

Muhd Zu Azhan Yahya

List of Publications by Citations

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148
papers

1,652
citations

20
h-index

35
g-index

166
ext. papers

1,907
ext. citations

1.9
avg, IF

4.74
L-index

#	Paper	IF	Citations
148	Ionic conductivity studies of poly(vinyl alcohol) alkaline solid polymer electrolyte and its use in nickel/zinc cells. <i>Solid State Ionics</i> , 2003 , 156, 171-177	3.3	161
147	Effect of oleic acid plasticizer on chitosan/lithium acetate solid polymer electrolytes. <i>European Polymer Journal</i> , 2003 , 39, 897-902	5.2	129
146	Impedance studies on plasticized PMMA-LiX [X: CF ₃ SO ₃ N(CF ₃ SO ₂) ₂] polymer electrolytes. <i>Materials Letters</i> , 2007 , 61, 2026-2029	3.3	78
145	The role and impact of rubber in poly(methyl methacrylate)/lithium triflate electrolyte. <i>Journal of Power Sources</i> , 2006 , 159, 1401-1404	8.9	73
144	Grafted natural rubber-based polymer electrolytes: ATR-FTIR and conductivity studies. <i>Ionics</i> , 2008 , 14, 491-500	2.7	65
143	Electrochemical studies on epoxidised natural rubber-based gel polymer electrolytes for lithium/air cells. <i>Journal of Power Sources</i> , 2008 , 183, 351-354	8.9	62
142	Conductivity and X-ray photoelectron studies on lithium acetate doped chitosan films. <i>Carbohydrate Polymers</i> , 2004 , 55, 95-100	10.3	51
141	First Principles LDA+U Calculations for ZnO Materials. <i>Integrated Ferroelectrics</i> , 2014 , 155, 15-22	0.8	46
140	Electrical conductivity studies on PVA/PVP-KOH alkaline solid polymer blend electrolyte. <i>Ionics</i> , 2005 , 11, 418-422	2.7	43
139	Electrochemical studies on polymer electrolytes based on poly(methyl methacrylate)-grafted natural rubber for lithium polymer battery. <i>Ionics</i> , 2006 , 12, 303-307	2.7	40
138	Studies on lithium acetate doped chitosan conducting polymer system. <i>European Polymer Journal</i> , 2002 , 38, 1191-1197	5.2	40
137	Dielectric behaviour of cellulose acetate-based polymer electrolytes. <i>Ionics</i> , 2012 , 18, 599-606	2.7	37
136	Hubbard U calculations on optical properties of 3d transition metal oxide TiO ₂ . <i>Results in Physics</i> , 2016 , 6, 891-896	3.7	34
135	Investigation on modified natural rubber gel polymer electrolytes for lithium polymer battery. <i>Journal of Power Sources</i> , 2013 , 244, 636-640	8.9	30
134	Structural, Electronic, and Lattice Dynamics of PbTiO ₃ , SnTiO ₃ , and SnZrO ₃ : A Comparative First-Principles Study. <i>Integrated Ferroelectrics</i> , 2013 , 142, 119-127	0.8	29
133	Structural and electronic properties of CO and NO gas molecules on Pd-doped vacancy graphene: A first principles study. <i>Applied Surface Science</i> , 2019 , 494, 817-828	6.7	25
132	Self-interaction corrected LDA + U investigations of BiFeO ₃ properties: plane-wave pseudopotential method. <i>Materials Research Express</i> , 2015 , 2, 116101	1.7	24

131	Effect of Pressure on Structural, Electronic and Elastic Properties of Cubic (Pm3m) SnTiO ₃ Using First Principle Calculation. <i>Advanced Materials Research</i> , 2012 , 501, 342-346	0.5	21
130	Ionic Conductivity in Solutions of Poly(ethylene oxide) and Lithium Perchlorate. <i>Macromolecular Symposia</i> , 2010 , 290, 46-55	0.8	21
129	First-Principles Comparative Study of the Electronic and Optical Properties of Tetragonal (P4mm) ATiO ₃ (A = Pb,Sn,Ge). <i>Integrated Ferroelectrics</i> , 2014 , 155, 23-32	0.8	20
128	Properties of High Na-Ion Content N-Propyl-N-Methylpyrrolidinium Bis(Fluorosulfonyl)Imide-Ethylene Carbonate Electrolytes. <i>Electrochimica Acta</i> , 2017 , 247, 983-993	6.7	20
127	First principle study on structural, elastic and electronic properties of cubic BiFeO ₃ . <i>Ceramics International</i> , 2013 , 39, S283-S286	5.1	20
126	Electrical properties of PEO/PiCF ₃ SO ₃ BiO ₂ nanocomposite polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 255-258	1.9	19
125	Ionic Conduction Model in Salted Chitosan Membranes Plasticized with Fatty Acid. <i>Journal of Applied Sciences</i> , 2006 , 6, 1287-1291	0.3	19
124	Dielectric behaviour of UV-crosslinked sulfonated poly (ether ether ketone) with methyl cellulose (SPEEK-MC) as proton exchange membrane. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9284-9292	6.7	18
123	Activated carbon and single-walled carbon nanotube based electrochemical capacitor in 1M LiPF ₆ electrolyte. <i>Materials Research Bulletin</i> , 2015 , 69, 20-23	5.1	18
122	First principles calculation on structural and lattice dynamic of SnTiO ₃ and SnZrO ₃ . <i>Ceramics International</i> , 2013 , 39, S297-S300	5.1	17
121	Studies on cellulose acetate-based gel polymer electrolytes for proton batteries. <i>Materials Research Innovations</i> , 2009 , 13, 232-234	1.9	17
120	Kinetic and Thermodynamic Study of Cd ²⁺ Adsorption onto Rubber Tree (hevea brasiliensis) Leaf Powder. <i>Materials Science Forum</i> , 2006 , 517, 217-221	0.4	17
119	Graphene-based Materials in Gas Sensor Applications: A Review. <i>Sensors and Materials</i> , 2020 , 32, 759	1.5	17
118	Conductivity studies on cellulose acetate/ammonium tetrafluoroborate based polymer electrolytes. <i>Materials Research Innovations</i> , 2011 , 15, s168-s172	1.9	15
117	Low-energy phases, electronic and optical properties of Bi _{1-x} La _x FeO ₃ solid solution: Ab-initio LDA+U studies. <i>Ceramics International</i> , 2015 , 41, 10940-10948	5.1	14
116	Electrical and physical studies on 49% methyl-grafted natural rubber-based composite polymer gel electrolytes. <i>Electrochimica Acta</i> , 2011 , 57, 207-211	6.7	14
115	Experimental and First-Principles Investigations of Lattice Strain Effect on Electronic and Optical Properties of Biotemplated BiFeO ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 26012-26020	3.8	13
114	Electrical properties of plasticized chitosan-lithium imide with oleic acid-based polymer electrolytes for lithium rechargeable batteries. <i>Ionics</i> , 2005 , 11, 460-463	2.7	13

113	XRD and Surface Morphology Studies on Chitosan-Based Film Electrolytes. <i>Journal of Applied Sciences</i> , 2006 , 6, 3150-3154	0.3	13
112	First-principles calculation on electronic properties of zinc oxide by zincñir system. <i>Journal of King Saud University, Engineering Sciences</i> , 2017 , 29, 278-283	2.2	12
111	Cu- and Fe-hexacyanoferrate as cathode materials for Potassium ion battery: A First-principles study. <i>Chemical Physics Letters</i> , 2017 , 687, 244-249	2.5	12
110	Optical Characterization of Luminescence Polymer Blends Using Tauc/Davis-Mott Model. <i>Advanced Materials Research</i> , 2012 , 488-489, 628-632	0.5	12
109	Structural, electronic and optical properties of Bi ₂ O ₃ polymorphs by first-principles calculations for photocatalytic water splitting. <i>Materials Research Express</i> , 2017 , 4, 034002	1.7	11
108	The Coagulation Impact of 50% Epoxidised Natural Rubber Chain in Ethylene Carbonate-Plasticized Solid Electrolytes. <i>Macromolecular Symposia</i> , 2009 , 277, 62-68	0.8	11
107	Ab Initio Studies on the Structural and Electronic Properties of Bismuth Ferrite Based on Ferroelectric Hexagonal Phase and Paraelectric Orthorhombic Phase. <i>Integrated Ferroelectrics</i> , 2014 , 155, 134-142	0.8	10
106	First Principles Calculation of Tetragonal (P4 mm) Pb-free Ferroelectric Oxide of SnTiO ₃ . <i>Ferroelectrics</i> , 2014 , 459, 134-142	0.6	10
105	Effect of Salt Concentration and Humidity on the Ionic Conductivity of Poly(Vinylidene FluorideHexafluoropropylene) (PVdF-HFP). <i>Advanced Materials Research</i> , 2012 , 501, 39-43	0.5	9
104	Adsorption of Cd(II) Ions from Aqueous Solutions by Lalang (<i>Imperata cylindrica</i>) Leaf Powder: Effect of Physicochemical Environment. <i>Journal of Applied Sciences</i> , 2007 , 7, 489-493	0.3	9
103	Chitosan-assisted hydrothermal synthesis of multiferroic BiFeO ₃ : Effects on structural, magnetic and optical properties. <i>Results in Physics</i> , 2019 , 15, 102740	3.7	8
102	First-Principles Calculation of the Structural, Elastic, Electronic and Lattice Dynamics of GeTiO ₃ . <i>Ferroelectrics</i> , 2013 , 452, 122-128	0.6	8
101	Effects of lithium salt on chitosan-g-PMMA based polymer electrolytes. <i>Materials Research Innovations</i> , 2011 , 15, s202-s205	1.9	8
100	Potential complexes of NaCF ₃ SO ₃ -tetraethylene dimethyl glycol ether (tetraglyme)-based electrolytes for sodium rechargeable battery application. <i>Ionics</i> , 2019 , 25, 541-549	2.7	8
99	Structural, electronic and optical properties of brookite phase titanium dioxide. <i>Materials Research Express</i> , 2017 , 4, 044003	1.7	7
98	First-Principles Study on Structural, Electronic and Optical Properties of TiO ₂ for Dye-Sensitized Solar Cells Photoanode. <i>Materials Science Forum</i> , 2016 , 846, 719-725	0.4	7
97	Conduction mechanism of lithium bis(oxalato)borateñellulose acetate polymer gel electrolytes. <i>Ionics</i> , 2014 , 20, 1671-1680	2.7	7
96	Gel polymer electrolyte based on methyl-grafted natural rubber for proton batteries. <i>Materials Research Innovations</i> , 2009 , 13, 263-265	1.9	7

95	First Principle Study of Dynamical Properties of a New Perovskite Material Based on GeTiO ₃ . <i>Advanced Materials Research</i> , 2012 , 501, 352-356	0.5	7
94	Effect of lithium intercalation on the structural and electronic properties of layered LiFeSO ₄ OH and layered FeSO ₄ OH using first-principle calculations. <i>Computational Materials Science</i> , 2016 , 119, 144-151	3.2	7
93	Cellulose acetate-lithium bis(trifluoromethanesulfonyl)imide solid polymer electrolyte: ATR-FTIR and ionic conductivity behavior. <i>Functional Materials Letters</i> , 2015 , 08, 1540017	1.2	6
92	Establishment of Structural and Elastic Properties of Titanate Compounds Based on Pb, Sn and Ge by First-Principles Calculation. <i>Applied Mechanics and Materials</i> , 2014 , 510, 57-62	0.3	6
91	PLASTICIZED PVA/PVP-KOH ALKALINE SOLID POLYMER BLEND ELECTROLYTE FOR ELECTROCHEMICAL CELLS. <i>Functional Materials Letters</i> , 2009 , 02, 121-125	1.2	6
90	Frequency dependent conductivity studies on PMMA-ICF3SO ₃ polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 285-287	1.9	6
89	Conductivity studies of plasticized anhydrous PEO-KOH alkaline solid polymer electrolyte. <i>Ionics</i> , 2008 , 14, 59-62	2.7	6
88	Enhanced mechanism of thermoelectric performance of Bi ₂ Se ₃ using density functional theory. <i>Materials for Renewable and Sustainable Energy</i> , 2020 , 9, 1	4.7	6
87	Effects of Different Electrolyte Concentrations and Scan Rates in Mesoporous Carbon Electrode-Based Capacitance. <i>Advanced Materials Research</i> , 2016 , 1133, 3-7	0.5	5
86	Determination of Electronic Structure and Band Gap of Li ₂ Mn ₂ P ₂ O ₇ via First-Principle Study. <i>Integrated Ferroelectrics</i> , 2014 , 155, 71-79	0.8	5
85	Effect of ionic liquid incarceration during free radical polymerization of PMMA on its structural and electrical properties. <i>Ionics</i> , 2017 , 23, 295-301	2.7	5
84	Natural rubber-grafted with 30% poly(methylmethacrylate) characterization for application in lithium polymer battery 2010 ,		5
83	Effects of TiO ₂ on conductivity performance of cellulose acetate based polymer gel electrolytes for proton batteries. <i>Materials Research Innovations</i> , 2011 , 15, s229-s231	1.9	5
82	X-Ray Diffraction and Infrared Studies on Plasticized Cellulose Acetate Complexed with Ammonium Iodide for Solid Polymer Electrolyte. <i>Materials Science Forum</i> , 2016 , 846, 523-527	0.4	5
81	Study of Structural, Electronic and Optical Properties of Lanthanum Doped Perovskite PZT Using Density Functional Theory. <i>Applied Mechanics and Materials</i> , 2017 , 864, 127-132	0.3	4
80	Ultrasonic Assisted Synthesis of Reduced Graphene Oxide in Glucose Solution. <i>Key Engineering Materials</i> , 2016 , 708, 25-29	0.4	4
79	Effects of Vanadium Substitution in the Layered LiFeSO ₄ OH: A First Principles Investigation. <i>Materials Today: Proceedings</i> , 2017 , 4, 5108-5115	1.4	4
78	EFFECTS OF DISSOLVED OXYGEN ON THE INTEGRITY OF INDUSTRIAL CHLORINATED RUBBERBASED PRIMER USED IN RUBBER/METAL COMPOSITES. <i>Rubber Chemistry and Technology</i> , 2015 , 88, 502-514	1.7	4

77	Investigation on effects of substituents in N,N'-dibenzylidene ethane-1,2-diamine towards corrosion inhibition on steel in 1M HCl. <i>Materials Research Innovations</i> , 2009 , 13, 305-308	1.9	4
76	Electrochemical performance of anode material from palm oils derived carbon nanotubes for lithium ion batteries. <i>Materials Research Innovations</i> , 2009 , 13, 269-271	1.9	4
75	Solid state proton battery using plasticised cellulose salt complex electrolyte. <i>Materials Research Innovations</i> , 2009 , 13, 252-254	1.9	4
74	Sulphide based anode material for lithium rechargeable battery. <i>Ionics</i> , 2003 , 9, 253-257	2.7	4
73	First-principles studies on phase stability of TiO ₂ by using GGA+U calculations 2018 ,		4
72	Investigation of structural, electronic and optical properties of hexagonal LuFeO ₃ using first principles LDA + U. <i>Materials Research Express</i> , 2017 , 4, 044001	1.7	3
71	First-principles investigation of the ground state, structural phase transition, and magnetic ordering of strained BiVO ₃ . <i>Journal of Applied Physics</i> , 2019 , 125, 082532	2.5	3
70	Effects of strain on electronic and optical properties of LiNbO ₃ : a first principles study. <i>Materials Research Express</i> , 2019 , 6, 114002	1.7	3
69	First principles study on Zn doped MgO using Hubbard U correction. <i>Materials Research Express</i> , 2019 , 6, 094012	1.7	3
68	First Principles Study on Structural and Electronic Properties of LiFeSO ₄ F Cathode Material for Lithium Ion Batteries. <i>Advanced Materials Research</i> , 2015 , 1107, 508-513	0.5	3
67	Influences of Epitaxial Strain and Volume on BaTiO ₃ : Ab Initio Total Energy Calculation. <i>Integrated Ferroelectrics</i> , 2014 , 155, 91-99	0.8	3
66	Studies on graphene zinc-oxide nanocomposites photoanodes for high-efficient dye-sensitized solar cells 2017 ,		3
65	Electrochemical Studies of Composite Cellulose Acetate-Based Polymer Gel Electrolytes for Proton Batteries. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2012 , 82, 49-52	0.9	3
64	Proton Conductivity Studies on Biopolymer Electrolytes 2010 ,		3
63	Conductivity studies on plasticised cellulose acetate ammonium iodide based polymer electrolytes. <i>Materials Research Innovations</i> , 2011 , 15, s39-s42	1.9	3
62	Structural phase instability, mixed-phase, and energy band gap change in BiFeO ₃ under lattice strain effect from first-principles investigation. <i>Ceramics International</i> , 2021 , 47, 12592-12599	5.1	3
61	Electrochemical Properties of Glyme Based Plasticizer on Gel Polymer Electrolytes Doped with Lithium Bis(Trifluoromethanesulfonyl)Imide. <i>Materials Science Forum</i> , 2016 , 846, 534-538	0.4	3
60	Structural and electronic properties of TiO ₂ polymorphs with effective on-site coulomb repulsion term: DFT+U approaches. <i>Materials Today: Proceedings</i> , 2019 , 17, 472-483	1.4	2

59	Characterization of Poly(N-vinylcarbazole) Blending with Different Composition by Using Polarized Electronic Spectroscopy. <i>Advanced Materials Research</i> , 2013 , 660, 19-23	0.5	2
58	Properties of Lead-Free Hybrid Organic-Inorganic Halide Perovskite CH ₃ NH ₃ BX ₃ Using Density Functional Theory. <i>Materials Today: Proceedings</i> , 2017 , 4, 5154-5160	1.4	2
57	Theoretical study of PbZrTiO ₃ and PbSnZrTiO ₃ using a total-energy planewave-pseudopotential method. <i>Materials Research Express</i> , 2017 , 4, 074001	1.7	2
56	First Principle Study on the Lead-Free Perovskite Structure of SnTiO ₃ . <i>Advanced Structured Materials</i> , 2012 , 251-258	0.6	2
55	First principles calculation on elastic, electronic and optical properties of new cubic (Pm3m) pb-free perovskite oxide of SnZrO ₃ 2012 ,		2
54	MG49-KOH-PC alkaline gel polymer electrolytes membrane for supercapacitors 2012 ,		2
53	Bioenergy from Gloeophyllum-Rhizopus Fungal Biofuel Cell. <i>Advanced Materials Research</i> , 2012 , 512-515, 1461-1465	0.5	2
52	Underlying mechanism of surface (001) cubic ATiO ₃ (A = Pb, Sn) in enhancing thermoelectric performance of thin-film application using density functional theory. <i>Surfaces and Interfaces</i> , 2021 , 27, 101524	4.1	2
51	Lithium-Ion Supercapacitor Using Vertically-aligned Carbon Nanotubes from Direct Growth Technique, and its Electrochemical Characteristics. <i>Portugaliae Electrochimica Acta</i> , 2019 , 37, 167-178	2.4	2
50	First principles study of structural, electronic and optical properties of orthorhombic phase Ni-doped Bi ₂ Se ₃ using density functional theory. <i>Computational Condensed Matter</i> , 2020 , 25, e00510	1.7	2
49	First Principles Study on Structural and Electronic Properties of PZT and PSnZT Using Density Functional Theory. <i>Materials Science Forum</i> , 2016 , 846, 734-739	0.4	2
48	Structural, Electronic and Optical Properties of Nd-Doped Anatase TiO ₂ for Dye-Sensitized Solar Cells from Density Functional Theory. <i>Materials Science Forum</i> , 2016 , 846, 726-733	0.4	2
47	FTIR Spectrum Investigation of Thionine-Graphene Nanocomposite. <i>Applied Mechanics and Materials</i> , 2017 , 864, 42-47	0.3	1
46	A symmetric supercapacitor based on 30% poly (methyl methacrylate) grafted natural rubber (MG30) polymer and activated carbon electrodes 2017 ,		1
45	Ionic conductivity studies of epoxidized poly (methyl methacrylate)-grafted natural rubber based gel polymer electrolyte for dye sensitized polymer solar cell 2017 ,		1
44	Electrochemical properties of pyrolysed graphene/activated carbon composite doped with FeTMPP-Cl as electrode materials. <i>Ionics</i> , 2020 , 26, 2825-2834	2.7	1
43	Mesoporous carbon synthesized from different pore sizes of SBA-15 for high density electrode supercapacitor application 2017 ,		1
42	Impedance Behavior of Treated Methyl-Grafted Natural Rubber Polymer Electrolytes. <i>Advanced Materials Research</i> , 2015 , 1107, 217-222	0.5	1

41	Effect of epoxidation on 30% poly(methyl methacrylate)-grafted natural rubber polymer electrolytes 2015 ,		1
40	Preparation and characterization of polymer blend based on sulfonated poly (ether ether ketone) and polyetherimide (SPEEK/PEI) as proton exchange membranes for fuel cells 2015 ,		1
39	Preparation and Characterization of Epoxidized-30% Poly(methyl methacrylate)-grafted Natural Rubber Polymer Electrolyte. <i>Journal of Nano Research</i> , 2014 , 28, 163-170	1	1
38	First Principles Study on Structural and Electronic Properties of LiFeSO ₄ OH Cathode Material for Lithium Ion Batteries. <i>Applied Mechanics and Materials</i> , 2014 , 510, 33-38	0.3	1
37	The effect of composition nanofiller Al ₂ O ₃ to the conductivity, morphology and thermal properties of MG30-LiTf polymer electrolyte 2012 ,		1
36	Polarized absorption and dielectric spectra of poly (N-carbazole) blends 2012 ,		1
35	Comparative study of cubic Pm3m between SnZrO ₃ and PbZrO ₃ by first principles calculation 2012 ,		1
34	Conductivity modification of polymer gel electrolytes: addition of MG49 and SiO ₂ . <i>Materials Research Innovations</i> , 2011 , 15, s153-s156	1.9	1
33	Freely-Suspended, Single Chamber Glucose Oxidase-Laccase Enzymatic Fuel Cell. <i>Advanced Materials Research</i> , 2012 , 512-515, 1499-1502	0.5	1
32	Conductivity studies of phosphonated methylcellulose membrane. <i>Materials Research Innovations</i> , 2009 , 13, 243-245	1.9	1
31	Effects of double solvents/plasticisers on proton conducting gel polymer electrolytes. <i>Materials Research Innovations</i> , 2009 , 13, 298-301	1.9	1
30	Optical Transition, Excitation, and Emission Properties of Poly(N-Vinylcarbazole) Blended with Poly(Vinylidene Fluoride-co-Hexafluoropropene) and Polyvinylpyrrolidone. <i>Acta Physica Polonica A</i> , 2015 , 127, 1075-1078	0.6	1
29	Optical Transition, Excitation, and Emission Properties of Poly(N-Vinylcarbazole) Blended with Poly(Vinylidene Fluoride-co-Hexafluoropropene) and Polyvinylpyrrolidone. <i>Acta Physica Polonica A</i> , 2015 , 127, 1430-1433	0.6	1
28	Characteristics of Electron Transport Study of Compositated Graphene-Zinc Oxide Thin Film Photoanode for Dye-Sensitized Solar Cells. <i>Solid State Phenomena</i> , 2020 , 307, 185-191	0.4	1
27	First-principles study on structural and electronic properties of Prussian blue cathode material for sodium-ion battery. <i>Molecular Crystals and Liquid Crystals</i> , 2019 , 693, 115-122	0.5	1
26	Effect of ethylene carbonate (EC) plasticizer on epoxidized 30% poly(methyl methacrylate)-grafted natural based polymer electrolytes for lithium batteries 2021 ,		1
25	The effects of ceramic fillers on chitosan grafted PMMA based polymer electrolyte 2018 ,		1
24	Structural, electronic and magnetic properties of Ca, Sr and Ba heterovalent A-site ion substitution in BiFeO ₃ with different Fe oxidation states. <i>Materials Today: Proceedings</i> , 2019 , 7, 686-691	1.4	0

23	First-principles study on XV ₂ S ₄ (X = Ni, Cr, and Mo) counter electrode for dye-sensitized solar cells. <i>Emergent Materials</i> , 2020 , 3, 125-131	3.5	0
22	Evaluation of Olivine LiFePO ₄ Polyanionic Cathode Material Using Density Functional Theory. <i>Key Engineering Materials</i> , 908 , 293-298	0.4	0
21	First-principles calculations of electronic and optical properties of orthorhombic Bi ₂ Se ₃ nano thin film. <i>Computational Condensed Matter</i> , 2022 , 30, e00618	1.7	0
20	Effect of pH and Immersion Time on the Corrosion Protection of SDBS:ZnSO ₄ Pretreated Mild Steel in Sodium Chloride Solution. <i>Solid State Phenomena</i> , 317 , 491-497	0.4	0
19	Influence of Nd concentrations on the structural, electronic and optical properties of anatase TiO ₂ : A first-principles approach. <i>Computational Condensed Matter</i> , 2022 , 31, e00672	1.7	0
18	An Investigation of Structural and Electronic Properties of Novel Cathode Material Li ₂ MnP ₂ O ₇ and its Delithiated Li _{2-x} MnP ₂ O ₇ (x=1,2): A First Principle Study. <i>Advanced Materials Research</i> , 2015 , 1107, 485-490	0.5	
17	Glucose-Reduced MnO ₂ /Graphene Composites Electrode for Supercapacitor. <i>Advanced Materials Research</i> , 2015 , 1108, 39-43	0.5	
16	The Effect of LiCF ₃ SO ₃ Complexed MG30-PEMA Blend Solid Polymer Electrolyte. <i>Advanced Materials Research</i> , 2015 , 1107, 158-162	0.5	
15	Electrical Dielectric Permittivity and Conductivity Analysis of Poly(N-Carbazole) (PVK) Blending with Polyvinylpyrrolidone (PVP). <i>Key Engineering Materials</i> , 2018 , 762, 244-248	0.4	
14	Effect of Loading Amount of Glucose Precursor on Mesoporous Carbon Surface Area for Supercapacitor Electrode Application. <i>Materials Science Forum</i> , 2016 , 857, 101-105	0.4	
13	Effect of Phenylene Diamine Antioxidant on Physico-Chemical Properties of Methyl Grafted Natural Rubber Polymer Electrolytes. <i>Applied Mechanics and Materials</i> , 2017 , 864, 48-53	0.3	
12	Conductivity Studies on Li _{1-x} Al _x Ti _{2-x} (PO ₄) ₃ (X=0.0-0.5) Due to the Addition of Al ³⁺ Trivalent Cation. <i>Advanced Materials Research</i> , 2011 , 418-420, 1869-1872	0.5	
11	Effects of UV irradiation time on electrical, physical and thermal properties of SPEEK/S composite membranes. <i>Materials Research Innovations</i> , 2011 , 15, s206-s209	1.9	
10	Graft Copolymerization of 1-Vinylimidazole onto Poly(vinylidene Fluoride) by Radiation-Induced Grafting for Fuel Cells Membrane. <i>Advanced Materials Research</i> , 2012 , 476-478, 636-641	0.5	
9	Evaluation of Porous Electrode Properties Using Metal-Air Electrochemical System. <i>Advanced Materials Research</i> , 2012 , 512-515, 1619-1623	0.5	
8	First Principles Calculation of β Phase of Solid Oxygen. <i>Acta Physica Polonica A</i> , 2016 , 129, 468-471	0.6	
7	Ab Initio Study on Structural Properties of NaFeSO ₄ OH Cathode Material for Rechargeable Sodium Ion Battery. <i>Solid State Phenomena</i> , 317 , 400-405	0.4	
6	Physical and Electrical Studies of High Molecular Weight Poly (Methyl Methacrylate) Based Solid Polymer Electrolytes. <i>Solid State Phenomena</i> , 317 , 393-399	0.4	

5	Electrical and Electrochemical Studies of Polymer Gel Electrolytes Based on Agarose-LiBOB and P(VP-co-VAc)-LiBOB. <i>Solid State Phenomena</i> , 317, 385-392	0.4
4	An Investigation on the Effect of La ³⁺ Alteration on Structural Properties of Perovskite PbTiO ₃ : Total Energy Calculation. <i>Key Engineering Materials</i> , 2016, 708, 42-45	0.4
3	Structural and Magnetic Study on the Effect of Substitution of Cobalt by d-Valent Elements of Co ₂ FeSi Heusler Alloy. <i>Key Engineering Materials</i> , 2016, 708, 37-41	0.4
2	The Novel Usage of Nitrocellulose as a Propellant of 5.56 mm Bullet. <i>Solid State Phenomena</i> , 2018, 280, 361-367	0.4
1	Electrochemical analysis of silane incorporated sodium dodecylbenzene sulphonate: zinc sulphate pre-treatment on mild steel and its effect on epoxy coating performance. <i>Corrosion Engineering Science and Technology</i> , 1-10	1.7