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	XPS and optical studies of different morphologies of ZnO nanostructures prepared by microwave methods. Ceramics International, 2013, 39, 2283-2292.	4.8	819
2	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
3	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
4	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
5	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
6	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
7	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
8	First-principles calculations to investigate structural and thermodynamic properties of Ni2LaZ (Zâ€‰=â€‰As,) Tj ETQq0 0 0 rgBT /Over	1.8	121
9	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
10	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
11	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
12	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
13	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
14	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
15	Electronic and thermoelectric properties of the layered Zintl phase CaIn₂P₂: first-principles calculations. Philosophical Magazine, 2020, 100, 3023-3039.	1.6	105
16	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
17	Elastic, electronic, optical and thermodynamic properties of Ba3Ca2Si2N6 semiconductor: First-principles predictions. Physica B: Condensed Matter, 2020, 589, 412213.	2.7	100
18	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

#	Article	IF	Citations
19	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
20	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
21	Challenges in improving the performance of eddy current testing: Review. Measurement and Control, 2019, 52, 46-64.	1.8	90
22	Structural, morphological and electrical properties of Cd2+doped MgFe2-xO4 ferrite nanoparticles. Journal of Alloys and Compounds, 2017, 726, 179-186.	5.5	88
23	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
24	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
25	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
26	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
27	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
28	First-Principle Investigation of Structural, Electronic and Magnetic Properties in Mn2RhZ (Z = Si, Ge,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	80
29	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
30	Structural, mechanical and electronic properties of sodium based fluoroperovskites NaXF3 (X=Mg,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	79
31	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
32	Elastic, electronic, optical and thermoelectric properties of the novel Zintl-phase Ba2ZnP2. Solid State Sciences, 2022, 128, 106893.	3.2	75
33	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
34	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
35	New optical features to enhance solar cell performance based on porous silicon surfaces. Applied Surface Science, 2011, 257, 6112-6117.	6.1	73
36	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

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37	Structural and optical insights to enhance solar cell performance of CdS nanostructures. Energy Conversion and Management, 2014, 82, 238-243.	9.2	71
38	Copper substitution effect on the structural properties of nickel ferrites. Ceramics International, 2014, 40, 14413-14419.	4.8	71
39	Theoretical investigations of structural, mechanical, electronic and optical properties of NaScSi alloy. Emergent Materials, 2021, 4, 1465-1477.	5.7	71
40	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
41	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
42	First-principles calculations of the elastic, electronic, and optical properties of the filled skutteruditesCeFe4P12andThFe4P12. Physical Review B, 2007, 75, .	3.2	66
43	Investigation of the Structural, Elastic, Electronic, and Optical Properties of Half-Heusler CaMgZ (Z =) Tj ETQq1 1 0.784314 rgBT /Ove	2.2	65
44	An ab initio study of the electronic structure and optical properties of CdS1â^'Te alloys. Solar Energy, 2010, 84, 1979-1984.	6.1	63
45	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
46	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
47	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
48	Optical investigations using ultra-soft pseudopotential calculations of Si0.5Ge0.5 alloy. Solid State Communications, 2008, 148, 521-524.	1.9	59
49	Chalcogenides-based quantum dots: Optical investigation using first-principles calculations. Materials Science in Semiconductor Processing, 2015, 39, 276-282.	4.0	59
50	Structural, dielectric and low temperature magnetic response of Zn doped cobalt ferrite nanoparticles. AIP Advances, 2019, 9, .	1.3	58
51	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
52	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
53	Structural, elastic, electronic and optical properties of the newly synthesized monoclinic Zintl phase BaIn2P2. Solid State Sciences, 2014, 29, 12-23.	3.2	54
54	Ab initio study of the pressure dependence of mechanical and thermodynamic properties of GeB2O4 (B) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	54

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55	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
56	Cadmium effect on optical properties of Cu2Zn1âˆ'xCdxSnS4 quinternary alloys nanostructures. Solar Energy, 2015, 114, 39-50.	6.1	53
57	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
58	Optical investigation of nanophotonic lithium niobate-based optical waveguide. Applied Physics B: Lasers and Optics, 2015, 121, 107-116.	2.2	52
59	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
60	Electronic and optical properties of Zn Cd1âˆ'Se. Materials Chemistry and Physics, 2003, 82, 49-54.	4.0	51
61	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
62	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
63	Ab initio method of optical investigations of CdS1âˆ'Te alloys under quantum dots diameter effect. Solar Energy, 2015, 115, 33-39.	6.1	50
64	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
65	Two symmetric n-type interfaces SrTiO3/LaAlO3 in perovskite: Electronic properties from density functional theory. Journal of Applied Physics, 2016, 119, .	2.5	50
66	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
67	Optical investigations of photonics lithium niobate. Solar Energy, 2015, 120, 381-388.	6.1	48
68	Structural and optical investigations of cadmium sulfide nanostructures for optoelectronic applications. Solar Energy, 2012, 86, 3234-3240.	6.1	47
69	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
70	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
71	Electronic and Magnetic Properties of Co2CrGa1âˆ'x Si x Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2017, 30, 421-424.	1.8	46
72	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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73	Correlation between the ionicity character and the heteropolar band gap in semiconductors. Physica B: Condensed Matter, 2001, 301, 295-298.	2.7	45
74	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
75	Synthesis of SnO2 nanostructures employing Nd:YAG laser. Applied Physics A: Materials Science and Processing, 2015, 120, 725-730.	2.3	44
76	Stirrer time effect on optical properties of nanophotonic LiNbO3. Materials Chemistry and Physics, 2018, 203, 243-248.	4.0	43
77	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
78	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
79	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
80	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
81	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
82	Effect of stirring time on the structural parameters of nanophotonic LiNbO3 deposited by spin-coating technique. Optik, 2018, 156, 886-890.	2.9	40
83	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
84	Correlation between the bulk modulus and the charge density in semiconductors. Physica B: Condensed Matter, 2001, 305, 186-190.	2.7	39
85	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
86	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
87	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
88	Empirical formula relating the bulk modulus to the lattice constant in tetrahedral semiconductors. Materials Chemistry and Physics, 2004, 87, 14-17.	4.0	36
89	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
90	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

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91	Fabricated Optical Strip Waveguide of Nanophotonics Lithium Niobate. IEEE Photonics Journal, 2016, 8, 1-10.	2.0	35
92	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
93	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
94	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
95	Application of Gold Nanoparticles for Electrochemical DNA Biosensor. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	33
96	Calculation of bulk moduli of semiconductor compounds. Physica B: Condensed Matter, 2002, 322, 179-182.	2.7	32
97	Correlation between the bulk modulus and the transition pressure in semiconductors. Materials Letters, 2005, 59, 2032-2034.	2.6	32
98	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
99	Characterisation, analysis and optical properties of nanostructure ZnO using the solâ€“gel method. Micro and Nano Letters, 2012, 7, 163.	1.3	32
100	Review on the energy and renewable energy status in Iraq: The outlooks. Renewable and Sustainable Energy Reviews, 2014, 39, 816-827.	16.4	32
101	Structural and Optical Properties of Nanophotonic LiNbO3 under Stirrer Time Effect. Journal of Optical Communications, 2018, 39, 297-306.	4.7	32
102	Nanosecond pulsed laser ablation to synthesize GaO colloidal nanoparticles: Optical and structural properties. Optik, 2019, 178, 337-342.	2.9	32
103	Structural and electronic properties of GaN x As1â^'x alloys. Applied Physics A: Materials Science and Processing, 2012, 106, 687-696.	2.3	31
104	Morphology and optical investigations of ZnO pyramids and nanoflakes for optoelectronic applications. Optik, 2014, 125, 2560-2564.	2.9	31
105	Analytical investigations of CdS nanostructures for optoelectronic applications. Optik, 2015, 126, 5109-5114.	2.9	31
106	Synthesis of carbonâ€based quantum dots from starch extracts: Optical investigations. Luminescence, 2018, 33, 260-266.	2.9	31
107	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
108	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

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109	Structural, elastic, electronic and thermodynamic investigations of neptunium chalcogenides: First-principles calculations. Chinese Journal of Physics, 2016, 54, 33-41.	3.9	30
110	Recent Progress in the Development of Biosensors for Chemicals and Pesticides Detection. IEEE Access, 2020, 8, 82514-82527.	4.2	30
111	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
112	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
113	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
114	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
115	First-principles calculations of structural, elastic, electronic, and optical properties of CaYP (Y = Cu,) Tj ETQq1 1 0.784314 rgBT /Overlo	5.7	28
116	Electronic properties of orthorhombic LiGaS2 and LiGaSe2. Applied Physics A: Materials Science and Processing, 2009, 94, 315-320.	2.3	27
117	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
118	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
119	Optical investigations of blue shift in ZnS quantum dots. Superlattices and Microstructures, 2015, 88, 662-667.	3.1	27
120	Synthesis and Characterization of Cu2CdSnS4 Quaternary Alloy Nanostructures. International Journal of Electrochemical Science, 2018, 13, 6693-6707.	1.3	27
121	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
122	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
123	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
124	Structural phase transition of boron nitride compound. Solid State Communications, 2004, 132, 465-470.	1.9	25
125	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
126	Analysis and characterization of Cu2CdSnS4 quaternary alloy nanostructures deposited on GaN. Indian Journal of Physics, 2018, 92, 695-703.	1.8	25

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127	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
128	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
129	Structural investigations through cobalt effect on ZnO nanostructures. Optik, 2016, 127, 10102-10107.	2.9	24
130	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
131	Effect of nitrogen doping on structural and optical properties of MgxZn1-xO ternary alloys. Optical Materials, 2019, 89, 554-558.	3.6	24
132	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
133	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
134	Characterization and analysis of wheat-like CdS nanostructures under temperature effect for solar cells applications. Optik, 2016, 127, 8907-8915.	2.9	23
135	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
136	Structural, Analysis and Optical Studies of Cadmium Sulfide Nanostructured. Procedia Engineering, 2013, 53, 217-224.	1.2	22
137	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
138	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
139	A novel quinternary alloy (Cu2Zn_{1â^'x}Cd_xSnS₄) nanostructured sensor for biomedical diagnosis. Materials Research Express, 2016, 3, 085022.	1.6	22
140	Optical analysis of lens-like Cu2CdSnS4 quaternary alloy nanostructures. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	22
141	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
142	Etching time effect on optical properties of porous silicon for solar cells fabrication. Optik, 2017, 147, 343-349.	2.9	22
143	Investigated optical studies of Si quantum dot. Solar Energy, 2011, 85, 2283-2287.	6.1	21
144	Solar energy status in Iraq: Abundant or notâ€”Steps forward. Journal of Renewable and Sustainable Energy, 2016, 8, 025905.	2.0	21

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145	Synthesis, purification and microstructural characterization of nickel doped carbon nanotubes for spintronic applications. Ceramics International, 2016, 42, 5600-5606.	4.8	21
146	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
147	Stiffness properties of porous silicon nanowires fabricated by electrochemical and laser-induced etching. Superlattices and Microstructures, 2011, 50, 119-127.	3.1	20
148	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
149	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
150	Physicochemical characterization of sewage sludge and green waste for agricultural utilization. Environmental Technology (United Kingdom), 2015, 36, 1594-1604.	2.2	20
151	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
152	Structural, optical and electrical properties of Cu2Zn1â^'xCdxSnS4 quinternary alloys nanostructures deposited on porous silicon. Microsystem Technologies, 2016, 22, 2893-2900.	2.0	20
153	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
154	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
155	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
156	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
157	Cell-targeting aptamers act as intracellular delivery vehicles. Applied Microbiology and Biotechnology, 2016, 100, 6955-6969.	3.6	19
158	Structural, electronic, elastic, optical and thermodynamic properties of copper halides CuCl, CuBr and their ternary alloys CuCl1â^'Br (0.0 â‰¤xâ‰¤ 1.0) using full-potential linear muffin-tin orbital (FP-LMTO) method. Optik, 2016, 127, 4559-4573.	2.9	19
159	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
160	Review of the renewable energy outlook in Saudi Arabia. Journal of Renewable and Sustainable Energy, 2019, 11, .	2.0	19
161	Effect of spin orbit on the electronic properties of zinc-blende compounds. Journal of Applied Physics, 2003, 94, 4502-4506.	2.5	18
162	Investigated optical and elastic properties of Porous silicon: Theoretical study. Materials & Design, 2011, 32, 4088-4093.	5.1	18

#	Article	IF	Citations
163	Elastic and thermodynamic properties of ZnSc2S4 and CdSc2S4 compounds under pressure and temperature effects. Computational Materials Science, 2013, 70, 107-113.	3.0	18
164	Nano and micro porous GaN characterization using image processing method. Optik, 2012, 123, 1074-1078.	2.9	17
165	Structural, electronic, optical and elastic properties of the complex K₂PtCl₆-structure hydridesARuH₆(A= Mg, Ca, Sr and) Tj ETQq1 1 0.784314 rgBT		
166	Electronic and Magnetic Properties of Cr2GeC with GGA + U Approximation. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1267-1272.	1.8	17
167	Structural, elastic, electronic, optical and thermoelectric properties of the Zintl-phase Ae₃AlAs₃ (Ae = Sr, Ba). Philosophical Magazine, 2018, 98, 1217-1240.	1.6	17
168	Synthesis, Characterization, and Analysis of Hybrid Carbon Nanotubes by Chemical Vapor Deposition: Application for Aluminum Removal. Polymers, 2020, 12, 1305.	4.5	17
169	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
170	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
171	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
172	Chalcogenide nanostructures: Topography, synthesis, properties, and applications. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	16
173	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
174	Annealing temperature effect on structural and optical investigations of Fe2O3 nanostructure. Journal of Materials Research and Technology, 2019, 8, 2164-2169.	5.8	16
175	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
176	Electronic and magnetic investigation of half-metallic ferrimagnetic full-Heusler Mn2IrGe. Emergent Materials, 2021, 4, 1745-1760.	5.7	16
177	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
178	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
179	Optical Properties of GaN Nanostructures for Optoelectronic Applications. Procedia Engineering, 2013, 53, 400-404.	1.2	14
180	Structural and optical investigations of In doped ZnO binary compound. Materials Express, 2014, 4, 159-164.	0.5	14

#	Article	IF	Citations
181	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
182	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
183	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
184	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
185	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
186	Structural and electronic properties of zinc blende BxAl1âˆ'xNyP1âˆ'y quaternary alloys via ï¬rst-principle calculations. Physica B: Condensed Matter, 2012, 407, 426-432.	2.7	13
187	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
188	Zinc Effect on Quantum Dots Potential of PbI₂ Nanostructures. Journal of Nanoelectronics and Optoelectronics, 2015, 10, 705-710.	0.5	13
189	The effect of pressure on the ionicity of Inâ€“V compounds. Physica B: Condensed Matter, 2002, 324, 173-178.	2.7	12
190	Characteristics of Nanostructure Silicon Photodiode using Laser Assisted Etching. Procedia Engineering, 2013, 53, 393-399.	1.2	12
191	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
192	Effect of Cadmium Concentration on Structural, Optical, and Electrical Properties of Cu₂Zn_{1âˆ'x}Cd_xSnS₄Quinternary Alloy Nanofibres, Synthesized by Electrospinning Technique. Journal of Nanomaterials, 2016, 2016, 1-11.	2.7	12
193	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
194	Temperature effect to investigate optical and structural properties of AZO nanostructures for optoelectronics. Bulletin of Materials Science, 2021, 44, 1.	1.7	12
195	Structural, elastic, electronic, optical and thermal properties of c-SiGe2N4. European Physical Journal B, 2009, 71, 185-194.	1.5	11
196	Electronic and optical properties of (Al x Ga1âˆ'x)1âˆ'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
197	Optical investigations of ZnxCd1-xS nanostructures. Optik, 2014, 125, 6958-6961.	2.9	11
198	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

#	Article	IF	Citations
199	Hybrid GMR/IR probe to reduce the effects of lift-off. Measurement and Control, 2019, 52, 588-598.	1.8	11
200	Raman spectroscopy and FTIR spectroscopy studies of Mn-doped CdSe QDs at different particles size. Optik, 2019, 179, 628-631.	2.9	11
201	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
202	Some empirical formulas for calculating the ionicity character in semiconductors. Materials Chemistry and Physics, 2000, 65, 117-119.	4.0	10
203	Annealing temperature effect on structural, optical, morphological and electrical properties of CdS/Si(100) nanostructures. Microsystem Technologies, 2016, 22, 2529-2541.	2.0	10
204	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
205	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
206	Transition metals doped In₂S₃ nanostructure: structural and optical features. Materials Research Express, 2019, 6, 125914.	1.6	10
207	Pressure effect on electronic band structure of IIIâ€“V compounds. Materials Chemistry and Physics, 2003, 80, 34-38.	4.0	9
208	Structural and optical properties of PbI2 nanostructures obtained using the thermal evaporation method. Canadian Journal of Physics, 2013, 91, 826-832.	1.1	9
209	Structural and elastic properties of TiN and AlN compounds: first-principles study. Materials Science-Poland, 2014, 32, 220-227.	1.0	9
210	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
211	Synthesis of silicon carbide nanomaterials by microwave heating: Effect of types of carbon nanotubes. Solid State Sciences, 2019, 98, 106023.	3.2	9
212	Temperature and doping effects on the transport properties of SrIn2P2 Zintl compound. Journal of Alloys and Compounds, 2020, 815, 152384.	5.5	9
213	Confirmation of bulk modulus model of IIIâ€“V compounds under pressure effect using tight-binding method. Optik, 2012, 123, 989-992.	2.9	8
214	Optoelectronic properties of GaAs and AlAs under temperature effect. Optik, 2013, 124, 2128-2130.	2.9	8
215	FP-LMTO method to calculate the structural, thermodynamic and optoelectronic properties of Si_xGe_{1â^'}_xC alloys. Molecular Physics, 2013, 111, 3208-3217.	1.7	8
216	Structural investigation of Si0.5Ge0.5 alloy for optoelectronic applications: Ab initio study. Optik, 2013, 124, 5674-5678.	2.9	8

#	Article	IF	Citations
217	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
218	Structural, elastic, electronic and optical properties of new layered semiconductor BaGa2P2. Optical Materials, 2015, 46, 122-130.	3.6	8
219	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
220	Empirical pseudopotential study of electronic, positron, and structural properties of Ga1â^'xAlxN. Materials Chemistry and Physics, 2004, 88, 339-347.	4.0	7
221	Uniformity improvement by integrated electrochemical-plating process for CMOS logic technologies. Journal of Manufacturing Processes, 2019, 38, 422-431.	5.9	7
222	Nanosecond pulsed laser ablation to synthesize ternary alloy colloidal nanoparticles. , 2020, , 25-38.		7
223	An ab initio density functional study of the optical functions of 9-Methyl-3-Thiophen-2-YI-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
224	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
225	Optical structure modification induced by lattice strain in Mn-doped CdSe QDs. Optical Materials, 2018, 86, 441-448.	3.6	6
226	First-principle Calculations to Investigate Electronic And Optical Properties of MgO Monolayer. Materials Express, 2019, 9, 166-172.	0.5	6
227	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
228	Pressure effect on electronic and positron charge densities of Zn0.5Cd0.5Se. Physica B: Condensed Matter, 2003, 325, 362-371.	2.7	5
229	Investigated stiffness of high performance superconductivity with nanoceria incorporated into polycrystalline magnesium diboride. Micro and Nano Letters, 2012, 7, 867.	1.3	5
230	Extension of Cherenkov Light LDF Approximation for Yakutsk EAS Array. Journal of Astrophysics, 2014, 2014, 1-6.	0.4	5
231	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
232	ZnO nanostructures: analysis and characterization by the electrospinning technique. Emergent Materials, 2020, 3, 947-953.	5.7	5
233	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
234	Nanomaterial-based biosensors for COVID-19 detection. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 955-978.	12.3	5

#	Article	IF	Citations
235	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
236	Differential equations to calculate the ionicity factor of hexagonal structure semiconductors. Superlattices and Microstructures, 2013, 53, 24-30.	3.1	4
237	FP-LMTO study of structural, electronic, thermodynamic and optical properties of MgxCd1â^'x Se alloys. Materials Science-Poland, 2014, 32, 719-728.	1.0	4
238	Lubricated Conditions Imposed on Coating Multi-layer on Wear Resistance Under Cr2O3 Effect. Materials Research, 2018, 21, .	1.3	4
239	Thickness effect of ZnO/PPC gas sensor on the sensing properties of NO2 gas. AIP Conference Proceedings, 2019, , .	0.4	4
240	Nanoelectronics in Biosensing Applications. , 2019, , 211-224.		4
241	Metal oxides in electronics. , 2020, , 263-278.		4
242	The effect of Cu/In molar ratio on the analysis and characterization of CuInS2 nanostructures. Emergent Materials, 2021, 4, 413-422.	5.7	4
243	Surface tension under magnetic field effect for nanoscaled water. European Physical Journal Plus, 2021, 136, 1.	2.6	4
244	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
245	Fabrication of Cu₂O Nanostructured Thin Film by Anodizing. Materials Science-Poland, 2018, 36, 209-216.	1.0	4
246	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
247	Structural properties of Sb- and Te-based binary compounds: Spin-orbit effect. Materials Science-Poland, 2013, 31, 133-138.	1.0	3
248	Structural and Morphological Studies of Cadmium Sulfide Nanostructures. Advanced Materials Research, 0, 795, 228-232.	0.3	3
249	Nanocoral PbS Films Schottky Solar Cell. Advanced Materials Research, 0, 925, 605-609.	0.3	3
250	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
251	Cadmium effect on structural properties of Cu2Zn1-xCdxSnS4 quinternary alloys nanostructures. AIP Conference Proceedings, 2016, , .	0.4	3
252	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

#	Article	IF	Citations
253	Physical studies of metal oxide powders. , 2020, , 1-15.		3
254	Correlation between the Bulk Modulus and the Metallicity in Semiconductors. Research Letters in Materials Science, 2007, 2007, 1-3.	0.2	2
255	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
256	Modeling of Structural Properties of Hexagonal Semiconductors. Procedia Engineering, 2013, 53, 707-709.	1.2	2
257	Analysis and Structural Investigations of CdS/Quartz Nanostructures. Advanced Materials Research, 0, 925, 374-378.	0.3	2
258	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
259	Removal of Benzene from Aqueous Solution Using Carbon Nanotube Synthesized from Fuel Oil Waste. Advanced Materials Research, 0, 925, 105-109.	0.3	2
260	Structural Properties of PbI₂ Thin Film. Advanced Materials Research, 0, 879, 175-179.	0.3	2
261	A study of extensive air shower characteristics by estimating depth of shower maximum using heitler toy model. , 2014, , .		2
262	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
263	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
264	Study of Cherenkov light lateral distribution function around the knee region in extensive air showers. Serbian Astronomical Journal, 2015, , 79-85.	0.6	2
265	Nitrogen Effect on the Frequency Shift in Indium-GaAsN Quantum Wells Laser. Journal of Physics: Conference Series, 2014, 553, 012009.	0.4	1
266	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
267	Structural Properties of Zn-PbI₂Nanostructures. Advanced Materials Research, 0, 925, 164-168.	0.3	1
268	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
269	Characterization of Cu₂Zn_{1-x}Cd_xSnS₄ Nanostructures. Advanced Materials Research, 2015, 1109, 171-175.	0.3	1
270	Realization and computational analysis of splitting in higher order optical vortices. Optik, 2016, 127, 5757-5760.	2.9	1

#	Article	IF	Citations
271	Nucleic Acid Complementation Analysis on Biosensors. , 2019, , 95-115.		1
272	Production of powder-activated carbon from natural resources. , 2021, , 277-299.		1
273	LEFM to Investigate the Impact of Deteriorated Particles in Composite Material. , 2015, , .		1
274	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
275	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
276	Pressure Effect on Si Quantum-Dot Potential. , 2009, , .		0
277	Optical Properties of Si Quantum Dot Potential under Pressure Effect. Advanced Materials Research, 0, 545, 32-37.	0.3	0
278	Influence of Current Density on Porous Silicon Characteristics. Advanced Materials Research, 0, 795, 219-222.	0.3	0
279	Spin Coating Effect on Structural and Morphological Properties for CdS/Glass Nanostructures. Advanced Materials Research, 0, 925, 175-179.	0.3	0
280	Modeling of the Electronic Properties of Hexagonal Semiconductors. Advanced Materials Research, 0, 925, 364-368.	0.3	0
281	Study of TiO₂ Energy Gap Based Temperature Annealing for High Performance Solar Cells. Applied Mechanics and Materials, 0, 793, 425-429.	0.2	0
282	Structural Properties of Cu₂Zn_{1-x}Cd_xSnS₄ Nanostructures. Advanced Materials Research, 2015, 1109, 176-180.	0.3	0
283	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
284	Fabrication, analysis and characterization of CCTS based device using interdigitated electrodes for bioenergy applications. , 2018, , .		0
285	Effect of annealing temperature on the analysis and characterization of Cu2Zn0.6Cd0.4SnS4 quinternary alloy nanostructures deposited on silicon substrate. , 2019, , .		0
286	Fabrication and analysis of starch-based green materials. , 2021, , 301-318.		0
287	Covid-19 and Nanotechnology. , 0, , .		0