investigations of optoelectronic and thermoelectric properties of the XIn ₂ O ₄ (X = Mg, Zn). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	4.6	22
45	The Theoretical Investigation of Electronic, Magnetic, and Thermoelectric Behavior of LiZ ₂ O ₄ (Z = Mn). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T</i> <i>Magnetism</i> , 2019, 32, 1231-1239.	1.8	12
46	Comparative study of polytype 2H-MoS ₂ and 3R-MoS ₂ systems by employing DFT. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 106, 338-345.	2.7	30
47	Design of State Feedback Current Controller for Fast Synchronization of DFIG in Wind Power Generation Systems. <i>Energies</i> , 2019, 12, 2427.	3.1	25
48	Laser induced breakdown optical emission spectroscopic study of silicon plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117374.	3.9	6
49	First principle study of structural, electronic, optical, and transport properties of ternary compounds NaGaX ₂ (X = S, Se, and Te) in tetragonal chalcopyrite phase. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	3.3	20
50	Optimum Resilient Operation and Control DC Microgrid Based Electric Vehicles Charging Station Powered by Renewable Energy Sources. <i>Energies</i> , 2019, 12, 4240.	3.1	40
51	MICRO-EMULSION METHOD FOR THE SYNTHESIS AND CHARACTERIZATION OF La, Mn-DOPED Ba ₃ Co ₂ Fe ₂₄ O ₄₁ Z-TYPE HEXA-NANOFERRITES. <i>Surface Review and Letters</i> , 2019, 26, 1950065.	1.1	2
52	Structural, electronic, magnetic, optical and thermoelectric response of half-metallic AMnTe ₂ (A = Li). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	2.9	16
53	Optoelectronic and thermal properties of LiXH ₃ (X = Ba, Sr and Cs) for hydrogen storage materials: A first principle study. <i>Solid State Communications</i> , 2019, 299, 113659.	1.9	42
54	The wound healing and antibacterial potential of triple-component nanocomposite (chitosan-silver-sericin) films loaded with moxifloxacin. <i>International Journal of Pharmaceutics</i> , 2019, 564, 22-38.	5.2	85

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55	A Novel Ag ₂ O/Fe-TiO ₂ Photocatalyst for CO ₂ Conversion into Methane Under Visible Light. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1288-1296.	3.7	21
56	Structural, Optical, Dielectric, and Magnetic Characteristics of Nd Ions Substituted BaFe ₁₁ (Sn _{0.5} Mg _{0.5}) ₁₉ M-Type Hexaferrite via Co-precipitation. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3273-3284.	1.8	3
57	Optoelectronic and thermoelectric behavior of XIn ₂ Te ₄ (X = Mg, Zn and Cd) for energy harvesting application; DFT approach. Physica Scripta, 2019, 94, 125709.	2.5	17
58	Facile Microemulsion Synthesis of Vanadium-Doped ZnO Nanoparticles to Analyze the Compositional, Optical, and Electronic Properties. Materials, 2019, 12, 821.	2.9	19
59	An ab initio study of spectroscopic and thermodynamic characteristics of MgH ₂ and TiC systems. International Journal of Hydrogen Energy, 2019, 44, 6756-6762.	7.1	8
60	Magnetic and optical properties of Gd-Tl substituted M-type barium hexaferrites synthesized by co-precipitation technique. Current Applied Physics, 2019, 19, 506-515.	2.4	25
61	ab initio study of the exo-hydrogenated single wall carbon nanotubes. Physica B: Condensed Matter, 2019, 552, 124-129.	2.7	3
62	First principle study of electronic, mechanical, optical and thermoelectric properties of CsMO ₃ (M=) Tj ETQq0 0 0 rgBT /Overlock 10 Tff 19-26.	2.4	45
63	Salp Swarm Optimization Algorithm-Based Fractional Order PID Controller for Dynamic Response and Stability Enhancement of an Automatic Voltage Regulator System. Electronics (Switzerland), 2019, 8, 1472.	3.1	75
64	Synthesis, characterisation and photocatalytic performance of ZnS coupled Ag ₂ S nanoparticles: A remediation model for environmental pollutants. Arabian Journal of Chemistry, 2018, 11, 827-837.	4.9	28
65	Structural, optical, and photocatalytic properties of Cd ¹⁺ xS:Lax nanoparticles for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	6
66	Half metallic ferromagnetism in PrMnO ₃ orthorhombic stable phase: an experimental and theoretical investigation. Materials Research Express, 2018, 5, 116103.	1.6	5
67	Effect of La-doping on the structural, morphological and electrochemical properties of LiCo ₂ nanoparticles using Sol-Gel technique. Materials Research Express, 2018, 5, 055044.	1.6	11
68	Ab-initio study of Li based chalcopyrite compounds LiGaX ₂ (X= S, Se, Te) in tetragonal symmetry: A class of future materials for optoelectronic applications. Current Applied Physics, 2018, 18, 1113-1121.	2.4	20
69	On the upper hybrid wave instability in a spin polarized degenerate plasma. Physics of Plasmas, 2018, 25, .	1.9	12
70	Structural, surface morphology, dielectric and magnetic properties of holmium doped BiFeO ₃ thin films prepared by pulsed laser deposition. Thin Solid Films, 2018, 662, 83-89.	1.8	27
71	Synthesis and characterizations of Al-Sm substituted Ba-Sr M-type hexagonal ferrite nanoparticles via sol-gel route. Ceramics International, 2018, 44, 18678-18685.	4.8	47
72	Effect of co-doping of Fe and Gd on the structural, morphological and dielectric properties of LaMnO ₃ nanocrystallites using Sol-Gel technique. Materials Research Express, 2018, 5, 075018.	1.6	10

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73	Structural, Magnetic and Microwave Properties of Gadolinium-Substituted Ca-Ba M-Type Hexagonal Ferrites. <i>Journal of Electronic Materials</i> , 2018, 47, 5370-5377.	2.2	17
74	Structural and morphological properties of $Zn_{1-x}Zr_xO$ with room-temperature ferromagnetism and fabricated by using the co-precipitation technique. <i>Journal of the Korean Physical Society</i> , 2017, 70, 460-464.	0.7	3
75	Dielectric and impedance study of praseodymium substituted Mg-based spinel ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 434, 143-150.	2.3	69
76	The role of praseodymium substituted ions on electrical and magnetic properties of Mg spinel ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 428, 136-143.	2.3	67
77	Improved cell viability and hydroxyapatite growth on nitrogen ion-implanted surfaces. <i>Radiation Effects and Defects in Solids</i> , 2017, 172, 590-599.	1.2	1
78	Structural, magnetic, dielectric and bonding properties of $BiMnO_3$ grown by co-precipitation technique. <i>Results in Physics</i> , 2017, 7, 3190-3195.	4.1	20
79	Effect of La on structural and photocatalytic activity of SnO_2 nanoparticles under UV irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3844-3851.	6.7	16
80	First principles investigations of electronics, magnetic, and thermoelectric properties of rare earth based $PrYO_3$ (Y=Cr, V) perovskites. <i>Current Applied Physics</i> , 2017, 17, 1539-1546.	2.4	93
81	Improved electrical, magnetic and dielectric properties of polypyrrol (PPy) substituted spinel ferrite composites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 313-317.	2.7	12
82	Magnetic and High-Frequency Dielectric Parameters of Divalent Ion-Substituted W-Type Hexagonal Ferrites. <i>Journal of Electronic Materials</i> , 2017, 46, 903-910.	2.2	14
83	Evaluation of structural, morphological and magnetic properties of $CuZnNi$ ($Cu_{0.5}Zn_{0.5}Ni_{0.5}Fe_2O_4$) nanocrystalline ferrites for core, switching and MLIC applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 421, 260-268.	2.3	113
84	Structural, spectral, dielectric and magnetic properties of Tb^{3+}/Dy^{3+} doped Li-Ni nano-ferrites synthesized via micro-emulsion route. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 419, 338-344.	2.3	77
85	Effects of Pr-contents on the structural, magnetic and high frequency parameters of M-type hexagonal ferrites synthesized by sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6193-6201.	2.2	7
86	First Principles Investigation of the Elastic, Optoelectronic and Thermal Properties of $XRuSb$: ($X=Al, V$) <i>Tj ETQqO O 0 rgBT /Overlock 10 T</i> 2016, 45, 3479-3490.	2.2	46
87	Investigating the effect of Cd-Mn co-doped nano-sized $BiFeO_3$ on its physical properties. <i>Results in Physics</i> , 2016, 6, 675-682.	4.1	11
88	Investigation of the Role of Ce^{3+} Substituted Ions on Dielectric Properties of Co-Cr Ferrites Prepared by Co-precipitation Method. <i>Journal of Electronic Materials</i> , 2016, 45, 5830-5838.	2.2	6
89	Synthesis and characterization of Zr and Mg doped $BiFeO_3$ nanocrystalline multiferroics via micro emulsion route. <i>Journal of Alloys and Compounds</i> , 2016, 667, 329-340.	5.5	43
90	Structural elucidation and magnetic behavior evaluation of rare earth (La, Nd, Gd, Tb, Dy) doped $BaCoNi-X$ hexagonal nano-sized ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 408, 147-151.	2.3	56

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91	The study of electronic, elastic, magnetic and optical response of Zn _{1-x} Ti _x Y (Y = S, Se) through mBJ potential. Current Applied Physics, 2016, 16, 549-561.	2.4	27
92	Structural, magnetic and dielectric properties of terbium doped NiCoX strontium hexagonal nano-ferrites synthesized via micro-emulsion route. Ceramics International, 2016, 42, 9079-9085.	4.8	39
93	First principles study of structural, optoelectronic and thermoelectric properties of Cu ₂ CdSnX ₄ (X = Tl, Pb, Bi, Sb, As, Sn, Te, Se, S). Journal of Magnetism and Magnetic Materials, 2015, 378, 41-49.	5.2	22
94	First principle study of vanadium doped ZnS: Structural, electronic, elastic, magnetic and optical properties using mBJ approximation. Current Applied Physics, 2016, 16, 361-370.	2.4	36
95	Structural and magnetic properties of yttrium iron garnet (YIG) and yttrium aluminum iron garnet (YAIG) nanoferrites prepared by microemulsion method. Journal of Magnetism and Magnetic Materials, 2016, 401, 425-431.	2.3	80
96	Electrical Behavior of Tb-Mn Substituted Y-Type Hexa-ferrites for High-Frequency Applications. Journal of Electronic Materials, 2015, 44, 1054-1061.	2.2	5
97	Study of the Zn _{0.75} M _{0.25} Te (M = Fe, Co, Ni) diluted magnetic semiconductor system by first principles approach. Materials Chemistry and Physics, 2015, 162, 831-838.	4.0	40
98	Impacts of Tb substitution at cobalt site on structural, morphological and magnetic properties of cobalt ferrites synthesized via double sintering method. Ceramics International, 2015, 41, 2286-2293.	4.8	32
99	First-principles calculations of a half-metallic ferromagnet zinc blende Zn _{1-x} V _x Te. Journal of Magnetism and Magnetic Materials, 2015, 378, 41-49.	2.3	40
100	Structural and magnetic behavior evaluation of Mg ²⁺ /Tb ferrite/polypyrrole nanocomposites. Ceramics International, 2015, 41, 651-656.	4.8	20
101	Spin-polarized structural, elastic, electronic and magnetic properties of half-metallic ferromagnetism in V-doped ZnSe. Journal of Magnetism and Magnetic Materials, 2015, 374, 50-60.	2.3	29
102	Structural and magnetic behavior of Pr-substituted M-type hexagonal ferrites synthesized by sol-gel autocombustion for a variety of applications. Journal of Magnetism and Magnetic Materials, 2015, 374, 187-191.	2.3	88
103	Investigations of the half-metallic behavior and the magnetic and thermodynamic properties of half-Heusler CoMnTe and RuMnTe compounds: A first-principles study. Chinese Physics B, 2014, 23, 087103.	1.4	28
104	Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ nanoparticulates spinel ferrites: An approach to enhance the antenna field strength for improved magnitude versus offset (MVO). Progress in Natural Science: Materials International, 2014, 24, 364-372.	4.4	10
105	Theoretical investigation of band gap and optical properties of ZnO _{1-x} Te _x alloys (x = 0, 0.25, 0.5, 0.75). Journal of Magnetism and Magnetic Materials, 2015, 378, 41-49.	3.0	25
106	Magnetic, ferromagnetic resonance and electrical transport study of Ni _{1-x} TbxFe ₂ O ₄ spinel ferrites. Ceramics International, 2014, 40, 3571-3577.	4.8	58
107	Structural and magnetic properties of Nd ³⁺ /Mn substituted Y-type hexaferrites synthesized by microemulsion method. Journal of Alloys and Compounds, 2014, 602, 122-129.	5.5	35
108	Influence of Cd substitution on structural, electrical and magnetic properties of M-type barium hexaferrites co-precipitated nanomaterials. Journal of Alloys and Compounds, 2014, 584, 646-651.	5.5	50

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109	Structural and magnetic studies on Zr doped ZnO diluted magnetic semiconductor. Current Applied Physics, 2014, 14, 176-181.	2.4	68
110	Electronic, optical and bonding properties of MgYZ ₂ (Y=Si, Ge; Z=N, P) chalcopyrites from first principles. Materials Science in Semiconductor Processing, 2014, 26, 79-86.	4.0	34
111	Structural, morphological, dielectric and magnetic characterizations of Ni _{0.6} Cu _{0.2} Zn _{0.2} Fe ₂ O ₄ (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. Ceramics International, 2014, 40, 15821-15829.	4.8	46
112	Role of grain boundaries in the conduction of Eu ²⁺ -Ni substituted Y-type hexaferrites. Journal of Magnetism and Magnetic Materials, 2014, 362, 115-121.	2.3	61
113	Electronic and Optic Properties of Cubic Spinel CdX ₂ O ₄ (X=In, Ga, Al) through Modified Becke ³ Johnson Potential. Chinese Physics Letters, 2014, 31, 067401.	3.3	12
114	<i>ab initio</i> study of structural, electronic, magnetic and optical properties of Ti-doped ZnTe and CdTe. International Journal of Modern Physics B, 2014, 28, 1450080.	2.0	12
115	Y ₃ Fe ₅ O ₁₂ nanoparticulate garnet ferrites: Comprehensive study on the synthesis and characterization fabricated by various routes. Journal of Magnetism and Magnetic Materials, 2014, 368, 393-400.	2.3	80
116	Elastic, optoelectronic, and thermal properties of cubic CsIn ₂ N ₄ : an <i>ab initio</i> study. Journal of Materials Science, 2013, 48, 8235-8243.	3.7	24
117	Spin effect on parametric decay of oblique Langmuir wave in degenerate magneto-plasmas. Physics of Plasmas, 2013, 20, 082124.	1.9	17
118	A comparison of parametric decay of oblique Langmuir wave in high and low density magneto-plasmas. Physics of Plasmas, 2013, 20, .	1.9	4
119	Shukla-Nambu-Salimullah potential with multi electron species in magnetoplasmas. Physics of Plasmas, 2013, 20, 022107.	1.9	3
120	Structural, elastic, electronic and optical properties of CsMCl ₃ (M=Zn, Cd). Physica B: Condensed Matter, 2013, 420, 15-23.	2.7	36
121	Effects of Sr-substitution on the structural and magnetic behavior of Ba-based Y-type hexagonal ferrites. Journal of Alloys and Compounds, 2013, 580, 23-28.	5.5	34
122	Electronic Band Profile and Optical Response of Spinel MgIn ₂ O ₄ through Modified Becke ³ Johnson Potential. Chinese Physics Letters, 2013, 30, 067401.	3.3	8
123	Spin effect on parametric interactions of waves in magnetoplasmas. Physics of Plasmas, 2012, 19, .	1.9	16
124	Quantum modification of dust shear Alfvén wave in plasmas. Physics of Plasmas, 2012, 19, .	1.9	40
125	Multi electron species and shielding potentials in plasmas. Physics of Plasmas, 2012, 19, 114501.	1.9	0
126	Effect of Temperature Anisotropy on Various Modes and Instabilities for a Magnetized Non-relativistic Bi-Maxwellian Plasma. Brazilian Journal of Physics, 2012, 42, 487-504.	1.4	33

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127	The parametric decay of dust ion acoustic waves in non-uniform quantum dusty magnetoplasmas. <i>Physics of Plasmas</i> , 2011, 18, 063705.	1.9	45
128	Study of Sm-doped ZnO samples sintered in a nitrogen atmosphere and deposited on n-Si(100) by evaporation technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 3239-3245.	2.3	29
129	Investigation of structural and optoelectronic properties of BaThO ₃ . <i>Optical Materials</i> , 2011, 33, 553-557.	3.6	124
130	Nonlinear screening effect in an ultrarelativistic degenerate electron-positron gas. <i>Physics of Plasmas</i> , 2009, 16, 112307.	1.9	17
131	Nonlinear Landau damping of transverse electromagnetic waves in dusty plasmas. <i>Physics of Plasmas</i> , 2009, 16, .	1.9	18
132	Possible colloid crystal formation in a magnetized and inhomogeneous semiconductor plasma. <i>Journal of Applied Physics</i> , 2007, 102, 053301.	2.5	5
133	Longitudinal photons in a relativistic magneto-active plasma. <i>Physics of Plasmas</i> , 2007, 14, 102113.	1.9	2
134	Wake potential in a nonuniform self-gravitating dusty magnetoplasma in the presence of ion streaming. <i>Physics of Plasmas</i> , 2007, 14, 104505.	1.9	5
135	Kinetic Alfvén waves in a homogeneous dusty magnetoplasma with dust charge fluctuation effects. <i>Physics of Plasmas</i> , 2007, 14, 032105.	1.9	21
136	A specific property of electromagnetic waves interacting with dust-laden plasma. <i>Physics of Plasmas</i> , 2006, 13, 072103.	1.9	23
137	Some electrostatic modes based on non-Maxwellian distribution functions. <i>Physics of Plasmas</i> , 2004, 11, 2246-2255.	1.9	55
138	Parallel propagating electromagnetic modes with the generalized (r,q) distribution function. <i>Physics of Plasmas</i> , 2004, 11, 3819-3829.	1.9	101
139	Study of Lateral Spread of Ions Emitted from 2.3 kJ Plasma Focus with Hydrogen and Nitrogen Gases. <i>Journal of Fusion Energy</i> , 2002, 21, 217-220.	1.2	28
140	Application of Fritzsche-Gell-Mann Algebra to the Deep Inelastic Processes $e + \hat{1}^3 + \text{Anything}$ and $\hat{1}^{1/2} + \hat{1}^3 + \text{Anything}$. <i>Progress of Theoretical Physics</i> , 1972, 48, 1960-1976.	2.0	1
141	Chiral dynamics and K _{l4} form factors. <i>Zeitschrift für Physik A</i> , 1970, 230, 65-71.	0.9	1
142	Comparison of the veneziano amplitude with chiral dynamics for meson-meson scattering. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Società Italiana Di Fisica</i> , 1969, 2, 189-193.	0.4	2