

Ohhassan

List of Publications by Year in descending order

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104
papers

809
citations

623574

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677027

22
g-index

108
all docs

108
docs citations

108
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	First Principles LDA+U Calculations for ZnO Materials. Integrated Ferroelectrics, 2014, 155, 15-22.	0.3	71
2	Hubbard U calculations on optical properties of 3d transition metal oxide TiO ₂ . Results in Physics, 2016, 6, 891-896.	2.0	65
3	Structural, Electronic, and Lattice Dynamics of PbTiO ₃ , SnTiO ₃ , and SnZrO ₃ : A Comparative First-Principles Study. Integrated Ferroelectrics, 2013, 142, 119-127.	0.3	44
4	Self-interaction corrected LDA + U investigations of BiFeO ₃ properties: plane-wave pseudopotential method. Materials Research Express, 2015, 2, 116101.	0.8	30
5	First-Principles Comparative Study of the Electronic and Optical Properties of Tetragonal (P4mm) ATiO ₃ (A = Pb,Sn,Ge). Integrated Ferroelectrics, 2014, 155, 23-32.	0.3	23
6	Recent advances on graphene-based materials as cathode materials in lithium-sulfur batteries. International Journal of Hydrogen Energy, 2022, 47, 8630-8657.	3.8	21
7	First principles calculation on structural and lattice dynamic of SnTiO ₃ and SnZrO ₃ . Ceramics International, 2013, 39, S297-S300.	2.3	20
8	In-Vitro Design Protocol: Artificial Situation Strategy Uses to Comprehend Designers' Thought. MATEC Web of Conferences, 2016, 52, 03002.	0.1	19
9	LSC cathode prepared by polymeric complexation method for proton-conducting SOFC application. Journal of Sol-Gel Science and Technology, 2016, 78, 382-393.	1.1	18
10	Understanding methodological solution in design situation of novice designer. , 2015, , .		17
11	First-principles calculation on electronic properties of zinc oxide by zinc-air system. Journal of King Saud University, Engineering Sciences, 2017, 29, 278-283.	1.2	17
12	Structural, electronic and optical properties of Bi ₂ O ₃ polymorphs by first-principles calculations for photocatalytic water splitting. Materials Research Express, 2017, 4, 034002.	0.8	17
13	Local peat soil as ball clay replacement in earthenware. , 2013, , .		16
14	First Principles Calculation of Tetragonal (P4 mm) Pb-free Ferroelectric Oxide of SnTiO ₃ . Ferroelectrics, 2014, 459, 134-142.	0.3	16
15	Low-energy phases, electronic and optical properties of Bi ¹⁺³ La FeO ₃ solid solution: Ab-initio LDA+U studies. Ceramics International, 2015, 41, 10940-10948.	2.3	16
16	Experimental and First-Principles Investigations of Lattice Strain Effect on Electronic and Optical Properties of Biotemplated BiFeO ₃ Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 26012-26020.	1.5	16
17	Chitosan-assisted hydrothermal synthesis of multiferroic BiFeO ₃ : Effects on structural, magnetic and optical properties. Results in Physics, 2019, 15, 102740.	2.0	15
18	A Framework of Empirical Study Through Design Practice for Industrial Ceramic Sanitary Ware Design. , 2015, , 683-694.		14

#	ARTICLE	IF	CITATIONS
19	A Pattern in Formgiving Design: Giving Priority to a Principle Solution in Industrial Design Situation. Lecture Notes in Electrical Engineering, 2015, , 331-340.	0.3	14
20	Synthesis of Graphene via Green Reduction of Graphene Oxide with Simple Sugars. Advanced Materials Research, 0, 1107, 542-546.	0.3	13
21	Hypothetical framework for luminescence effect as advanced decoration on Labu Sayong. , 2012, , .		12
22	The theoretical framework study of artificial walet nest template from stoneware body. , 2012, , .		12
23	A case study on skeleton constituent as earth related constructive form. , 2013, , .		12
24	A study on drying and joining process for large scale sculpture incorporate with stoneware body. , 2013, , .		12
25	Conduction mechanism of lithium bis(oxalato)borate“cellulose acetate polymer gel electrolytes. Ionics, 2014, 20, 1671-1680.	1.2	12
26	Enhanced mechanism of thermoelectric performance of Bi ₂ Se ₃ using density functional theory. Materials for Renewable and Sustainable Energy, 2020, 9, 1.	1.5	12
27	Cellulose acetate“lithium bis(trifluoromethanesulfonyl)imide solid polymer electrolyte: ATR-FTIR and ionic conductivity behavior. Functional Materials Letters, 2015, 08, 1540017.	0.7	11
28	Human behaviours influence framework of the ablution tub design. , 2013, , .		10
29	A fusion design study evolving a Malay modern teapot. , 2013, , .		10
30	Effect of nickel oxide - Modified BaCe _{0.54} Zr _{0.36} Y _{0.10} O _{2.95} as composite anode on the performance of proton-conducting solid oxide fuel cell. International Journal of Hydrogen Energy, 2021, 46, 5963-5974.	3.8	10
31	Heat Treatment Effect on the Phase and Morphology of NiO-BCZY Prepared by an Evaporation and Decomposition of Solution and Suspension Method. Sains Malaysiana, 2018, 47, 589-594.	0.3	10
32	Effect of lithium intercalation on the structural and electronic properties of layered LiFeSO ₄ OH and layered FeSO ₄ OH using first-principle calculations. Computational Materials Science, 2016, 119, 144-151.	1.4	9
33	Structural, electronic and optical properties of brookite phase titanium dioxide. Materials Research Express, 2017, 4, 044003.	0.8	9
34	Structural and electronic properties of TiO ₂ polymorphs with effective on-site coulomb repulsion term: DFT+U approaches. Materials Today: Proceedings, 2019, 17, 472-483.	0.9	9
35	First-Principles Calculation of the Structural, Elastic, Electronic and Lattice Dynamics of GeTiO ₃ . Ferroelectrics, 2013, 452, 122-128.	0.3	8
36	Discovered aesthetic elements of bubbles inspiring ceramics art form. , 2013, , .		8

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37	Morphological and Electrochemical Properties of Hybridized PPy/rGO Composites. Materials Today: Proceedings, 2017, 4, 5138-5145.	0.9	8
38	Humanistic study in ceramic cereal breakfast set as children learning tool. , 2013, , .		7
39	Studies on graphene zinc-oxide nanocomposites photoanodes for high-efficient dye-sensitized solar cells. AIP Conference Proceedings, 2017, , .	0.3	7
40	First principles study on Zn doped MgO using Hubbard U correction. Materials Research Express, 2019, 6, 094012.	0.8	7
41	Design framework of ceramic ablution Tub. , 2012, , .		6
42	Establishment of Structural and Elastic Properties of Titanate Compounds Based on Pb, Sn and Ge by First-Principles Calculation. Applied Mechanics and Materials, 0, 510, 57-62.	0.2	6
43	Determination of Electronic Structure and Band Gap of Li ₂ MnP ₂ O ₇ via First-Principle Study. Integrated Ferroelectrics, 2014, 155, 71-79.	0.3	6
44	Framework design on stoneware bund for modern Oryza Sativa planting. , 2013, , .		5
45	X-Ray Diffraction and Infrared Studies on Plasticized Cellulose Acetate Complexed with Ammonium Iodide for Solid Polymer Electrolyte. Materials Science Forum, 0, 846, 523-527.	0.3	5
46	Investigation of structural, electronic and optical properties of hexagonal LuFeO ₃ using first principles LDA+U. Materials Research Express, 2017, 4, 044001.	0.8	5
47	A symmetric supercapacitor based on 30% poly (methyl methacrylate) grafted natural rubber (MG30) polymer and activated carbon electrodes. AIP Conference Proceedings, 2017, , .	0.3	5
48	Effects of Vanadium Substitution in the Layered LiFeSO ₄ OH: A First Principles Investigation. Materials Today: Proceedings, 2017, 4, 5108-5115.	0.9	5
49	First-principles study on XV ₂ S ₄ (X = Ni, Cr, and Mo) counter electrode for dye-sensitized solar cells. Emergent Materials, 2020, 3, 125-131.	3.2	5
50	Electrical conductivity and thermal expansion of the oxy-cuspidine Gd ₄ Al ₂ O ₉ substituted with Ca and Sr. Solid State Ionics, 2009, 180, 831-834.	1.3	4
51	Study on human posture and gesture elements for industrial ceramic robotic artware. , 2013, , .		4
52	Electrochemical Properties of Glyme Based Plasticizer on Gel Polymer Electrolytes Doped with Lithium Bis(Trifluoromethanesulfonyl)Imide. Materials Science Forum, 0, 846, 534-538.	0.3	4
53	Ultrasonic Assisted Synthesis of Reduced Graphene Oxide in Glucose Solution. Key Engineering Materials, 0, 708, 25-29.	0.4	4
54	Study of Structural, Electronic and Optical Properties of Lanthanum Doped Perovskite PZT Using Density Functional Theory. Applied Mechanics and Materials, 2017, 864, 127-132.	0.2	4

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55	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.	0.9	4
56	Thermal expansion and lattice parameter of solid electrolyte based on cerate-zirconate ceramics. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
57	Assessing the Attributes of Unconscious Interaction Between Human Cognition and Behavior in Everyday Product Using Image-Based Research Analysis. <i>Smart Innovation, Systems and Technologies</i> , 2019, , 63-73.	0.5	4
58	Design research and development process of the Single Deck Bus for commercial production. , 2012, , .		3
59	Hidden pattern of doodles on ceramic lighting. , 2013, , .		3
60	Influences of Epitaxial Strain and Volume on BaTiO ₃ : Ab Initio Total Energy Calculation. <i>Integrated Ferroelectrics</i> , 2014, 155, 91-99.	0.3	3
61	First Principles Study on Structural and Electronic Properties of LiFeSO ₄ F Cathode Material for Lithium Ion Batteries. <i>Advanced Materials Research</i> , 0, 1107, 508-513.	0.3	3
62	Theoretical study of PbZrTiO ₃ and PbSnZrTiO ₃ using a total-energy planewave-pseudopotential method. <i>Materials Research Express</i> , 2017, 4, 074001.	0.8	3
63	Ablution Function Mean Analysis: A Prototype Design Strategy for Sub-Sanitaryware Manufacturing. <i>Advanced Science Letters</i> , 2017, 23, 10806-10810.	0.2	3
64	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.	0.4	3
65	First Principles Study on Structural and Electronic Properties of PZT and PSnZT Using Density Functional Theory. <i>Materials Science Forum</i> , 0, 846, 734-739.	0.3	2
66	Studies of the absorbance peak on the N719 dye influence by combination between Cadmium Selenide (CdSe)QDs and Zinc Sulfide(ZnS)QDs. <i>MATEC Web of Conferences</i> , 2018, 154, 01040.	0.1	2
67	Quantum dot solar cell studies on the influence of Cadmium Selenide(CdSe)QDs and the Zinc Sulfide(ZnS)QDs in the photoanode. <i>MATEC Web of Conferences</i> , 2018, 154, 01039.	0.1	2
68	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.	0.9	2
69	Advanced Digital Design Prototyping for Manufacturing of Exclusive Wood Carving Furniture Products. , 2018, , 291-297.		2
70	Designer Activity Experience: Blind User-Designer Activity Model in Knowing Product Influence Through Blind User Perspective. <i>Advanced Science Letters</i> , 2017, 23, 10815-10821.	0.2	2
71	Calcination Effect on Structural Transformation of Barium Titanite Ferroelectric Ceramic by Sol Gel Method. <i>International Journal of Engineering and Advanced Technology</i> , 2019, 9, 5893-5896.	0.2	2
72	First Principles Study on Structural and Electronic Properties of LiFeSO ₄ OH Cathode Material for Lithium Ion Batteries. <i>Applied Mechanics and Materials</i> , 0, 510, 33-38.	0.2	1

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73	Impedance and Resistivity Behavior of Graphene Oxide-Activated Carbon Hybrids. <i>Advanced Materials Research</i> , 2015, 1107, 530-535.	0.3	1
74	FTIR Spectrum Investigation of Thionine-Graphene Nanocomposite. <i>Applied Mechanics and Materials</i> , 0, 864, 42-47.	0.2	1
75	A.C. conductivity of BaCe _{0.54} Zr _{0.36} Y _{0.10} O _{3-δ} electrolyte in dry and wet nitrogen atmospheres. <i>AIP Conference Proceedings</i> , 2018, ,	0.3	1
76	Sol-Gel Synthesis of Solid Solution Based on Cerate-Zirconate Ceramics. <i>Solid State Phenomena</i> , 2019, 290, 29-34.	0.3	1
77	Fabrication of Compositionally Gradient Anode Functional Layer for Proton Conducting Fuel Cell at Intermediate Temperatures: A Preliminary Study. <i>Solid State Phenomena</i> , 0, 307, 143-148.	0.3	1
78	Characteristics of Electron Transport Study of Compositied Graphene-Zinc Oxide Thin Film Photoanode for Dye-Sensitized Solar Cells. <i>Solid State Phenomena</i> , 2020, 307, 185-191.	0.3	1
79	Phase Analysis of Cerate and Zirconate Ceramics Powder Prepared by Supercritical Ethanol Using High Temperature-High Pressure Batch Wise Reactor System. <i>Solid State Phenomena</i> , 0, 307, 171-175.	0.3	1
80	The Application of Continuous Improvement (CI) Methodology in Small-Scale (SME) Jewellery / Gold Fabricators Refiners toward Efficient Work Process in Waste Management.. <i>Environment-Behaviour Proceedings Journal</i> , 2021, 6, 35-42.	0.1	1
81	Innovation of Blackening Labu Sayong. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 66, .	0.3	1
82	Traditional Keris Pandai Saras Design. , 2015, , 17-24.		1
83	Stoneware Clay as a Replacement Material for Artificial Reef Design. , 2015, , 145-152.		1
84	Practice-Based Design Metaphor in Design Problem-Solving: Cultural Implication for Form Development. <i>Advanced Science Letters</i> , 2016, 22, 1307-1309.	0.2	1
85	Blind User Experience Audit: Revealing Underlying Invisible Factors in Design Experience. , 2018, , 499-510.		1
86	Lattice Expansion of BaCe _{0.54} Zr _{0.36} Y _{0.10} O _{3-δ} Ceramic Electrolyte. <i>Solid State Phenomena</i> , 0, 307, 149-153.	0.3	1
87	X-ray analyses and crystallography data of NiO â€“ BaCe _{0.54} Zr _{0.36} Y _{0.10} O _{2.95} composite anode for protonic ceramic fuel cell. <i>Materials Today: Proceedings</i> , 2022, 66, 3989-3992.	0.9	1
88	An Investigation of Structural and Electronic Properties of Novel Cathode Material Li _{2-x} 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.	0.3	0
89	Glucose-Reduced MnO ₂ /Graphene Composites Electrode for Supercapacitor. <i>Advanced Materials Research</i> , 0, 1108, 39-43.	0.3	0
90	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	0

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91	Structural and Magnetic Study on the Effect of Substitution of Cobalt by d-Valent Elements of Co ₂ FeSi Heusler Alloy. Key Engineering Materials, 2016, 708, 37-41.	0.4	0
92	Correlation studies between surface tension energy and ionic mobility in silicone " Dammar thin film for dye sensitized solar cells. AIP Conference Proceedings, 2017, , .	0.3	0
93	All-solution process flexible nanocomposite generator made of BaTiO ₃ nanoparticles and graphene quantum dots. , 2017, , .		0
94	Escalating Product Identity Through Emphasizing Metaphorical Form Element Principles. , 2018, , 517-526.		0
95	Assessing Designers' Perception, Analysis, and Reflective Using Verbal Protocol Analysis. Smart Innovation, Systems and Technologies, 2019, , 51-61.	0.5	0
96	Electrical Conductivity of Y ₃ Doped Ba(Ce,Zr)O ₃ in Wet N ₂ Atmosphere Prepared with the Addition of Brij-97. Solid State Phenomena, 0, 307, 160-165.	0.3	0
97	Physical and Electrical Studies of High Molecular Weight Poly (Methyl Methacrylate) Based Solid Polymer Electrolytes. Solid State Phenomena, 0, 317, 393-399.	0.3	0
98	Folding Paper Technique Incorporation in Plaster Modelling. , 2015, , 703-709.		0
99	Developing Sarawak Motif Elements of Ventilation Pattern Through Ceramic Stoneware Materials. , 2015, , 469-476.		0
100	Morphology and Elemental Composition of Cerate-Zirconate Compound as-Prepared by a Sol-Gel Technique. Acta Physica Polonica A, 2015, 127, 931-933.	0.2	0
101	BIOENERGY PRODUCTION FROM FREEZE DRIED CHLORELLA VULGARIS BIOMASS VIA MICROBIAL FUEL CELL. Journal of Thermal Engineering, 2016, 2, .	0.8	0
102	Verbal Protocol Analysis Strategy for Product Design Cognition: Preliminary Study on Metaphorical Form Element. Advanced Science Letters, 2017, 23, 10947-10951.	0.2	0
103	Elementary Design Styling Formation Strategy Theory. , 2018, , 101-108.		0
104	PALM OIL MILL EFFLUENT'S MICROBIAL FUEL CELL'S OPTIMISATION PROCEDURE BY USING TWO-LEVEL FACTORIAL DESIGN METHOD AND CHEMICAL OXYGEN DEMAND TREATMENT. Journal of Oil Palm Research, 0, , .	2.1	0