Sikander Azam

List of Publications by Year
in descending order

121	1,204	471509	610901
papers	citations	17 h-index	24 g-index

124	124	124	828
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of structural, electronic and optical properties of potassium and lithium based ternary Selenoindate: Using first principles approach. Journal of Solid State Chemistry, 2021, 293, 121778.	2.9	42
2	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
3	Revealing the optoelectronic and thermoelectric properties of the Zintl quaternary arsenides ACdGeAs2 (A = K, Rb). Materials Research Bulletin, 2015, 70, 847-855.	5.2	39
4	Tailoring the electrical properties of MoTe2 field effect transistor via chemical doping. Superlattices and Microstructures, 2019, 135, 106247.	3.1	35
5	DFT study of the electronic and optical properties of ternary chalcogenides AlX₂Te₄. Materials Research Express, 2019, 6, 116314.	1.6	33
6	Elastic and optoelectronic properties of CaTa2O6 compounds: Cubic and orthorhombic phases. Journal of Alloys and Compounds, 2019, 785, 232-239.	5.5	31
7	Optoelectronic structure and related transport properties of BiCuSeO-based oxychalcogenides: First principle calculations. Solid State Sciences, 2016, 58, 86-93.	3.2	26
8	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
9	Electronic band structure and specific features of Sm2NiMnO6 compound: DFT calculation. Journal of Magnetism and Magnetic Materials, 2013, 342, 80-86.	2.3	23
10	Electronic structure and optical properties of CdO from bulk to nanosheet: DFT approach. Optical Materials, 2015, 47, 372-378.	3.6	23
11	Optoelectronic and Thermoelectric Properties of Bi2OX2 (XÂ=ÂS, Se, Te) for Solar Cells and Thermoelectric Devices. Journal of Electronic Materials, 2018, 47, 2513-2518.	2.2	21
12	Effect of S and Se replacement on electronic and thermoelectric features of BaCu2GeQ4 (QÂ= S, Se) chalcogenide crystals. Journal of Alloys and Compounds, 2019, 790, 666-674.	5.5	21
13	Structure stability, half metallic ferromagnetism, magneto-electronic and thermoelectric properties of new zintl XCr2Bi2 (X=Ca, Sr) compounds for spintronic and renewable energy applications. Physica B: Condensed Matter, 2021, 607, 412866.	2.7	21
14	Enhanced thermoelectric properties of ASbO3 due to decreased band gap through modified becke johnson potential scheme. Journal of Physics and Chemistry of Solids, 2018, 119, 85-93.	4.0	19
15	Systematic studies of the structural and optoelectronic characteristics of CaZn₂X₂ (X = N, P, As, Sb, Bi). Materials Research Express, 2018, 5, 016304.	1.6	19
16	Modified Beckeâ€"Johnson (mBJ) exchange potential investigations of the optoelectronic structure of the quaternary diamond-like semiconductors Li2CdGeS4 and Li2CdSnS4. Materials Science in Semiconductor Processing, 2015, 39, 606-613.	4.0	18
17	Electronic, optical and thermoelectric properties of new metal-rich homological selenides with palladiumâ€"indium: Density functional theory and Boltzmann transport model. Journal of Physics and Chemistry of Solids, 2020, 138, 109229.	4.0	18
18	Effect of Nb, Ta and V replacements on electronic, optical and elastic properties of NbCu3Se4: A GGA+U study. Journal of Solid State Chemistry, 2021, 301, 122338.	2.9	18

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19	Effects of compressed strain on thermoelectric properties of Cu3SbSe4. Journal of Alloys and Compounds, 2018, 750, 804-810.	5.5	17
20	Electronic and Thermoelectric Properties of Ternary Chalcohalide Semiconductors: First Principles Study. Journal of Electronic Materials, 2018, 47, 1131-1139.	2.2	17
21	Effect of Coulomb interactions on optoelectronic and magnetic properties of novel A2V2O7 (A= Fe) Tj ETQq1 1 0.784314 rgBT /Overlo	5.5	17
22	First-principles study of opto-electronic and thermoelectric properties of SrCdSnX4 (X=S, Se, Te) alkali metal chalcogenides. Computational Condensed Matter, 2022, 30, e00625.	2.1	17
23	A Systematic First-Principles Investigation of Structural, Electronic, Magnetic, and Thermoelectric Properties of Thorium Monopnictides ThPn (Pnâ€‰=â€‰N, P, As): A Comparative Analysis of Theoretical Predictions of LDA, PBEsol, PBE-GGA, WC-GGA, and LDAâ€‰+â€‰U Methods. International Journal of Thermophysics, 2019, 40, 1.	2.1	16
24	Exploring the electronic structure and optical properties of new inorganic luminescent materials Ba(Si,Al)5(O,N)8 compounds for light-emitting diodes devices. Current Applied Physics, 2015, 15, 1160-1167.	2.4	15
25	A first principles study of electronic and optical properties of the polar quaternary chalcogenides Î²-A2Hg3Ge2S8(A=K and Rb). Materials Science in Semiconductor Processing, 2015, 34, 250-259.	4.0	15
26	Electronic structure and optical properties of TaNO: An ab initio study. Journal of Molecular Graphics and Modelling, 2019, 92, 296-302.	2.4	15
27	First-Principles Description of the Different Phases in the Li2NH Compound: Electronic Structure and Optical Properties. Journal of the Korean Physical Society, 2019, 74, 1140-1145.	0.7	15
28	First-principles investigations of metal chalcogenides Tl2Hg3X4(X=S,Se,Te) for advanced optoelectronic and thermoelectric applications. Journal of Solid State Chemistry, 2022, 312, 123199.	2.9	15
29	First-principles study of the electronic structure, charge density, Fermi surface and optical properties of zintl phases compounds Sr 2 ZnA 2 (A=P, As and Sb). Journal of Magnetism and Magnetic Materials, 2013, 345, 294-303.	2.3	14
30	Doping induced effect on optical and band structure properties of Sr2Si5N8 based phosphors: DFT approach. Journal of Alloys and Compounds, 2019, 771, 1072-1079.	5.5	14
31	First-principles calculations of structural, electronic, magnetic, thermoelectric, and thermodynamic properties of BaMn2P2 in the Anti and ferromagnetic phase. Journal of Solid State Chemistry, 2021, 302, 122388.	2.9	14
32	Linear and nonlinear optical properties of Î±-K2Hg3Ge2S8 and Î±-K2Hg3Sn2S8 compounds. Optical Materials, 2014, 37, 97-103.	3.6	13
33	Exploring the electronic structure and optical properties of the quaternary selenide compound, Ba4Ga4SnSe12: For photovoltaic applications. Journal of Solid State Chemistry, 2015, 229, 260-265.	2.9	13
34	Detailed DFT studies of the electronic structure and optical properties of KBaMSe3 (M = As, Sb). Journal of Alloys and Compounds, 2015, 644, 91-96.	5.5	13
35	Coulomb interaction and spin-orbit coupling calculations of thermoelectric properties of the quaternary chalcogenides Tl₂PbXY₄(X = Zr, Hf and Y = S, Se). Semiconductor Science and Technology, 2015, 30, 105018.	2.0	12
36	DFT and modified Becke Johnson (mBJ) potential investigations of the optoelectronic properties of SnGa4Q7 (QÂ=ÂS, Se) compounds: Transparent materials for large energy conversion. Solid State Sciences, 2015, 48, 244-250.	3.2	12

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37	Interrelationship between structural, optical and transport properties of InP1âˆ’xBix : DFT approach. Materials Science in Semiconductor Processing, 2016, 41, 45-53.	4.0	12
38	First-principles calculations of optoelectronic properties of CaO: Eu+2 (SrO: Eu+2) for energy applications. International Journal of Modern Physics B, 2018, 32, 1850333.	2.0	12
39	Predicted Thermoelectric Properties of the Layered XBi4S7 (XÂ=ÂMn, Fe) Based Materials: First Principles Calculations. Journal of Electronic Materials, 2017, 46, 23-29.	2.2	11
40	Tailoring the electronic structure and optical properties of cadmium-doped zinc oxides nanosheet. Cogent Physics, 2017, 4, 1391734.	0.7	11
41	Gate dependent phonon shift in tungsten disulfide (WS₂) field effect transistor. Materials Research Express, 2019, 6, 115909.	1.6	11
42	Density functional theory within spin-orbit coupling and hubbard correction for investigation of optoelectronic properties of the orthorhombic perovskite LaPdO3. Computational Condensed Matter, 2019, 21, e00396.	2.1	11
43	Effect of Fe doping on optoelectronic properties of CdS nanostructure: Insights from DFT calculations. Physica B: Condensed Matter, 2020, 583, 412056.	2.7	11
44	Electronic structure and related optical, thermoelectric and dynamical properties of Lilianite-type Pb7Bi4Se13: Ab-initio and Boltzmann transport theory. Materialia, 2020, 10, 100658.	2.7	11
45	Mechanical and thermodynamic stability, structural, electronics and magnetic properties of new ternary thorium-phosphide silicides ThSixP1-x: First-principles investigation and prospects for clean nuclear energy applications. Nuclear Engineering and Technology, 2021, 53, 592-602.	2.3	11
46	Study of electronic structure, charge density, Fermi energy and optical properties of Cs2KTbCl6 and Cs2KEuCl6. Physica B: Condensed Matter, 2013, 431, 102-108.	2.7	10
47	DFT combined to Boltzmann transport theory for optoelectronic and thermoelectric properties investigations for monoclinic metallic selenide: Cu5Sn2Se7. Optik, 2016, 127, 5472-5478.	2.9	10
48	Specific features of structural, electronic, optical and elastic properties of the cubic calcium pyroniobate Ca2Nb2O7 crystals. Physica B: Condensed Matter, 2018, 545, 69-75.	2.7	10
49	Structural, electronic, optoelectronic and transport properties of LuZnCuAs2 compound: First principle calculations under DFT. Physica B: Condensed Matter, 2020, 596, 412351.	2.7	10
50	An effectual enhancement to the electrical conductivity of graphene FET by silver nanoparticles. Diamond and Related Materials, 2020, 106, 107833.	3.9	10
51	Proposal of new stable <scp> ABC ₂ </scp> type ternary semiconductor pnictides <scp> K ₃ Cu ₃ P ₂ </scp> and <scp> K ₃ Ni ₃ P ₂ </scp>. International Journal of Energy Research, 2021, 45, 2980-2996.	4.5	10
52	A systematic study on optoelectronic properties of Mn⁴⁺-activated Zr-based hexafluoride red phosphors X₂ZrF₆ (XÂ=ÂK, Na, Cs): first-principles investigation and prospects for warm-white LEDs applications. Physica Scripta, 2021, 96, 015801.	2.5	10
53	Nanosized Magnesium doped Copper Chromites Spinel Particles Synthesis and Characterization. ECS Journal of Solid State Science and Technology, 2020, 9, 126005.	1.8	10
54	Electronic structure, Fermi surface and optical properties of metallic compound Be8(B48)B2. Journal of Magnetism and Magnetic Materials, 2014, 351, 98-103.	2.3	9

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55	Revealing the optoelectronic properties of Re-based double perovskites using the Tran-Blaha modified Becke-Johnson with density functional theory. Journal of Molecular Modeling, 2020, 26, 158.	1.8	9
56	Effect of manganese on electronic and optical properties of Ba2ZnS3: A DFT study. Journal of Solid State Chemistry, 2021, 301, 122335.	2.9	9
57	Ab initio study of the structural, electronic, elastic and thermal properties of RMn2Ge2 (R = Ca, Nd) Tj ETQq1 1 0.784314 rgBT /Overlock	3.5	8
58	Theoretical calculations for MUO3 (MÂ=ÂNa; K; Rb): DFTÂ+ÂU study. Journal of Organometallic Chemistry, 2014, 766, 22-33.	1.8	8
59	Transport properties of APdCu(Se₂)(Se₃) (A = K and Rb): new quaternary copper palladium polyselenides. RSC Advances, 2014, 4, 20102-20113.	3.6	7
60	Elastic and optoelectronic properties of novel Ag3AuSe2 and Ag3AuTe2 semiconductors. Materials Science in Semiconductor Processing, 2016, 52, 8-15.	4.0	7
61	Synthesis and Fabrication of Co1â^'xNixCr2O4 Chromate Nanoparticles and the Effect of Ni Concentration on Their Bandgap, Structure, and Optical Properties. Journal of Composites Science, 2021, 5, 247.	3.0	7
62	Electronic, optical and thermoelectric properties of Ce3PdIn11 and Ce5Pd2In19: An ab initio study. Intermetallics, 2014, 55, 184-194.	3.9	6
63	Electronic structure, effective mass, and optical dispersion of 2-mercapto-5-methyl-1,3,4-thiadiazole: density functional theory calculations. Materials Science in Semiconductor Processing, 2014, 26, 649-656.	4.0	6
64	Density of states, optical and thermoelectric properties of perovskite vanadium fluorides Na3VF6. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 16-22.	2.3	6
65	Electronic structure and thermoelectric properties of PbS1-xTex (x=0, 0.25, 0.50, 0.75, 1.0) alloys: Ab initio study. Superlattices and Microstructures, 2018, 124, 248-256.	3.1	6
66	Optoelectronic Structure and Related Transport Properties of Ag2Sb2O6 and Cd2Sb2O7. Journal of Electronic Materials, 2018, 47, 1481-1489.	2.2	6
67	A first-principles theoretical investigation of the structural, electronic and magnetic properties of cubic thorium carbonitrides ThCxN(1-x). Nuclear Engineering and Technology, 2019, 51, 1373-1380.	2.3	6
68	DFT modeling of thermoelectric and optical features of novel MgxSn1-xSe (xÂ= 6%, 12% & 18%). Journal of Molecular Graphics and Modelling, 2020, 94, 107484.	2.4	6
69	Cation effect on electronic, optical and thermoelectric properties of perovskite oxynitrides: Density functional theory. Materials Science in Semiconductor Processing, 2020, 107, 104800.	4.0	6
70	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
71	Electrical transport properties of potassium germanide tungstates (K10Ge18WO4): A theoretical study. Solid State Sciences, 2014, 32, 26-34.	3.2	5
72	Exploring the thermoelectric and magnetic properties of uranium selenides: Tl2Ag2USe4 and Tl3Cu4USe6. Journal of Magnetism and Magnetic Materials, 2016, 413, 57-64.	2.3	5

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73	DFT study of optoelectronic and magnetic properties of iron-containing diamond-like materials Ag 2 FeSiS 4 , Li 2 FeSnS 4 , and Li 2 FeGeS 4. Solid State Sciences, 2017, 72, 71-79.	3.2	5
74	An ab-initio investigation of the electronic structure, chemical bonding and optical properties of Ba₂HgS₅ semiconductor. Molecular Physics, 2020, 118, e1587026.	1.7	5
75	Effect of Coulomb interactions on optoelectronic properties of Eu doped lanthanide stannates pyrochlore: DFTÂâ€‹+Ââ€‹U investigations. Journal of Solid State Chemistry, 2020, 290, 121522.	2.9	5
76	Ab-initio study of Cu-based oxychalcogenides: A new class of materials for optoelectronic applications. Journal of Solid State Chemistry, 2020, 284, 121191.	2.9	5
77	First principle approach to substitutional effect of europium (Eu+2) on electronic and optical parameters of strontium pyroniobate for low temperature applications. Journal of Alloys and Compounds, 2021, 854, 157115.	5.5	5
78	Insight into the Structural, Magneto-electronic, and Mechanical Characteristic of Y2MnZ (Zâ€‰=â€‰Al, Ga,) Tj ETQq0 0 0 rgBT /Overlo	1.8	5
79	Thermoelectric, band structure, chemical bonding and dispersion of optical constants of new metal chalcogenides Ba4CuGa5Q12 (Q=S, Se). Journal of Magnetism and Magnetic Materials, 2014, 362, 204-215.	2.3	4
80	First principle study of the electronic structure, Fermi surface, electronic charge density and optical properties of ThCu5In and ThCu5Sn single crystals. Journal of Magnetism and Magnetic Materials, 2014, 352, 72-80.	2.3	4
81	Optoelectronic behavior of Quaternary Uranium Chalcogenides Rb 2 Pd 3 UM 6 (M = S, Se): A first principle study. Journal of Alloys and Compounds, 2014, 615, 507-513.	5.5	4
82	Theoretical investigation of electronic structure and optical response in relation to the transport properties of Ga1â^’xInxN (xÂ=Â0, 0.25, 0.50, 0.75). Current Applied Physics, 2015, 15, 608-616.	2.4	4
83	GGA+U study on phase transition, optoelectronic and magnetic properties of AmO2 with spinâ€“orbit coupling. Journal of Magnetism and Magnetic Materials, 2015, 396, 190-197.	2.3	4
84	Thermoelectric and optoelectronic properties of a heterocyclic isoxazolone nucleus compound. Materials Science in Semiconductor Processing, 2015, 30, 197-207.	4.0	4
85	Engel-Vosko GGA Approach Within DFT Investigations of the Optoelectronic Structure of the Metal Chalcogenide Semiconductor CsAgGa2Se4. Journal of Electronic Materials, 2016, 45, 746-754.	2.2	4
86	Polymorph phosphor SrSi2O2N2:Eu2+ optoelectronic properties for highly efficient LED: ab-initio calculations. Materials Today Communications, 2017, 13, 263-268.	1.9	4
87	Specific thermoelectric features of novel CaPd3B4O12 (B = Ti, V) perovskites following DFT calculations. Physica B: Condensed Matter, 2018, 545, 330-336.	2.7	4
88	Insight into the Optoelectronic and Thermoelectric Properties of Mn Doped ZnTe from First Principles Calculation. Crystals, 2019, 9, 247.	2.2	4
89	Magnetic and electrical properties of Ba2Co2Fe12O22/PANI composites prepared by insitu polymerization. Physica B: Condensed Matter, 2020, 597, 412410.	2.7	4
90	Optoelectronic properties of Nd3+ doped CaTa2O6: Insights from the GGAâ€‰+â€‰U calculations. Optik, 2021, 225, 165270.	2.9	4

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91	Insight into electronic and optical properties of Eu+2-doped CaTiO3 from GGA+U calculations. Journal of Solid State Chemistry, 2021, 293, 121796.	2.9	4
92	Rb and Cs doping effects in sodium borohydride: Density functional theory for hydrogen (H2) storage purpose. International Journal of Hydrogen Energy, 2021, 46, 2405-2412.	7.1	4
93	Insight view of Hf2CrZ (ZÂ= B, Ga, In, Si, Ge, Sn) Heusler materials via DFT calculations: A study on structural, electronic and magnetic properties. Computational Condensed Matter, 2021, 26, e00518.	2.1	4
94	Structural, electronic, optical and thermodynamical properties of Cu3Se2 and [Cu3Se2]:Zn compounds: Using DFT. Journal of Solid State Chemistry, 2021, 298, 122125.	2.9	4
95	The effect of substitutional doping of Yb²⁺ on structural, electronic, and optical properties of CsCaX ₃ (X: Cl, Br, I) phosphors: a first-principles study. Journal of Physics Condensed Matter, 2022, 34, 065502.	1.8	4
96	Effects of Mn2+ doping on the electronic, structural, and optical properties of Cs2ZrF6: An ab initio study. Journal of Physics and Chemistry of Solids, 2022, 162, 110492.	4.0	4
97	First principle investigation of electronic structure, chemical bonding and optical properties of tetrabarium gallium trinitride oxide single crystal. Materials Research Bulletin, 2015, 70, 436-441.	5.2	3
98	Structural, elastic, optoelectronic and magnetic properties of $$mathbf{CdHo }_mathbf{2}{} mathbf{S}_mathbf{4}$$ CdHo 2 S 4 spinel: a first-principle study. Bulletin of Materials Science, 2017, 40, 1105-1110.	1.7	3
99	Spin Gapless Semiconductorâ€“Nonmagnetic Semiconductor Transitions in Fe-Doped Ti2CoSi: First-Principle Calculations. Applied Sciences (Switzerland), 2018, 8, 2200.	2.5	3
100	DFT simulations of optoelectronic and elastic features of cubic samarium zirconate (Sm2Zr2O7). Computational Condensed Matter, 2019, 21, e00414.	2.1	3
101	Study of electrical attributes of molybdenum ditelluride (MoTe2) FET using experimental and theoretical evidences. Microelectronic Engineering, 2020, 230, 111365.	2.4	3
102	Exploring the potential use of Ca[LiAl3N4]:Eu2+ as phosphor-LED material: Ab-initio calculations. Materials Today Communications, 2020, 25, 101302.	1.9	3
103	On the role of Zn doping on tuning the electronic and optical properties of MnCr₂O₄ spinel via Mn_{0.5}Zn_{0.5}Cr₂O₄ doping scheme: A first-principles quantum computational analysis. Physica Scripta, 2022, 97, 045812.	2.5	3
104	Optoelectronic features of NbCu3Q4 (Q = S, Se) for p-type transparent conducting application: DFT and HSE06. Optik, 2022, 262, 169297.	2.9	3
105	Density functional theory-based quantum-computational analysis on the strain-assisted phononic, electronic, photocatalytic properties and thermoelectric performance of monolayer Janus SnSSe. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	3
106	The electronic structure, electronic charge density and optical properties of the diamond-like semiconductor Ag2ZnSiS4. Applied Physics A: Materials Science and Processing, 2014, 116, 333-340.	2.3	2
107	Thermoelectric properties of quaternary Uranium chalcogenides Cs2Pt3US6 and Cs2Pt3USe6. Solid State Sciences, 2014, 34, 56-62.	3.2	2
108	Exploring the optoelectronic properties of Nitrido-magneso-silicates: Ca[Mg3SiN4], Sr[Mg3SiN4], and Eu[Mg3SiN4]. Semiconductor Science and Technology, 2017, 32, 055017.	2.0	2

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109	A comparative study of structural, electronic and magnetic properties of DyOCl and HoOCl lanthanide oxychlorides: first-principles predictions of DFT, DFT + U and DFT + U + SOC methods. Materials Research Express, 2019, 6, 126129.	1.6	2
110	Electronic, elastic, thermodynamic and vibrational properties of Li6BeZrF12: Insights from DFT-based computer simulation. Computational Condensed Matter, 2020, 25, e00506.	2.1	2
111	Exploring fundamental properties of Mg 0. 915 A 0 . 085 H 2 (AÂ=ÂTi, Fe) for potential hydrogen storage application: Firstâ€principles study. International Journal of Energy Research, 2021, 45, 14971-14984.	4.5	2
112	Electronic band structure and optical characteristic of silver lanthanide XAgSe2 (XÂ=ÂEu and Er) dichalcogenides: Insight from DFT computations. Inorganic Chemistry Communication, 2021, 129, 108586.	3.9	2
113	Electronic structure, chemical bonding and optical properties of Di-2-pyrymidonium dichloride diiodide (C4H5ClIN2O) from first-principles. Materials Science in Semiconductor Processing, 2015, 31, 372-379.	4.0	1
114	Density Functional Theory Investigations of the Optoelectronic Properties of Li2MnGeS4 and Li2CoSnS4. Spin, 2019, 09, 1950015.	1.3	1
115	Proposal of new spinel oxides semiconductors ZnGaO2, [ZnGaO2]:Mn3+ and Rh3+: ab-initio calculations and prospects for thermophysical and optoelectronic applications. Journal of Molecular Graphics and Modelling, 2020, 101, 107750.	2.4	1
116	A first-principles investigation on electronic, optical and thermoelectric properties of $$hbox {La}_{2}hbox {Pd}_{2}hbox {O}_{5}$$ compound. Bulletin of Materials Science, 2020, 43, 1.	1.7	1
117	Optoelectronic investigation of lithium di-manganese oxide with doping of Nickel via Li1-xNixMn2O4 where X= 4 % and 8% composition and their application. Journal of Solid State Chemistry, 2022, 309, 122918.	2.9	1
118	Theoretical study of the new zintl phases compounds K2ACdSb2 (A=(Sr, Ba)). Physica B: Condensed Matter, 2015, 464, 9-16.	2.7	0
119	Optoelectronic and Magnetic Properties of Eu₂Si₅N₈: An Ab-initio Study. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 897-904.	1.5	0
120	First-principles investigation of the electronic band structures and optical properties of quaternary ABaMQ₄ (A = Rb, Cs; M = P, V; and Q = S) metal chalcogenides. International Journal of Modern Physics B, 2018, 32, 1850337.	2.0	0
121	Effect of pressure and Hubbard potential on the electronic and magnetic properties of thorium monopnictides ThPn (PnÂ= N, P, As, Sb, Bi) in respect of crystal field splitting, charge transfer and spin flipping of magnetic moments. Computational Condensed Matter, 2019, 21, e00403.	2.1	0