Ghulam Murtaza

List of Publications by Year
in descending order

142 papers	3,586 citations	109321 35 h-index	189892 50 g-index
146 all docs	146 docs citations	146 times ranked	2552 citing authors

#	Article	IF	Citations
1	Investigation of structural and optoelectronic properties of BaThO3. Optical Materials, 2011, 33, 553-557.	3.6	124
2	Evaluation of structural, morphological and magnetic properties of CuZnNi (Cu Zn0.5â^'Ni0.5Fe2O4) nanocrystalline ferrites for core, switching and MLCIâ€™s applications. Journal of Magnetism and Magnetic Materials, 2017, 421, 260-268.	2.3	113
3	Parallel propagating electromagnetic modes with the generalized (r,q) distribution function. Physics of Plasmas, 2004, 11, 3819-3829.	1.9	101
4	First principles investigations of electronics, magnetic, and thermoelectric properties of rare earth based PrYO 3 (Y=Cr, V) perovskites. Current Applied Physics, 2017, 17, 1539-1546.	2.4	93
5	Structural and magnetic behavior of Pr-substituted M-type hexagonal ferrites synthesized by solâ€“gel autocombustion for a variety of applications. Journal of Magnetism and Magnetic Materials, 2015, 374, 187-191.	2.3	88
6	The wound healing and antibacterial potential of triple-component nanocomposite (chitosan-silver-sericin) films loaded with moxifloxacin. International Journal of Pharmaceutics, 2019, 564, 22-38.	5.2	85
7	Y3Fe5O12 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
8	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
9	Structural, spectral, dielectric and magnetic properties of Tbâ€“Dy doped Li-Ni nano-ferrites synthesized via micro-emulsion route. Journal of Magnetism and Magnetic Materials, 2016, 419, 338-344.	2.3	77
10	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
11	Dielectric and impedance study of praseodymium substituted Mg-based spinel ferrites. Journal of Magnetism and Magnetic Materials, 2017, 434, 143-150.	2.3	69
12	Structural and magnetic studies on Zr doped ZnO diluted magnetic semiconductor. Current Applied Physics, 2014, 14, 176-181.	2.4	68
13	The role of praseodymium substituted ions on electrical and magnetic properties of Mg spinel ferrites. Journal of Magnetism and Magnetic Materials, 2017, 428, 136-143.	2.3	67
14	Role of grain boundaries in the conduction of Euâ€“Ni substituted Y-type hexaferrites. Journal of Magnetism and Magnetic Materials, 2014, 362, 115-121.	2.3	61
15	Magnetic, ferromagnetic resonance and electrical transport study of Ni1â^'xTbxFe2O4 spinel ferrites. Ceramics International, 2014, 40, 3571-3577.	4.8	58
16	Liquid Metal Antennas: Materials, Fabrication and Applications. Sensors, 2020, 20, 177.	3.8	57
17	Structural elucidation and magnetic behavior evaluation of rare earth (La, Nd, Gd, Tb, Dy) doped BaCoNi-X hexagonal nano-sized ferrites. Journal of Magnetism and Magnetic Materials, 2016, 408, 147-151.	2.3	56
18	Some electrostatic modes based on non-Maxwellian distribution functions. Physics of Plasmas, 2004, 11, 2246-2255.	1.9	55

#	Article	IF	Citations
19	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
20	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
21	Structural, morphological, dielectric and magnetic characterizations of Ni0.6Cu0.2Zn0.2Fe2O4 (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. Ceramics International, 2014, 40, 15821-15829.	4.8	46
22	First Principles Investigation of the Elastic, Optoelectronic and Thermal Properties of XRuSb: (XÂ=ÂV,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2016, 45, 3479-3490.	2.2	46
23	The parametric decay of dust ion acoustic waves in non-uniform quantum dusty magnetoplasmas. Physics of Plasmas, 2011, 18, 063705.	1.9	45
24	First principle study of electronic, mechanical, optical and thermoelectric properties of CsMO3 (MÂ=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 19-26.	2.4	45
25	Synthesis and characterization of Zr and Mg doped BiFeO3 nanocrystalline multiferroics via micro emulsion route. Journal of Alloys and Compounds, 2016, 667, 329-340.	5.5	43
26	Optoelectronic and thermal properties of LiXH3(X =Ba, Sr and Cs) for hydrogen storage materials: A first principle study. Solid State Communications, 2019, 299, 113659.	1.9	42
27	Quantum modification of dust shear AlfvÃ©n wave in plasmas. Physics of Plasmas, 2012, 19, .	1.9	40
28	Study of the Zn0.75M0.25Te (MÂ=ÂFe, Co, Ni) diluted magnetic semiconductor system by first principles approach. Materials Chemistry and Physics, 2015, 162, 831-838.	4.0	40
29	First-principles calculations of a half-metallic ferromagnet zinc blende Zn 1â^'x V x Te. Journal of Magnetism and Magnetic Materials, 2015, 378, 41-49.	2.3	40
30	Optimum Resilient Operation and Control DC Microgrid Based Electric Vehicles Charging Station Powered by Renewable Energy Sources. Energies, 2019, 12, 4240.	3.1	40
31	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
32	Structural, elastic, electronic and optical properties of CsMCl3 (M=Zn, Cd). Physica B: Condensed Matter, 2013, 420, 15-23.	2.7	36
33	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
34	Firstâ€principle investigation of <scp>XSrH₃</scp> (X = K and Rb) perovskiteâ€type hydrides for hydrogen storage. International Journal of Quantum Chemistry, 2020, 120, e26419.	2.0	36
35	Ab initio study for the structural, electronic, magnetic, optical, and thermoelectric properties of <scp> K ₂ OsX ₆ </scp> (X = Cl, Br) compounds. International Journal of Energy Research, 2020, 44, 9035-9049.	4.5	36
36	Structural and magnetic properties of Ndâ€“Mn substituted Y-type hexaferrites synthesized by microemulsion method. Journal of Alloys and Compounds, 2014, 602, 122-129.	5.5	35

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37	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
38	Electronic, optical and bonding properties of MgYZ2 (Y=Si, Ge; Z=N, P) chalcopyrites from first principles. Materials Science in Semiconductor Processing, 2014, 26, 79-86.	4.0	34
39	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
40	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
41	A theoretical study of the structural, thermoelectric, and spinâ€orbit coupling influenced optoelectronic properties of CsTmCl₃ halide perovskite. International Journal of Quantum Chemistry, 2020, 120, e26141.	2.0	31
42	Comparative study of polytype 2H-MoS2 and 3R-MoS2 systems by employing DFT. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 106, 338-345.	2.7	30
43	Study of Sm-doped ZnO samples sintered in a nitrogen atmosphere and deposited on n-Si(100) by evaporation technique. Journal of Magnetism and Magnetic Materials, 2011, 323, 3239-3245.	2.3	29
44	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
45	Synthesis of sericinâ€conjugated silver nanoparticles and their potential antimicrobial activity. Journal of Basic Microbiology, 2020, 60, 458-467.	3.3	29
46	Study of Lateral Spread of Ions Emitted from 2.3 kJ Plasma Focus with Hydrogen and Nitrogen Gases. Journal of Fusion Energy, 2002, 21, 217-220.	1.2	28
47	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
48	Synthesis, characterisation and photocatalytic performance of ZnS coupled Ag2S nanoparticles: A remediation model for environmental pollutants. Arabian Journal of Chemistry, 2018, 11, 827-837.	4.9	28
49	The investigation of optoelectronic, magnetic and dynamical properties of Ce and Ti doped 2D blue phosphorene: A dispersion corrected DFT study. Journal of Alloys and Compounds, 2020, 827, 154255.	5.5	28
50	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
51	Structural, surface morphology, dielectric and magnetic properties of holmium doped BiFeO3 thin films prepared by pulsed laser deposition. Thin Solid Films, 2018, 662, 83-89.	1.8	27
52	First-principles investigation of structural, electronic, optical and thermal properties of Zinc doped SrTiO3. Optik, 2020, 201, 163481.	2.9	26
53	Theoretical investigation of band gap and optical properties of ZnO 1â^' x Te x alloys (x = 0, 0.25, 0.5, 0.75) Tj ETQq1 1 0.784314 rgB	3.0	25
54	Design of State Feedback Current Controller for Fast Synchronization of DFIG in Wind Power Generation Systems. Energies, 2019, 12, 2427.	3.1	25

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55	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
56	Elastic, optoelectronic, and thermal properties of cubic CSi2N4: an ab initio study. Journal of Materials Science, 2013, 48, 8235-8243.	3.7	24
57	A specific property of electromagnetic waves interacting with dust-laden plasma. Physics of Plasmas, 2006, 13, 072103.	1.9	23
58	First principles study of structural, optoelectronic and thermoelectric properties of Cu2CdSnX4 (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.2	22
59	Theoretical investigations of optoelectronic and thermoelectric properties of the XIn2O4 (X = Mg, Zn,) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	22
60	Kinetic AlfvÃ©n waves in a homogeneous dusty magnetoplasma with dust charge fluctuation effects. Physics of Plasmas, 2007, 14, 032105.	1.9	21
61	A Novel Ag2O/Feâ€“TiO2 Photocatalyst for CO2 Conversion into Methane Under Visible Light. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 1288-1296.	3.7	21
62	Structural and magnetic behavior evaluation of Mgâ€“Tb ferrite/polypyrrole nanocomposites. Ceramics International, 2015, 41, 651-656.	4.8	20
63	Structural, magnetic, dielectric and bonding properties of BiMnO3 grown by co-precipitation technique. Results in Physics, 2017, 7, 3190-3195.	4.1	20
64	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
65	First principle study of structural, electronic, optical, and transport properties of ternary compounds NaGaX2 (Xâ€‰=â€‰S, Se, and Te) in tetragonal chalcopyrite phase. Optical and Quantum Electronics, 2019, 51, 1.	3.3	20
66	Structural, dielectric and magnetic properties of (ZnFe2O4/Polystyrene) nanocomposites synthesized by micro-emuslion technique. Ceramics International, 2020, 46, 5920-5928.	4.8	20
67	Study of half metallic nature and transport properties of XMnSe2 (X = Ca, Sr and Ba) compounds via ab-initio calculations. Journal of Materials Research and Technology, 2020, 9, 10511-10519.	5.8	20
68	Facile Microemulsion Synthesis of Vanadium-Doped ZnO Nanoparticles to Analyze the Compositional, Optical, and Electronic Properties. Materials, 2019, 12, 821.	2.9	19
69	Nonlinear Landau damping of transverse electromagnetic waves in dusty plasmas. Physics of Plasmas, 2009, 16, .	1.9	18
70	Nonlinear screening effect in an ultrarelativistic degenerate electron-positron gas. Physics of Plasmas, 2009, 16, 112307.	1.9	17
71	Spin effect on parametric decay of oblique Langmuir wave in degenerate magneto-plasmas. Physics of Plasmas, 2013, 20, 082124.	1.9	17
72	Structural, Magnetic and Microwave Properties of Gadolinium-Substituted Ca-Ba M-Type Hexagonal Ferrites. Journal of Electronic Materials, 2018, 47, 5370-5377.	2.2	17

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73	Optoelectronic and thermoelectric behavior of XIn₂Te₄ (X = Mg, Zn and Cd) for energy harvesting application; DFT approach. Physica Scripta, 2019, 94, 125709.	2.5	17
74	Spin effect on parametric interactions of waves in magnetoplasmas. Physics of Plasmas, 2012, 19, .	1.9	16
75	Effect of La on structural and photocatalytic activity of SnO2 nanoparticles under UV irradiation. Journal of Environmental Chemical Engineering, 2017, 5, 3844-3851.	6.7	16
76	Structural, electronic, magnetic, optical and thermoelectric response of half-metallic AMnTe2 (A = Li,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.7	16
77	Probing the structural, electronic, mechanical strength and optical properties of tantalum-based oxide perovskites ATaO3 (A = Rb, Fr) for optoelectronic applications: First-principles investigations. Optik, 2020, 219, 165027.	2.9	16
78	Probing the electronic structure and magnetism in Ni doped ZnTe: A DFT modeling and experiment. Journal of Alloys and Compounds, 2020, 834, 155176.	5.5	15
79	Theoretical study of electronic, magnetic, optical and thermoelectric properties of XMnO2 (X=Au, Ag,) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	15
80	Magnetic and High-Frequency Dielectric Parameters of Divalent Ion-Substituted W-Type Hexagonal Ferrites. Journal of Electronic Materials, 2017, 46, 903-910.	2.2	14
81	First principle study of optoelectronic and thermoelectric properties of magnesium based MgX2O4 (X) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	14
82	Ab-initio prediction of structure stability, electromagnetic, optical and thermoelectric behavior of orthorhombic LaXO3 (X= Cr, Mn, Fe): For device application. Journal of Molecular Graphics and Modelling, 2020, 94, 107482.	2.4	13
83	Structural, dielectric and magnetic manifestation in BaM/PEEK nanocomposite for X band shielding blocks. Ceramics International, 2021, 47, 4551-4562.	4.8	13
84	Pressure induced structural, electronic, optical and thermal properties of CsYbBr3, a theoretical investigation. Journal of Materials Research and Technology, 2021, 10, 687-696.	5.8	13
85	Electronic and Optic Properties of Cubic Spinel CdX 2 O 4 (X=In, Ga, Al) through Modified Beckeâ€"Johnson Potential. Chinese Physics Letters, 2014, 31, 067401.	3.3	12
86	Ab initio 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
87	Improved electrical, magnetic and dielectric properties of polypyrol (PPy) substituted spinel ferrite composites. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 313-317.	2.7	12
88	On the upper hybrid wave instability in a spin polarized degenerate plasma. Physics of Plasmas, 2018, 25, .	1.9	12
89	The Theoretical Investigation of Electronic, Magnetic, and Thermoelectric Behavior of LiZ2O4 (Z = Mn,) Tj ETQq1 1 0.784314 rgBT /Ov Magnetism, 2019, 32, 1231-1239.	1.8	12
90	An investigation of structural, elastic, mechanical, electronic, magnetic and thermoelectric properties of ferromagnetic half metallic EuCrO3. Materials Science in Semiconductor Processing, 2021, 122, 105487.	4.0	12

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91	Spin-based transport properties of Cs2WX6 (Xâ€‰=â€‰Cl, Br) ferromagnets for spin-injected thermoelectric current. European Physical Journal Plus, 2021, 136, 1.	2.6	12
92	Study of optoelectronic and thermoelectric properties of double perovskites for renewable energy. Physica Scripta, 2021, 96, 125828.	2.5	12
93	Tailoring of band gap to tune the optical and thermoelectric properties of Sr1-xBaxSnO3 stannates for clean energy; probed by DFT. Chemical Physics, 2021, 551, 111322.	1.9	12
94	Investigating the effect of Cd-Mn co-doped nano-sized BiFeO 3 on its physical properties. Results in Physics, 2016, 6, 675-682.	4.1	11
95	Effect of La-doping on the structural, morphological and electrochemical properties of LiCoO₂ nanoparticles using Sol-Gel technique. Materials Research Express, 2018, 5, 055044.	1.6	11
96	The structural, electronic and dynamical investigations of NdMn2O5 and La2CoMnO6 for optoelectronic applications: A first principles study. Optik, 2020, 204, 164165.	2.9	11
97	Mn0.8Zn0.2Fe2O4 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
98	Effect of co-doping of Fe and Gd on the structural, morphological and dielectric properties of LaMnO₃ nanocrystallites using Sol-Gel technique. Materials Research Express, 2018, 5, 075018.	1.6	10
99	A Sensorless Wind Speed and Rotor Position Control of PMSG in Wind Power Generation Systems. Sustainability, 2020, 12, 8481.	3.2	10
100	Structural, electronic, optoelectronic and transport properties of LuZnCuAs2 compound: First principle calculations under DFT. Physica B: Condensed Matter, 2020, 596, 412351.	2.7	10
101	MPPT of Permanent Magnet Synchronous Generator in Tidal Energy Systems Using Support Vector Regression. Sustainability, 2021, 13, 2223.	3.2	10
102	First principle study of half metallic ferromagnetism and transport properties of spinelâ€™s ZnFe₂(S/Se)₄ for spintronic. Physica Scripta, 2021, 96, 125816.	2.5	10
103	A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System. Electronics (Switzerland), 2020, 9, 430.	3.1	9
104	First-Principles Simulation of Structural, Electronic and Optical Properties of Cerium Trisulfide (Ce2S3) Compound. Journal of Electronic Materials, 2021, 50, 1637-1643.	2.2	9
105	Electronic Band Profile and Optical Response of Spinel MgIn 2 O 4 through Modified Beckeâ€”Johnson Potential. Chinese Physics Letters, 2013, 30, 067401.	3.3	8
106	An ab initio study of spectroscopic and thermodynamic characteristics of MgH2 and TiC systems. International Journal of Hydrogen Energy, 2019, 44, 6756-6762.	7.1	8
107	Structural, vibrational, mechanical, and optoelectronic properties of <scp>LiBH₄</scp> for hydrogen storage and optoelectronic devices: Firstâ€principles study. International Journal of Quantum Chemistry, 2021, 121, e26444.	2.0	8
108	Effects of Pr-contents on the structural, magnetic and high frequency parameters of M-type hexagonal ferrites synthesized by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 6193-6201.	2.2	7

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109	Energy penetrated and inverse bremsstrahlung absorption co-efficient in laser ablated germanium plasma. Journal of Molecular Structure, 2020, 1203, 127412.	3.6	7
110	Theoretical investigation of the structural stabilities, optoelectronic and thermoelectric properties of ternary alloys NaInY2 (Y = S,ÂSeÂandÂTe) through modified Beckeâ€“Johnson exchange potential. International Journal of Modern Physics B, 2020, 34, 2050133.	2.0	7
111	Effect of Cu Ions Implantation on Structural, Electronic, Optical and Dielectric Properties of Polymethyl Methacrylate (PMMA). Polymers, 2021, 13, 973.	4.5	7
112	Study of half metallic ferromagnetism, transport and mechanical properties of X_{0.9375}Ti_{0.0625}Te (XÂ=ÂCa, Sr, and Ba) alloys: for spintronics application. Physica Scripta, 2021, 96, 095802.	2.5	7
113	Investigation of the Role of Ce3+ Substituted Ions on Dielectric Properties of Co-Cr Ferrites Prepared by Co-precipitation Method. Journal of Electronic Materials, 2016, 45, 5830-5838.	2.2	6
114	Structural, optical, and photocatalytic properties of Cd1â^'xS:Lax nanoparticles for optoelectronic applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	6
115	Laser induced breakdown optical emission spectroscopic study of silicon plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117374.	3.9	6
116	Possible colloid crystal formation in a magnetized and inhomogeneous semiconductor plasma. Journal of Applied Physics, 2007, 102, 053301.	2.5	5
117	Wake potential in a nonuniform self-gravitating dusty magnetoplasma in the presence of ion streaming. Physics of Plasmas, 2007, 14, 104505.	1.9	5
118	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
119	Half metallic ferromagnetism in PrMnO₃ orthorhombic stable phase: an experimental and theoretical investigation. Materials Research Express, 2018, 5, 116103.	1.6	5
120	Study of Optoelectronic and Thermoelectric Characteristics of Cesium Based Halides CsYbX₃ (X = Br, Cl) for Clean Energy Harvesting. ECS Journal of Solid State Science and Technology, 2021, 10, 015002.	1.8	5
121	Ab-initio calculation of electronic, mechanical, optical and phonon properties of ZrXH₃(X) Tj ETQq1 1 0.784314 rgBT /Ov Modern Physics B, 2022, 36, .	2.0	5
122	A comparison of parametric decay of oblique Langmuir wave in high and low density magneto-plasmas. Physics of Plasmas, 2013, 20, .	1.9	4
123	Solar coronal heating by AlfvÃ©n waves in bi-kappa distributed plasma. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2403-2412.	4.4	4
124	Shukla-Nambu-Salimullah potential with multi electron species in magnetoplasmas. Physics of Plasmas, 2013, 20, 022107.	1.9	3
125	Structural and morphological properties of Zn1â^'x Zr x O with room-temperature ferromagnetism and fabricated by using the co-precipitation technique. Journal of the Korean Physical Society, 2017, 70, 460-464.	0.7	3
126	Structural, Optical, Dielectric, and Magnetic Characteristics of Nd Ions Substituted BaFe11(Sn0.5Mg0.5)xO19 M-Type Hexaferrite via Co-precipitation. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3273-3284.	1.8	3

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127	ab initio study of the exo-hydrogenated single wall carbon nanotubes. Physica B: Condensed Matter, 2019, 552, 124-129.	2.7	3
128	Optoelectronic and thermal properties of cubic SiMO3 (Mâ€‰=â€‰Sn, Pb) oxides for device application: a first principle study. Optical and Quantum Electronics, 2020, 52, 1.	3.3	3
129	On the Characteristics of Magnetosonic Waves in a Spin-Polarized Degenerate Electronâ€“Positronâ€“Ion Plasma. IEEE Transactions on Plasma Science, 2021, 49, 2063-2069.	1.3	3
130	Reduced graphene oxide containing barium hexaferrite composites for high frequency microwave absorption. Bulletin of Materials Science, 2022, 45, 1.	1.7	3
131	Comparison of the veneziano amplitude with chiral dynamics for meson-meson scattering. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1969, 2, 189-193.	0.4	2
132	Longitudinal photons in a relativistic magneto-active plasma. Physics of Plasmas, 2007, 14, 102113.	1.9	2
133	MICRO-EMULSION METHOD FOR THE SYNTHESIS AND CHARACTERIZATION OF La, Mn-DOPED Ba₃Co₂ Fe24O41 Z-TYPE HEXA-NANOFERRITES. Surface Review and Letters, 2019, 26, 1950065.	1.1	2
134	Structural, Magnetic, and Dielectric Properties of Sn-Doped BiFeO3: Experiment and DFT Analysis. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2179-2188.	1.8	2
135	Chiral dynamics andK l4 form factors. Zeitschrift FÃ¼r Physik A, 1970, 230, 65-71.	0.9	1
136	Application of Fritzsch-Gell-Mann Algebra to the Deep Inelastic Processese+Nâ†'e+ Î³ +Anything and Î½ +Nâ†'l+ Î³ +Anything. Progress of Theoretical Physics, 1972, 48, 1960-1976.	2.0	1
137	Improved cell viability and hydroxyapatite growth on nitrogen ion-implanted surfaces. Radiation Effects and Defects in Solids, 2017, 172, 590-599.	1.2	1
138	Ab initio study of electronic, optical and thermoelectric character of intermetallic compounds XGa3 (Xâ€‰=â€‰Fe, Ru, Os). Optical and Quantum Electronics, 2020, 52, 1.	3.3	1
139	Effect of Y ions incorporation on structural, morphological and magnetic properties of Bi1â^'xDyxFeO3 for ferromagnetic applications. Bulletin of Materials Science, 2021, 44, 1.	1.7	1
140	Charged particles energization during magnetic reconnection in the Earthâ€™s magnetosphere by double layers: an analytical approach. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3703-3708.	4.4	1
141	Multi electron species and shielding potentials in plasmas. Physics of Plasmas, 2012, 19, 114501.	1.9	0
142	Systematic investigation of magnetic, optical and transport properties of RTX (R = Rare earth, T = 3d/4d) Tj ETQq0 0 0 rgBT /Overlock 10 2021, 35, 2150212.	2.0	0