Yarub Al-Douri

List of Publications by Year
in descending order

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287	9,884	34105	60623
papers	citations	52 h-index	81 g-index

295	295	295	4713
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	First-principles calculations of structural, elastic, electronic, and optical properties of CaYP (Y = Cu,) Tj ETQq1 1 0.784314 rgBT /Overlock	5.7	28
2	Theoretical investigation of structural, electronic, elastic, magnetic, thermodynamic, and thermoelectric properties of Ru2MnNb Heusler alloy: FP-LMTO method. Emergent Materials, 2022, 5, 1065-1073.	5.7	31
3	Nanomaterial-based biosensors for COVID-19 detection. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 955-978.	12.3	5
4	Effect of chiral angle and chiral index on the vibration of single-walled carbon nanotubes using nonlocal Euler-Bernoulli beam model. Computational Condensed Matter, 2022, 30, e00655.	2.1	4
5	Investigation of structural, elastic, electronic, and magnetic proprieties for X2LuSb (Xâ€‰=â€‰Mn and Ir) full-Heusler alloys. Emergent Materials, 2022, 5, 537-551.	5.7	52
6	Structural, elastic, electronic and optical properties of the newly synthesized selenides Tl2CdXSe4 (Xâ€‰=â€‰Ge, Sn). European Physical Journal B, 2022, 95, 1.	1.5	6
7	Optical investigations of Cu2CdSnS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e335" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math> quaternary alloy nanostructure for indoor optical wireless communications. Optics Communications, 2022, 517, 128351.	2.1	1
8	Investigation of the Structural, Elastic, Electronic, and Optical Properties of Half-Heusler CaMgZ (Z =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.2	65
9	Elastic, electronic, optical and thermoelectric properties of the novel Zintl-phase Ba2ZnP2. Solid State Sciences, 2022, 128, 106893.	3.2	75
10	Influence of Laser Process Parameters, Liquid Medium, and External Field on the Synthesis of Colloidal Metal Nanoparticles Using Pulsed Laser Ablation in Liquid: A Review. Nanomaterials, 2022, 12, 2144.	4.1	14
11	Ab initio study of the pressure dependence of mechanical and thermodynamic properties of GeB2O4 (B) Tj ETQq1 1 0.784314 rgBT /Ov	2.1	54
12	KOH mediated hydrothermally synthesized hexagonalâ€CoMn ₂ O ₄ for energy storage supercapacitor applications. International Journal of Energy Research, 2022, 46, 16823-16838.	4.5	11
13	First-Principles Calculations to Investigate Structural, Electronic, Elastic, Magnetic, and Thermodynamic Properties of Full-Heusler Rh2MnZ (Z = Zr, Hf). Journal of Superconductivity and Novel Magnetism, 2021, 34, 269-283.	1.8	132
14	Production of powder-activated carbon from natural resources. , 2021, , 277-299.		1
15	The effect of Cu/In molar ratio on the analysis and characterization of CuInS2 nanostructures. Emergent Materials, 2021, 4, 413-422.	5.7	4
16	Temperature effect to investigate optical and structural properties of AZO nanostructures for optoelectronics. Bulletin of Materials Science, 2021, 44, 1.	1.7	12
17	Surface tension under magnetic field effect for nanoscaled water. European Physical Journal Plus, 2021, 136, 1.	2.6	4
18	First-principles predictions of the structural, electronic, optical and elastic properties of the zintl-phases AE3GaAs3 (AE = Sr, Ba). Solid State Sciences, 2021, 114, 106563.	3.2	118

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19	Theoretical investigations of structural, mechanical, electronic and optical properties of NaScSi alloy. Emergent Materials, 2021, 4, 1465-1477.	5.7	71
20	Synthesis and optimization of high surface area mesoporous date palm fiber-based nanostructured powder activated carbon for aluminum removal. Chinese Journal of Chemical Engineering, 2021, 32, 472-484.	3.5	17
21	Structural, electronic, magnetic and mechanical properties of the full-Heusler compounds Ni₂Mn(Ge,Sn) and Mn₂NiGe. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 693-702.	1.5	5
22	Electronic and magnetic investigation of half-metallic ferrimagnetic full-Heusler Mn2IrGe. Emergent Materials, 2021, 4, 1745-1760.	5.7	16
23	Structural, mechanical, magnetic, electronic, and thermal investigations of Ag2YB (Yâ€‰=â€‰Nd, Sm, Gd) full-Heusler alloys. Emergent Materials, 2021, 4, 1769-1783.	5.7	61
24	Structural, electronic and thermodynamic investigation of Ag₂GdSi, Ag₂GdSn and Ag₂Gd Pb Heusler alloys: First-principles calculations. Materialpruefung/Materials Testing, 2021, 63, 537-542.	2.2	85
25	Ab initio exploration of the structural, elastic, electronic and optical properties of a new layered perovskite-type oxyï¬‚uoride: CsSrNb2O6F. Materials Science in Semiconductor Processing, 2021, 131, 105890.	4.0	47
26	Improved room temperature dielectric properties of Gd3+ and Nb5+ co-doped Barium Titanate ceramics. Journal of Alloys and Compounds, 2021, 883, 160836.	5.5	68
27	Green synthesis, analysis and characterization of XZnFe2O3 (X=Mg,Co,Ni) quaternary alloys nanoparticles and their potential application for optoelectronics and antibacterial. Journal of Materials Research and Technology, 2021, 15, 1487-1495.	5.8	17
28	Morphological and optical investigations of the NiZnFe2O3 quaternary alloy nanostructures for potential application in optoelectronics. Journal of Taibah University for Science, 2021, 15, 275-281.	2.5	4
29	Fabrication and analysis of starch-based green materials. , 2021, , 301-318.		0
30	First-principles calculations to investigate magnetic and thermodynamic properties of new multifunctional full-Heusler alloy Co2TaGa. Indian Journal of Physics, 2020, 94, 767-777.	1.8	169
31	Temperature and doping effects on the transport properties of SrIn2P2 Zintl compound. Journal of Alloys and Compounds, 2020, 815, 152384.	5.5	9
32	Synthesis and analysis of SnO2/ZnO nanocomposites: Structural studies and optical investigations with Maxwellâ€“Garnett model. Materials Chemistry and Physics, 2020, 240, 122254.	4.0	16
33	Structural, elastic, electronic, magnetic, optical, and thermoelectric properties of the diamond-like quaternary semiconductor CuMn2InSe4. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1091-1102.	1.8	37
34	Nanosecond pulsed laser ablation to synthesize ternary alloy colloidal nanoparticles. , 2020, , 25-38.		7
35	First-principles computations of $$hbox {Y}_{x}hbox {Ga}_{1-{x}}$$As-ternary alloys: a study on structural, electronic, optical and elastic properties. Bulletin of Materials Science, 2020, 43, 1.	1.7	105
36	Fabrication and characterizations of Al nanoparticles doped ZnO nanostructures-based integrated electrochemical biosensor. Journal of Materials Research and Technology, 2020, 9, 857-867.	5.8	46

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37	First-principles calculations to investigate structural and thermodynamic properties of Ni2LaZ (Zâ€‰=â€‰As,) Tj ETQq1 1 0.784314 rg	1.8	121
38	ZnO nanostructures: analysis and characterization by the electrospinning technique. Emergent Materials, 2020, 3, 947-953.	5.7	5
39	Electronic and thermoelectric properties of the layered Zintl phase CaIn₂P₂: first-principles calculations. Philosophical Magazine, 2020, 100, 3023-3039.	1.6	105
40	The effect of graphite type on the synthesis of SiC nanomaterials by microwave-assisted synthesis. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	3
41	Detecting the DNA of dengue serotype 2 using aluminium nanoparticle doped zinc oxide nanostructure: Synthesis, analysis and characterization. Journal of Materials Research and Technology, 2020, 9, 5515-5523.	5.8	55
42	Recent Progress in the Development of Biosensors for Chemicals and Pesticides Detection. IEEE Access, 2020, 8, 82514-82527.	4.2	30
43	Computational Prediction of Structural, Electronic, Elastic, and Thermoelectric Properties of FeVX (Xâ€‰=â€‰As, P) Half-Heusler Compounds. Journal of Electronic Materials, 2020, 49, 4916-4922.	2.2	28
44	Synthesis, Characterization, and Analysis of Hybrid Carbon Nanotubes by Chemical Vapor Deposition: Application for Aluminum Removal. Polymers, 2020, 12, 1305.	4.5	17
45	Physical studies of metal oxide powders. , 2020, , 1-15.		3
46	Ab initio prediction of the elastic, electronic and optical properties of a new family of diamond-like semiconductors, Li2HgMS4 (MÂ= Si, Ge and Sn). Journal of Alloys and Compounds, 2020, 843, 155991.	5.5	21
47	Metal oxides in electronics. , 2020, , 263-278.		4
48	Elastic, electronic, optical and thermodynamic properties of Ba3Ca2Si2N6 semiconductor: First-principles predictions. Physica B: Condensed Matter, 2020, 589, 412213.	2.7	100
49	Theoretical investigation of the structural, elastic, electronic, and optical properties of the ternary tetragonal tellurides KBTe2 (B = Al, In). Materials Science in Semiconductor Processing, 2020, 114, 105085.	4.0	29
50	Effect of annealing temperature on the analysis and characterization of Cu2Zn0.6Cd0.4SnS4 quinternary alloy nanostructures deposited on silicon substrate. , 2019, , .		0
51	Synthesis and evaluation of the structural, optical, and antibacterial properties of copper oxide nanoparticles. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	49
52	Hybrid GMR/IR probe to reduce the effects of lift-off. Measurement and Control, 2019, 52, 588-598.	1.8	11
53	Synthesis of silicon carbide nanomaterials by microwave heating: Effect of types of carbon nanotubes. Solid State Sciences, 2019, 98, 106023.	3.2	9
54	Uniformity improvement by integrated electrochemical-plating process for CMOS logic technologies. Journal of Manufacturing Processes, 2019, 38, 422-431.	5.9	7

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55	Nucleic Acid Complementation Analysis on Biosensors. , 2019, , 95-115.		1
56	Synthesis and Characterization of Natural Extracted Precursor Date Palm Fibre-Based Activated Carbon for Aluminum Removal by RSM Optimization. Processes, 2019, 7, 249.	2.8	26
57	Exploiting of geothermal energy reserve and potential in Saudi Arabia: A case study at Ain Al Harrah. Energy Reports, 2019, 5, 632-638.	5.1	27
58	Firstâ€Principles Calculations to Investigate the Refractive Index and Optical Dielectric Constant of Na₃SbX₄ (Xâ€‰=â€‰S, Se) Ternary Chalcogenides. Physica Status Solidi (B): Basic Research, 2019, 256, 1900131.	1.5	106
59	Electronic structure and optical properties of the dialkali metal monotelluride compounds: Ab initio study. Journal of Molecular Graphics and Modelling, 2019, 90, 77-86.	2.4	19
60	Structural, dielectric and low temperature magnetic response of Zn doped cobalt ferrite nanoparticles. AIP Advances, 2019, 9, .	1.3	58
61	Annealing temperature effect on structural and optical investigations of Fe2O3 nanostructure. Journal of Materials Research and Technology, 2019, 8, 2164-2169.	5.8	16
62	Review of the renewable energy outlook in Saudi Arabia. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	19
63	Effect of nitrogen doping on structural and optical properties of MgxZn1-xO ternary alloys. Optical Materials, 2019, 89, 554-558.	3.6	24
64	Thickness effect of ZnO/PPC gas sensor on the sensing properties of NO2 gas. AIP Conference Proceedings, 2019, , .	0.4	4
65	First-principle Calculations to Investigate Electronic And Optical Properties of MgO Monolayer. Materials Express, 2019, 9, 166-172.	0.5	6
66	Nanoelectronics in Biosensing Applications. , 2019, , 211-224.		4
67	Transition metals doped In₂S₃ nanostructure: structural and optical features. Materials Research Express, 2019, 6, 125914.	1.6	10
68	Improved efficiency of Cu(In,Ga)Se2 thinfilm solar cells using a buffer layer alternative to CdS. Solar Energy, 2019, 178, 150-156.	6.1	47
69	Correlation Between Magnetization and Particle Size of CdS Nanostructures by Solvothermal Method. Journal of Superconductivity and Novel Magnetism, 2019, 32, 283-289.	1.8	12
70	Challenges in improving the performance of eddy current testing: Review. Measurement and Control, 2019, 52, 46-64.	1.8	90
71	Raman spectroscopy and FTIR spectroscopy studies of Mn-doped CdSe QDs at different particles size. Optik, 2019, 179, 628-631.	2.9	11
72	Electronic, optical, elastic, thermoelectric and thermodynamic properties of the spinel oxides ZnRh2O4 and CdRh2O4. Journal of Alloys and Compounds, 2019, 774, 299-314.	5.5	84

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73	Nanosecond pulsed laser ablation to synthesize GaO colloidal nanoparticles: Optical and structural properties. Optik, 2019, 178, 337-342.	2.9	32
74	The Elastic, Electronic and Thermodynamic Properties of a New Cd Based Full Heusler Compounds - A Theoretical Investigation Using DFT Based FP-LMTO Approach. Acta Physica Polonica A, 2019, 136, 127-134.	0.5	40
75	Gd impurities effect on $$hbox {Co}_{2}hbox {CrSi}$$ Co 2 CrSi alloy: first-principle calculations. Bulletin of Materials Science, 2018, 41, 1.	1.7	74
76	First-principle calculations of structural, electronic and magnetic investigations of Mn2RuGe1-xSnx quaternary Heusler alloys. Chinese Journal of Physics, 2018, 56, 567-573.	3.9	72
77	Structural, Elastic, Thermodynamic, Electronic, and Magnetic Investigations of Full-Heusler Compound Ag2CeAl: FP-LAPW Method. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3183-3192.	1.8	53
78	Structural, elastic, electronic, optical and thermoelectric properties of the Zintl-phase Ae₃AlAs₃ (Ae = Sr, Ba). Philosophical Magazine, 2018, 98, 1217-1240.	1.6	17
79	Analysis and characterization of Cu2CdSnS4 quaternary alloy nanostructures deposited on GaN. Indian Journal of Physics, 2018, 92, 695-703.	1.8	25
80	Electronic, optical and thermoelectric investigations of Zintl phase AE3AlAs3 (AEâ€¯=â€¯Sr, Ba): First-principles calculations. Chinese Journal of Physics, 2018, 56, 870-879.	3.9	112
81	Structural and Optical Properties of Nanophotonic LiNbO3 under Stirrer Time Effect. Journal of Optical Communications, 2018, 39, 297-306.	4.7	32
82	Structural, magnetic, electronic and mechanical properties of full-Heusler alloys Co2YAl (Y = Fe, Ti): First principles calculations with different exchange-correlation potentials. Journal of Magnetism and Magnetic Materials, 2018, 448, 208-220.	2.3	245
83	First-Principle Calculations of Structural, Elastic, and Electronic Properties of Intermetallic Rare Earth R2Ni2Pb (R = Ho, Lu, and Sm) Compounds. Journal of Superconductivity and Novel Magnetism, 2018, 31, 395-403.	1.8	90
84	Half-Metallic Ferrimagnetic Characteristics of Co2YZ (Z = P, As, Sb, and Bi) New Full-Heusler Alloys: a DFT Study. Journal of Superconductivity and Novel Magnetism, 2018, 31, 241-250.	1.8	100
85	Electronic and Magnetic Investigations of Rare-Earth Tm-doped AlGaN Ternary Alloy. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1767-1771.	1.8	28
86	Synthesis of carbonâ€based quantum dots from starch extracts: Optical investigations. Luminescence, 2018, 33, 260-266.	2.9	31
87	Stirrer time effect on optical properties of nanophotonic LiNbO3. Materials Chemistry and Physics, 2018, 203, 243-248.	4.0	43
88	Structural, electronic, optical and thermodynamic investigations of NaXF 3 (Xâ€¯=â€¯Ca and Sr): First-principles calculations. Chinese Journal of Physics, 2018, 56, 131-144.	3.9	125
89	Effect of stirring time on the structural parameters of nanophotonic LiNbO3 deposited by spin-coating technique. Optik, 2018, 156, 886-890.	2.9	40
90	Effect of Temperature and Pressure on Structural and Magnetic Properties of Strontium-Filled Skutterudites SrT4Sb12: LDA and LSDA Calculations. Journal of Superconductivity and Novel Magnetism, 2018, 31, 915-923.	1.8	14

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91	Synthesis and Characterization of Cu2CdSnS4 Quaternary Alloy Nanostructures. International Journal of Electrochemical Science, 2018, 13, 6693-6707.	1.3	27
92	Optical structure modification induced by lattice strain in Mn-doped CdSe QDs. Optical Materials, 2018, 86, 441-448.	3.6	6
93	Lubricated Conditions Imposed on Coating Multi-layer on Wear Resistance Under Cr2O3 Effect. Materials Research, 2018, 21, .	1.3	4
94	Electronic and thermoelectric properties of the layered BaFAg Ch (Ch Â= S, Se and Te): First-principles study. Journal of Alloys and Compounds, 2018, 759, 32-43.	5.5	136
95	Spin-coating technique to investigate structural and optical properties of nano and micro cubic-like photonic LiNbO3 under annealing temperature effect. Optik, 2018, 172, 519-525.	2.9	10
96	Investigation of optical and structural properties of Cu<inf>2</inf>CdSnS<inf>4</inf> quaternary alloy nanostructures deposited on GaN for solar cell application. , 2018, , .		0
97	Fabrication, analysis and characterization of CCTS based device using interdigitated electrodes for bioenergy applications. , 2018, , .		0
98	Effect of Temperature on the Physical, Electro-Chemical and Adsorption Properties of Carbon Micro-Spheres Using Hydrothermal Carbonization Process. Nanomaterials, 2018, 8, 597.	4.1	31
99	Fabrication of Cu₂O Nanostructured Thin Film by Anodizing. Materials Science-Poland, 2018, 36, 209-216.	1.0	4
100	Structural, optical and electrical investigations of Cu2Zn1-xCdxSnS4/Si quinternary alloy nanostructures synthesized by spin coating technique. Microsystem Technologies, 2017, 23, 2223-2232.	2.0	22
101	Pressure and temperature dependence of the structural, elastic and thermodynamic properties of potassium telluride: First-principles calculations. Chinese Journal of Physics, 2017, 55, 769-779.	3.9	40
102	Pressure effect on structural, electronic and thermodynamic investigations of europium filled skutterudite EuFe4Sb12: LDA and LSDA approximations. Chinese Journal of Physics, 2017, 55, 386-399.	3.9	10
103	Surface functionalized Cu2Zn1â^'x Cd x SnS4 quinternary alloyed nanostructure for DNA sensing. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	20
104	Doping-Induced Half-Metallic Ferromagnetism in Vanadium and Chromium-Doped Alkali Oxides K2O and Rb2O: Ab Initio Method. Journal of Superconductivity and Novel Magnetism, 2017, 30, 2197-2210.	1.8	61
105	A needle-like Cu2CdSnS4 alloy nanostructure-based integrated electrochemical biosensor for detecting the DNA of Dengue serotype 2. Mikrochimica Acta, 2017, 184, 2211-2218.	5.0	75
106	First-principles Calculations of Structural, Magnetic Electronic and Optical Properties of Rare-earth Metals TbX (X=N, O, S, Se). Journal of Superconductivity and Novel Magnetism, 2017, 30, 3471-3479.	1.8	96
107	Structural, elastic, electronic and optical properties of the novel quaternary diamond-like semiconductors Cu2MgSiS4 and Cu2MgGeS4. Solid State Sciences, 2017, 70, 21-35.	3.2	24
108	Structural, Elastic, Electronic and Optical Properties of LaOAgS-Type Silver Fluoride Chalcogenides: First-Principles Study. Journal of Electronic Materials, 2017, 46, 4539-4556.	2.2	98

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109	First-principles calculations to investigate the structural, electronic and optical properties of Zn 1 â˜' x Mg x Te ternary alloys. Chinese Journal of Physics, 2017, 55, 1018-1031.	3.9	41
110	Optical properties of (Pb 1- x Mn x S) 1- y Fe y materials from first-principles calculations. Chinese Journal of Physics, 2017, 55, 1032-1043.	3.9	36
111	Aluminium nanoparticles size effect on the optical and structural properties of ZnO nanostructures synthesized by spin-coating technique. Results in Physics, 2017, 7, 1190-1197.	4.1	34
112	Hydrostatic pressure effects on the structural, elastic and thermodynamic properties of the complex transition metal hydrides A₂OsH₆ (Aâ€‰=â€‰Mg, Ca, Sr and Ba). High Pressure Research, 2017, 37, 558-578.	1.2	13
113	Etching time effect on optical properties of porous silicon for solar cells fabrication. Optik, 2017, 147, 343-349.	2.9	22
114	First-principles calculations of pressure and temperature dependence of thermodynamic properties of anti-perovskite BiNBa 3 compound. Chinese Journal of Physics, 2017, 55, 2144-2155.	3.9	118
115	GaNO colloidal nanoparticles synthesis by nanosecond pulsed laser ablation: Laser fluence dependent optical absorption and structural properties. Powder Technology, 2017, 320, 457-461.	4.2	42
116	Structural, Mechanical and Thermodynamic Properties under Pressure Effect of Rubidium Telluride: First Principle Calculations. Archives of Metallurgy and Materials, 2017, 62, 865-871.	0.6	41
117	Structural, morphological and electrical properties of Cd2+doped MgFe2-xO4 ferrite nanoparticles. Journal of Alloys and Compounds, 2017, 726, 179-186.	5.5	88
118	Structural, elastic and lattice dynamical properties of the alkali metal tellurides: First-principles study. Physica B: Condensed Matter, 2017, 521, 204-214.	2.7	83
119	Electronic and Magnetic Properties of Co2CrGa1â˜'x Si x Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2017, 30, 421-424.	1.8	46
120	Effective Synthesis of Silicon Carbide Nanotubes by Microwave Heating of Blended Silicon Dioxide and Multi-Walled Carbon Nanotube. Materials Research, 2017, 20, 1658-1668.	1.3	34
121	Effect of Cadmium Concentration on Structural, Optical, and Electrical Properties of Cu₂Zn_{1â˜'x}Cd_xSnS₄Quinternary Alloy Nanofibres, Synthesized by Electrospinning Technique. Journal of Nanomaterials, 2016, 2016, 1-11.	2.7	12
122	Cadmium effect on structural properties of Cu2Zn1-xCdxSnS4 quinternary alloys nanostructures. AIP Conference Proceedings, 2016, , .	0.4	3
123	Solar energy status in Iraq: Abundant or notâ€"Steps forward. Journal of Renewable and Sustainable Energy, 2016, 8, 025905.	2.0	21
124	Two symmetric n-type interfaces SrTiO3/LaAlO3 in perovskite: Electronic properties from density functional theory. Journal of Applied Physics, 2016, 119, .	2.5	50
125	Effects of Chemical Stirring Time on the Physical Properties for LiNbO3 Photonic Film Using of Optical Waveguide Applications. Procedia Chemistry, 2016, 19, 531-538.	0.7	6
126	Structural, electronic, elastic and thermodynamic properties of XFe4P12 (X = Tb and Dy) filled skutterudite using FP-LMTO method. Optik, 2016, 127, 7382-7393.	2.9	14

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127	First-Principle Investigation of Structural, Electronic and Magnetic Properties in Mn2RhZ (Z = Si, Ge,) Tj ETQq1 1 0.784314 rgBT /Over	1.8	80
128	Structural, elastic, thermodynamic and electronic properties of LuX (X = N, Bi and Sb) compounds: first principles calculations. Phase Transitions, 2016, 89, 1236-1252.	1.3	115
129	Fabrication, analysis and characterization of Cu2Zn1â^'x Cd x SnS4 quinternary alloy nanostructures deposited on GaN. Journal of Materials Science, 2016, 51, 6876-6885.	3.7	22
130	Structural, electronic, bonding and thermo-elastic properties of orthorhombic and cubic CeO 2 compound. Chinese Journal of Physics, 2016, 54, 1-11.	3.9	8
131	Structural, elastic, electronic and thermodynamic investigations of neptunium chalcogenides: First-principles calculations. Chinese Journal of Physics, 2016, 54, 33-41.	3.9	30
132	Characterization and analysis of wheat-like CdS nanostructures under temperature effect for solar cells applications. Optik, 2016, 127, 8907-8915.	2.9	23
133	First principle study of mechanical stability and thermodynamic properties of anti-fluorite Li 2 O and Rb 2 O under pressure and temperature effect. Chinese Journal of Physics, 2016, 54, 678-694.	3.9	39
134	Optoelectronic properties of naphtho[2, 1-b:6, 5-bâ€²]difuran derivatives for photovoltaic application: a computational study. Journal of Molecular Modeling, 2016, 22, 248.	1.8	24
135	Structural investigations through cobalt effect on ZnO nanostructures. Optik, 2016, 127, 10102-10107.	2.9	24
136	A novel quinternary alloy (Cu2Zn_{1â^'x}Cd_xSnS₄) nanostructured sensor for biomedical diagnosis. Materials Research Express, 2016, 3, 085022.	1.6	22
137	Investigated electronic structure and magnetic ordering of rare earth impurities (Eu, Gd) in ZnO. International Journal of Modern Physics B, 2016, 30, 1650225.	2.0	15
138	Optical analysis of lens-like Cu2CdSnS4 quaternary alloy nanostructures. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	22
139	Structural, electronic, optical and elastic properties of the complex K₂PtCl₆-structure hydridesARuH₆(A= Mg, Ca, Sr and) Tj ETQq1 1 0.784314 rgBT /O	1.6	37
140	Ultrasonic effect on optical, structural, topographical and morphological studies of Cu 2 CdSnS 4 quaternary alloy nanostructures. Journal of Alloys and Compounds, 2016, 686, 883-895.	5.5	37
141	Cell-targeting aptamers act as intracellular delivery vehicles. Applied Microbiology and Biotechnology, 2016, 100, 6955-6969.	3.6	19
142	Comparative study of Fe doped ZnO based diluted and condensed magnetic semiconductors in wurtzite and zinc-blende structures by first-principles calculations. Materials Science in Semiconductor Processing, 2016, 43, 123-128.	4.0	35
143	Realization and computational analysis of splitting in higher order optical vortices. Optik, 2016, 127, 5757-5760.	2.9	1
144	FP-LAPW investigation of mechanical and thermodynamic properties of X2O (X = Na and K) under pressure and temperature effects. Optik, 2016, 127, 5155-5162.	2.9	14

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145	Fabricated Optical Strip Waveguide of Nanophotonics Lithium Niobate. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	35
146	Electronic and Magnetic Properties of Cr2GeC with GGA + U Approximation. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1267-1272.	1.8	17
147	Structural, electronic, elastic, optical and thermodynamic properties of copper halides CuCl, CuBr and their ternary alloys CuCl1â^'Br (0.0 â‰¤â‰¤ 1.0) using full-potential linear muffin-tin orbital (FP-LMTO) method. Optik, 2016, 127, 4559-4573.	2.9	19
148	Synthesis, purification and microstructural characterization of nickel doped carbon nanotubes for spintronic applications. Ceramics International, 2016, 42, 5600-5606.	4.8	21
149	First-principles calculations of structural, elastic, thermodynamic, electronic and magnetic investigations of the filled skutterudite alloy UFe 4 Sb 12. Materials Science in Semiconductor Processing, 2016, 41, 102-108.	4.0	15
150	Structural, optical and electrical properties of Cu2Zn1â^'xCdxSnS4 quinternary alloys nanostructures deposited on porous silicon. Microsystem Technologies, 2016, 22, 2893-2900.	2.0	20
151	Annealing temperature effect on structural, optical, morphological and electrical properties of CdS/Si(100) nanostructures. Microsystem Technologies, 2016, 22, 2529-2541.	2.0	10
152	Investigating the Cherenkov light lateral distribution function for primary proton and iron nuclei in extensive air showers. Physics of Particles and Nuclei Letters, 2015, 12, 751-756.	0.4	2
153	Elastic and thermodynamic properties of the SiB2O4 (B=Mg, Zn and Cd) cubic spinels: An ab initio FP-LAPW study. Materials Science in Semiconductor Processing, 2015, 38, 192-202.	4.0	25
154	Chalcogenides-based quantum dots: Optical investigation using first-principles calculations. Materials Science in Semiconductor Processing, 2015, 39, 276-282.	4.0	59
155	Half-metallic ferromagnetism in Be1â^'x V x Te alloys: an Ab-initio study. Indian Journal of Physics, 2015, 89, 1251-1263.	1.8	24
156	Analytical investigations of CdS nanostructures for optoelectronic applications. Optik, 2015, 126, 5109-5114.	2.9	31
157	Investigations of structural, elastic, electronic and thermodynamic properties of lutetium filled skutterudite LuFe4P12 under pressure effect: FP-LMTO method. Materials Science-Poland, 2015, 33, 867-878.	1.0	1
158	FP-LAPW investigation of mechanical and thermodynamic properties of Na₂X (X = S and Se) under pressure and temperature effects. Materials Science-Poland, 2015, 33, 649-659.	1.0	11
159	Ab initio calculations of structural, elastic, electronic and thermodynamic properties of the cerium filled skutterudite CeRu4P12 under the effect of pressure. Materials Science-Poland, 2015, 33, 699-708.	1.0	8
160	Cadmium effect on optical properties of Cu2Zn1â^'xCdxSnS4 quinternary alloys nanostructures. Solar Energy, 2015, 114, 39-50.	6.1	53
161	Electronic and optical properties of the LiCdX (X = N, P, As and Sb) filled-tetrahedral compounds with the Tranâ€“Blaha modified Beckeâ€“Johnson density functional. Materials Research Bulletin, 2015, 64, 337-346.	5.2	9
162	Structural, mechanical and electronic properties of sodium based fluoroperovskites NaXF3 (X=Mg,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	79

#	Article	IF	Citations
163	Band gap behavior of scandium aluminum phosphide and scandium gallium phosphide ternary alloys and superlattices. Materials Science in Semiconductor Processing, 2015, 31, 493-500.	4.0	14
164	Ab initio method of optical investigations of CdS1âˆ'Te alloys under quantum dots diameter effect. Solar Energy, 2015, 115, 33-39.	6.1	50
165	Structural, electronic and thermodynamic properties of half-metallic Co2CrZ(Z=Ga, Ge and As) alloys: First-principles calculations. Materials Science in Semiconductor Processing, 2015, 38, 126-136.	4.0	19
166	Characterization of Cu₂Zn_{1-x}Cd_xSnS₄ Nanostructures. Advanced Materials Research, 2015, 1109, 171-175.	0.3	1
167	Structural Properties of Cu₂Zn_{1-x}Cd_xSnS₄ Nanostructures. Advanced Materials Research, 2015, 1109, 176-180.	0.3	0
168	Synthesis of SnO2 nanostructures employing Nd:YAG laser. Applied Physics A: Materials Science and Processing, 2015, 120, 725-730.	2.3	44
169	Structural, elastic, electronic and optical properties of the quaternary nitridogallate LiCaGaN2: First-principles study. Materials Science in Semiconductor Processing, 2015, 40, 64-76.	4.0	19
170	Structural, elastic, electronic and optical properties of new layered semiconductor BaGa2P2. Optical Materials, 2015, 46, 122-130.	3.6	8
171	Optical investigations of blue shift in ZnS quantum dots. Superlattices and Microstructures, 2015, 88, 662-667.	3.1	27
172	Predictive study of structural, electronic, magnetic and thermodynamic properties of XFeO₃ (X = Ag, Zr and Ru) multiferroic materials in cubic perovskite structure: first-principles calculations. Materials Science-Poland, 2015, 33, 402-413.	1.0	50
173	Optical investigations of photonics lithium niobate. Solar Energy, 2015, 120, 381-388.	6.1	48
174	First-principles calculations for optical investigations of PbX (X = S, Te) compounds under quantum dots diameter effect. Canadian Journal of Physics, 2015, 93, 1490-1494.	1.1	12
175	Optical investigation of nanophotonic lithium niobate-based optical waveguide. Applied Physics B: Lasers and Optics, 2015, 121, 107-116.	2.2	52
176	Physicochemical characterization of sewage sludge and green waste for agricultural utilization. Environmental Technology (United Kingdom), 2015, 36, 1594-1604.	2.2	20
177	First-principles calculations of a half-metallic ferromagnet zinc blende Zn 1âˆ'x V x Te. Journal of Magnetism and Magnetic Materials, 2015, 378, 41-49.	2.3	40
178	First-principles prediction of the structural, elastic, thermodynamic, electronic and optical properties of Li4Sr3Ge2N6 quaternary nitride. Journal of Alloys and Compounds, 2015, 618, 84-94.	5.5	22
179	LEFM to Investigate the Impact of Deteriorated Particles in Composite Material. , 2015, , .		1
180	Zinc Effect on Quantum Dots Potential of PbI₂ Nanostructures. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 705-710.	0.5	13

#	Article	IF	Citations
181	Study of Cherenkov light lateral distribution function around the knee region in extensive air showers. Serbian Astronomical Journal, 2015, , 79-85.	0.6	2
182	Extension of Cherenkov Light LDF Approximation for Yakutsk EAS Array. Journal of Astrophysics, 2014, 2014, 1-6.	0.4	5
183	Application of Gold Nanoparticles for Electrochemical DNA Biosensor. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	33
184	First-Principles Calculations of Structural, Electronic, Optical, and Thermodynamic Properties of CdS, CdTe and Their Ternary Alloys CdS_{1-x}Te_x(0.0 â‰¤ x â‰¤1.0). Acta Physica Polonica A, 2014, 125, 1110-1117.	0.5	19
185	Nitrogen Effect on the Frequency Shift in Indium-GaAsN Quantum Wells Laser. Journal of Physics: Conference Series, 2014, 553, 012009.	0.4	1
186	FP-LMTO study of structural, electronic, thermodynamic and optical properties of MgxCd1âˆ'x Se alloys. Materials Science-Poland, 2014, 32, 719-728.	1.0	4
187	First-principles investigation on structural, elastic, electronic and thermodynamic properties of filled skutterudite PrFe₄P₁₂compound for thermoelectric applications. Molecular Simulation, 2014, 40, 1236-1243.	2.0	20
188	Chalcogenide nanostructures: Topography, synthesis, properties, and applications. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	16
189	Structural and optical insights to enhance solar cell performance of CdS nanostructures. Energy Conversion and Management, 2014, 82, 238-243.	9.2	71
190	Electronic structure, Fermi surface topology and spectroscopic optical properties of LaBaCo2O5.5 compound. Journal of Magnetism and Magnetic Materials, 2014, 363, 133-139.	2.3	5
191	Morphology and optical investigations of ZnO pyramids and nanoflakes for optoelectronic applications. Optik, 2014, 125, 2560-2564.	2.9	31
192	Phase transition of Nowotnyâ€“Juza NaZnX (X=P, As and Sb) compounds at high pressure: Theoretical investigation of structural, electronic and vibrational properties. Computational Materials Science, 2014, 87, 187-197.	3.0	23
193	Structural and optical investigations of In doped ZnO binary compound. Materials Express, 2014, 4, 159-164.	0.5	14
194	Structural, elastic, electronic and optical properties of the newly synthesized monoclinic Zintl phase BaIn2P2. Solid State Sciences, 2014, 29, 12-23.	3.2	54
195	Optical investigations of ZnxCd1-xS nanostructures. Optik, 2014, 125, 6958-6961.	2.9	11
196	Optical properties of Cauliflower-like Bi 2 O 3 nanostructures by reactive pulsed laser deposition (PLD) technique. Solar Energy, 2014, 107, 523-529.	6.1	51
197	Structural, elastic, electronic and thermodynamic properties of uranium filled skutterudites UFe4P12: First principle method. Materials Science in Semiconductor Processing, 2014, 27, 368-379.	4.0	50
198	Review on the energy and renewable energy status in Iraq: The outlooks. Renewable and Sustainable Energy Reviews, 2014, 39, 816-827.	16.4	32

#	Article	IF	Citations
199	Structural and elastic properties of TiN and AlN compounds: first-principles study. Materials Science-Poland, 2014, 32, 220-227.	1.0	9
200	Structural, elastic, electronic, chemical bonding and optical properties of Cu-based oxides ACuO (A=Li, Na, K and Rb): An ab initio study. Computational Materials Science, 2014, 81, 561-574.	3.0	53
201	Ab initio study of the structural and optoelectronic properties of the half-Heusler CoCrZ (Z = Al, Ga). Canadian Journal of Physics, 2014, 92, 1105-1112.	1.1	60
202	Copper substitution effect on the structural properties of nickel ferrites. Ceramics International, 2014, 40, 14413-14419.	4.8	71
203	Ab initio calculations of structural, elastic, and thermodynamic properties of HoX (X=N, O, S and Se). Materials Science in Semiconductor Processing, 2014, 26, 205-217.	4.0	16
204	First-principle investigations of structural, electronic and thermodynamic properties of CdS_{1â€“<I>x</I>}Se<I>_x</I> ternary alloys: (0.0 <I>x</I> 1.0). Materials Express, 2014, 4, 521-532.	0.5	27
205	A study of extensive air shower characteristics by estimating depth of shower maximum using heitler toy model. , 2014, , .		2
206	Structural properties of Sb- and Te-based binary compounds: Spin-orbit effect. Materials Science-Poland, 2013, 31, 133-138.	1.0	3
207	Structural, elastic, electronic and thermodynamic properties of the filled skutterudite CeOs4Sb12 determined by density functional theory. Materials Science in Semiconductor Processing, 2013, 16, 1508-1516.	4.0	27
208	Structural and optoelectronic properties of NiTiX and CoVX (X = Sb and Sn) half-Heusler compounds: An ab initio study. Optik, 2013, 124, 570-574.	2.9	70
209	Elastic and thermodynamic properties of ZnSc2S4 and CdSc2S4 compounds under pressure and temperature effects. Computational Materials Science, 2013, 70, 107-113.	3.0	18
210	Modeling of Structural Properties of Hexagonal Semiconductors. Procedia Engineering, 2013, 53, 707-709.	1.2	2
211	Optical Properties of GaN Nanostructures for Optoelectronic Applications. Procedia Engineering, 2013, 53, 400-404.	1.2	14
212	Optoelectronic properties of GaAs and AlAs under temperature effect. Optik, 2013, 124, 2128-2130.	2.9	8
213	Characteristics of Nanostructure Silicon Photodiode using Laser Assisted Etching. Procedia Engineering, 2013, 53, 393-399.	1.2	12
214	Structural and optical properties of PbI2 nanostructures obtained using the thermal evaporation method. Canadian Journal of Physics, 2013, 91, 826-832.	1.1	9
215	FP-LMTO method to calculate the structural, thermodynamic and optoelectronic properties of Si_xGe_{1â^'}<i>_x</i>C alloys. Molecular Physics, 2013, 111, 3208-3217.	1.7	8
216	Electronic and optical properties of (Al x Ga1â^'x)1â^'y Mn y As single crystal: a new candidate for integrated optical isolators and spintronics. Journal of Materials Science, 2013, 48, 758-764.	3.7	11

#	Article	IF	Citations
217	Effect of Roughness of Hypo-and Hyper-Eutectic Al-Si Piston Alloy on Wear Characteristics under Lubrication. Procedia Engineering, 2013, 53, 616-623.	1.2	16
218	External temperature and pressure effects on thermodynamic properties and mechanical stability of yttrium chalcogenides YX (X=S, Se and Te). Physica B: Condensed Matter, 2013, 428, 78-88.	2.7	33
219	Structural investigation of Si0.5Ge0.5 alloy for optoelectronic applications: Ab initio study. Optik, 2013, 124, 5674-5678.	2.9	8
220	Structural, Analysis and Optical Studies of Cadmium Sulfide Nanostructured. Procedia Engineering, 2013, 53, 217-224.	1.2	22
221	XPS and optical studies of different morphologies of ZnO nanostructures prepared by microwave methods. Ceramics International, 2013, 39, 2283-2292.	4.8	819
222	Differential equations to calculate the ionicity factor of hexagonal structure semiconductors. Superlattices and Microstructures, 2013, 53, 24-30.	3.1	4
223	STUDY BY AES AND EELS OF InP, InSb, InPO₄ AND In_xGa_{1-x}As SUBMITTED TO ELECTRON IRRADIATION. Surface Review and Letters, 2012, 19, 1250002.	1.1	4
224	Investigated stiffness of high performance superconductivity with nanoceria incorporated into polycrystalline magnesium diboride. Micro and Nano Letters, 2012, 7, 867.	1.3	5
225	First-principle calculations to investigate the elastic and thermodynamic properties ofRBRh₃(Râ€‰=â€‰Sc, Y and La) perovskite compounds. Molecular Physics, 2012, 110, 121-128.	1.7	55
226	An ab initio density functional study of the optical functions of 9-Methyl-3-Thiophen-2-Yl-Thieno [3,2e] [1,2,4] Thriazolo [4,3c] Pyrimidine-8-Carboxylic Acid Ethyl Ester crystals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 582-588.	3.9	6
227	Investigation of the optical properties of Mg(OH)2 and MgO nanostructures obtained by microwave-assisted methods. Journal of Alloys and Compounds, 2012, 521, 71-76.	5.5	79
228	Structural and optical investigations of cadmium sulfide nanostructures for optoelectronic applications. Solar Energy, 2012, 86, 3234-3240.	6.1	47
229	Confirmation of bulk modulus model of IIIâ€“V compounds under pressure effect using tight-binding method. Optik, 2012, 123, 989-992.	2.9	8
230	Nano and micro porous GaN characterization using image processing method. Optik, 2012, 123, 1074-1078.	2.9	17
231	Characterisation, analysis and optical properties of nanostructure ZnO using the solâ€“gel method. Micro and Nano Letters, 2012, 7, 163.	1.3	32
232	Further optical properties of CdX (X=S, Te) compounds under quantum dot diameter effect: Ab initio method. Renewable Energy, 2012, 45, 232-236.	8.9	29
233	First-principles calculations to investigate optical properties of ByAlxIn1â^'xâ^'yN alloys for optoelectronic devices. Superlattices and Microstructures, 2012, 51, 404-411.	3.1	22
234	Density functional study of optical properties of beryllium chalcogenides compounds in nickel arsenide B8 structure. Physica B: Condensed Matter, 2012, 407, 286-296.	2.7	45

#	Article	IF	Citations
235	Structural and electronic properties of zinc blende BxAl1â^'xNyP1â^'y quaternary alloys via ï¬rst-principle calculations. Physica B: Condensed Matter, 2012, 407, 426-432.	2.7	13
236	First-principles calculations of the structural, electronic and optical properties of cubic BxGa1â^'xAs alloys. Physica B: Condensed Matter, 2012, 407, 1292-1300.	2.7	20
237	Structural and electronic properties of GaN x As1â^'x alloys. Applied Physics A: Materials Science and Processing, 2012, 106, 687-696.	2.3	31
238	Calculated optical properties of GaX (X=P, As, Sb) under hydrostatic pressure. Applied Physics A: Materials Science and Processing, 2011, 104, 1159-1167.	2.3	32
239	New optical features to enhance solar cell performance based on porous silicon surfaces. Applied Surface Science, 2011, 257, 6112-6117.	6.1	73
240	Investigated optical and elastic properties of Porous silicon: Theoretical study. Materials & Design, 2011, 32, 4088-4093.	5.1	18
241	Investigated optical studies of Si quantum dot. Solar Energy, 2011, 85, 2283-2287.	6.1	21
242	Stiffness properties of porous silicon nanowires fabricated by electrochemical and laser-induced etching. Superlattices and Microstructures, 2011, 50, 119-127.	3.1	20
243	Electronic and Positron Properties of Zinc-Blende MgTe, CdTe and their Alloy Mg_{1-X}Cd_XTe. Advanced Materials Research, 2011, 264-265, 580-585.	0.3	2
244	An ab initio study of the electronic structure and optical properties of CdS1â^'Te alloys. Solar Energy, 2010, 84, 1979-1984.	6.1	63
245	Electronic properties of orthorhombic LiGaS2 and LiGaSe2. Applied Physics A: Materials Science and Processing, 2009, 94, 315-320.	2.3	27
246	Structural, elastic, electronic, optical and thermal properties of c-SiGe2N4. European Physical Journal B, 2009, 71, 185-194.	1.5	11
247	FP-APW+lo calculations of the elastic properties in zinc-blende III-P compounds under pressure effects. Computational Materials Science, 2009, 45, 474-479.	3.0	137
248	Pressure Effect on Si Quantum-Dot Potential. , 2009, , .		0
249	Optical investigations using ultra-soft pseudopotential calculations of Si0.5Ge0.5 alloy. Solid State Communications, 2008, 148, 521-524.	1.9	59
250	First-principles calculations of the elastic, electronic, and optical properties of the filled skutteruditesCeFe4P12andThFe4P12. Physical Review B, 2007, 75, .	3.2	66
251	Correlation between the Bulk Modulus and the Metallicity in Semiconductors. Research Letters in Materials Science, 2007, 2007, 1-3.	0.2	2
252	First-principle study of structural, electronic and elastic properties of beryllium chalcogenides BeS, BeSe and BeTe. Computational Materials Science, 2006, 37, 292-299.	3.0	80

#	Article	IF	Citations
253	Full-potential calculations of structural, elastic and electronic properties of MgAl2O4 and ZnAl2O4 compounds. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 344, 271-279.	2.1	73
254	Correlation between the bulk modulus and the transition pressure in semiconductors. Materials Letters, 2005, 59, 2032-2034.	2.6	32
255	Empirical formula relating the bulk modulus to the lattice constant in tetrahedral semiconductors. Materials Chemistry and Physics, 2004, 87, 14-17.	4.0	36
256	Empirical pseudopotential study of electronic, positron, and structural properties of Ga1â^'xAlxN. Materials Chemistry and Physics, 2004, 88, 339-347.	4.0	7
257	Structural phase transition of boron nitride compound. Solid State Communications, 2004, 132, 465-470.	1.9	25
258	The pressure effect of the bulk modulus seen by the charge density in CdX compounds. Materials Chemistry and Physics, 2003, 78, 625-629.	4.0	26
259	Pressure effect on electronic band structure of IIIâ€“V compounds. Materials Chemistry and Physics, 2003, 80, 34-38.	4.0	9
260	Electronic and optical properties of Zn Cd1â^'Se. Materials Chemistry and Physics, 2003, 82, 49-54.	4.0	51
261	Pressure effect on electronic and positron charge densities of Zn0.5Cd0.5Se. Physica B: Condensed Matter, 2003, 325, 362-371.	2.7	5
262	Calculation of structural, optical and electronic properties of ZnS, ZnSe, MgS, MgSe and their quaternary alloy Mg1â^'xZnxSySe1â^'y. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 163-171.	3.5	83
263	Effect of spin orbit on the electronic properties of zinc-blende compounds. Journal of Applied Physics, 2003, 94, 4502-4506.	2.5	18
264	Electronic and positron properties of zinc-blende structure of GaN, AlN, and their alloy Ga1â^'xAlxN. Journal of Applied Physics, 2003, 93, 9730-9736.	2.5	23
265	Calculation of bulk moduli of semiconductor compounds. Physica B: Condensed Matter, 2002, 322, 179-182.	2.7	32
266	The effect of pressure on the ionicity of Inâ€“V compounds. Physica B: Condensed Matter, 2002, 324, 173-178.	2.7	12
267	Correlation between the ionicity character and the heteropolar band gap in semiconductors. Physica B: Condensed Matter, 2001, 301, 295-298.	2.7	45
268	Correlation between the bulk modulus and the charge density in semiconductors. Physica B: Condensed Matter, 2001, 305, 186-190.	2.7	39
269	The Pressure Effect of the Bulk Modulus Seen by the Charge Density in InX Compounds. Acta Crystallographica Section A: Foundations and Advances, 2000, 56, s212-s212.	0.3	0
270	Some empirical formulas for calculating the ionicity character in semiconductors. Materials Chemistry and Physics, 2000, 65, 117-119.	4.0	10

#	Article	IF	Citations
271	Optical Properties of Si Quantum Dot Potential under Pressure Effect. Advanced Materials Research, 0, 545, 32-37.	0.3	0
272	Structural and Morphological Studies of Cadmium Sulfide Nanostructures. Advanced Materials Research, 0, 795, 228-232.	0.3	3
273	Influence of Current Density on Porous Silicon Characteristics. Advanced Materials Research, 0, 795, 219-222.	0.3	0
274	Analysis and Structural Investigations of CdS/Quartz Nanostructures. Advanced Materials Research, 0, 925, 374-378.	0.3	2
275	Spin Coating Effect on Structural and Morphological Properties for CdS/Glass Nanostructures. Advanced Materials Research, 0, 925, 175-179.	0.3	0
276	Thermal Degradation of Plastic Wastes (PP, LDPE) Using Metal Particles, Metal Oxides and Metal Nano Particles as a Catalyst. Advanced Materials Research, 0, 925, 359-363.	0.3	2
277	Removal of Benzene from Aqueous Solution Using Carbon Nanotube Synthesized from Fuel Oil Waste. Advanced Materials Research, 0, 925, 105-109.	0.3	2
278	Nanocoral PbS Films Schottky Solar Cell. Advanced Materials Research, 0, 925, 605-609.	0.3	3
279	Evaluation of the Hourly Global Solar Radiation on a Horizontal Plane for Two Sites in Algeria. Advanced Materials Research, 0, 925, 641-645.	0.3	1
280	Structural Properties of PbI₂ Thin Film. Advanced Materials Research, 0, 879, 175-179.	0.3	2
281	Structural Properties of Zn-PbI₂Nanostructures. Advanced Materials Research, 0, 925, 164-168.	0.3	1
282	Characterization of Nanostructured Heterojunction Solar Cells of CdS/Cd_{2x}(CuIn)_{1-x}S₂ Grown by Chemical Spray Pyrolysis. Advanced Materials Research, 0, 925, 585-589.	0.3	3
283	Modeling of the Electronic Properties of Hexagonal Semiconductors. Advanced Materials Research, 0, 925, 364-368.	0.3	0
284	Study of TiO₂ Energy Gap Based Temperature Annealing for High Performance Solar Cells. Applied Mechanics and Materials, 0, 793, 425-429.	0.2	0
285	Effect of Copper Concentration on the Optical Properties of Cu₂Zn_{0.8}Cd_{0.2}SnS₄ Pentrary Alloy Nanostructures. Advanced Materials Research, 0, 1115, 373-377.	0.3	2
286	XRD Analysis and Morphological Studies of Spin Coated LiNbO₃ Nano Photonic Crystal Prepared for Optical Waveguide Application. Advanced Materials Research, 0, 1133, 457-461.	0.3	20
287	Covid-19 and Nanotechnology. , 0, , .		0