Ohhassan

List of Publications by Year
in descending order

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104	809	623574	677027
papers	citations	14 h-index	22 g-index

108	108	108	696
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	X-ray analyses and crystallography data of NiO â€“ BaCeâ,€.54Zrâ,€.36Y0.1O2.95 composite anode for protonic ceramic fuel cell. Materials Today: Proceedings, 2022, 66, 3989-3992.	0.9	1
3	Effect of nickel oxide - Modified BaCe0.54Zr0.36Y0.1O2.95 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
4	The Application of Continuous Improvement (CI) Methodology in Small-Scale (SME) Jewellery / Gold Fabricators Refiners toward Efficient Work Process in Waste Management.. Environment-Behaviour Proceedings Journal, 2021, 6, 35-42.	0.1	1
5	Enhanced mechanism of thermoelectric performance of Bi2Se3 using density functional theory. Materials for Renewable and Sustainable Energy, 2020, 9, 1.	1.5	12
6	Characteristics of Electron Transport Study of Composited Graphene-Zinc Oxide Thin Film Photoanode for Dye-Sensitized Solar Cells. Solid State Phenomena, 2020, 307, 185-191.	0.3	1
7	First-principles study on XV2S4 (X = Ni, Cr, and Mo) counter electrode for dye-sensitized solar cells. Emergent Materials, 2020, 3, 125-131.	3.2	5
8	Chitosan-assisted hydrothermal synthesis of multiferroic BiFeO3: Effects on structural, magnetic and optical properties. Results in Physics, 2019, 15, 102740.	2.0	15
9	Structural and electronic properties of TiO2 polymorphs with effective on-site coulomb repulsion term: DFT+U approaches. Materials Today: Proceedings, 2019, 17, 472-483.	0.9	9
10	Structural, electronic and magnetic properties of Ca, Sr and Ba heterovalent A-site ion substitution in BiFeO3 with different Fe oxidation states. Materials Today: Proceedings, 2019, 7, 686-691.	0.9	2
11	Assessing Designersâ€™ Perception, Analysis, and Reflective Using Verbal Protocol Analysis. Smart Innovation, Systems and Technologies, 2019, , 51-61.	0.5	0
12	Sol-Gel Synthesis of Solid Solution Based on Cerate-Zirconate Ceramics. Solid State Phenomena, 2019, 290, 29-34.	0.3	1
13	First principles study on Zn doped MgO using Hubbard U correction. Materials Research Express, 2019, 6, 094012.	0.8	7
14	Assessing the Attributes of Unconscious Interaction Between Human Cognition and Behavior in Everyday Product Using Image-Based Research Analysis. Smart Innovation, Systems and Technologies, 2019, , 63-73.	0.5	4
15	Lithium-Ion Supercapacitor Using Vertically-aligned Carbon Nanotubes from Direct Growth Technique, and its Electrochemical Characteristics. Portugaliae Electrochimica Acta, 2019, 37, 167-178.	0.4	3
16	Calcination Effect on Structural Trasformation of Barium Titanite Ferroelectric Ceramic by Sol Gel Method. International Journal of Engineering and Advanced Technology, 2019, 9, 5893-5896.	0.2	2
17	Studies of the absorbance peak on the N719 dye influence by combination between Cadmium Selenide (CdSe)QDs and Zinc Sulfide(ZnS)QDs. MATEC Web of Conferences, 2018, 154, 01040.	0.1	2
18	Thermal expansion and lattice parameter of solid electrolyte based on cerate-zirconate ceramics. AIP Conference Proceedings, 2018, , .	0.3	4

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19	A.C. conductivity of BaCe0.54Zr0.36Y0.1O3-Î´ electrolyte in dry and wet nitrogen atmospheres. AIP Conference Proceedings, 2018, , .	0.3	1
20	Escalating Product Identity Through Emphasizing Metaphorical Form Element Principles. , 2018, , 517-526.		0
21	Quantum dot solar cell studies on the influence of Cadmium Selenide(CdSe)QDs and the Zinc Sulfide(ZnS)QDs in the photoanode. MATEC Web of Conferences, 2018, 154, 01039.	0.1	2
22	Advanced Digital Design Prototyping for Manufacturing of Exclusive Wood Carving Furniture Products. , 2018, , 291-297.		2
23	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
24	Elementary Design Styling Formation Strategy Theory. , 2018, , 101-108.		0
25	Blind User Experience Audit: Revealing Underlying Invisible Factors in Design Experience. , 2018, , 499-510.		1
26	First-principles calculation on electronic properties of zinc oxide by zincâ€“air system. Journal of King Saud University, Engineering Sciences, 2017, 29, 278-283.	1.2	17
27	Structural, electronic and optical properties of Bi₂O₃ polymorphs by first-principles calculations for photocatalytic water splitting. Materials Research Express, 2017, 4, 034002.	0.8	17
28	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
29	Investigation of structural, electronic and optical properties of hexagonal LuFeO3using first principles LDAâ€‰â€‰+â€‰â€‰U. Materials Research Express, 2017, 4, 044001.	0.8	5
30	Structural, electronic and optical properties of brookite phase titanium dioxide. Materials Research Express, 2017, 4, 044003.	0.8	9
31	Correlation studies between surface tension energy and ionic mobility in silicone â€“ Dammar thin film for dye sensitized solar cells. AIP Conference Proceedings, 2017, , .	0.3	0
32	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
33	Studies on graphene zinc-oxide nanocomposites photoanodes for high-efficient dye-sensitized solar cells. AIP Conference Proceedings, 2017, , .	0.3	7
34	Properties of Lead-Free Hybrid Organic-Inorganic Halide Perovskite CH3NH3BX3 Using Density Functional Theory. Materials Today: Proceedings, 2017, 4, 5154-5160.	0.9	4
35	Effects of Vanadium Substitution in the Layered LiFeSO 4 OH: A First Principles Investigation. Materials Today: Proceedings, 2017, 4, 5108-5115.	0.9	5
36	Morphological and Electrochemical Properties of Hybridized PPy/rGO Composites. Materials Today: Proceedings, 2017, 4, 5138-5145.	0.9	8

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37	Theoretical study of PbZrTiO3and PbSnZrTiO3using a total-energy planewave-pseudopotential method. Materials Research Express, 2017, 4, 074001.	0.8	3
38	All-solution process flexible nanocomposite generator made of BaTiO<inf>3</inf> nanoparticles and graphene quantum dots. , 2017, , .		0
39	Ablution Function Mean Analysis: A Prototype Design Strategy for Sub-Sanitaryware Manufacturing. Advanced Science Letters, 2017, 23, 10806-10810.	0.2	3
40	Verbal Protocol Analysis Strategy for Product Design Cognition: Preliminary Study on Metaphorical Form Element. Advanced Science Letters, 2017, 23, 10947-10951.	0.2	0
41	Designer Activity Experience: Blind User-Designer Activity Model in Knowing Product Influence Through Blind User Perspective. Advanced Science Letters, 2017, 23, 10815-10821.	0.2	2
42	In-Vitro Design Protocol: Artificial Situation Strategy Uses to Comprehend Designersâ€™ Thought. MATEC Web of Conferences, 2016, 52, 03002.	0.1	19
43	Hubbard U calculations on optical properties of 3d transition metal oxide TiO2. Results in Physics, 2016, 6, 891-896.	2.0	65
44	Effect of lithium intercalation on the structural and electronic properties of layered LiFeSO4OH and layered FeSO4OH using first-principle calculations. Computational Materials Science, 2016, 119, 144-151.	1.4	9
45	An Investigation on the Effect of La³⁺ Alteration on Structural Properties of Perovskite PbTiO₃: Total Energy Calculation. Key Engineering Materials, 2016, 708, 42-45.	0.4	0
46	Structural and Magnetic Study on the Effect of Substitution of Cobalt by d-Valent Elements of Co₂FeSi Heusler Alloy. Key Engineering Materials, 2016, 708, 37-41.	0.4	0
47	Experimental and First-Principles Investigations of Lattice Strain Effect on Electronic and Optical Properties of Biotemplated BiFeO₃ Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 26012-26020.	1.5	16
48	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
49	BIOENERGY PRODUCTION FROM FREEZE DRIED CHLORELLA VULGARIS BIOMASS VIA MICROBIAL FUEL CELL. Journal of Thermal Engineering, 2016, 2, .	0.8	0
50	Practice-Based Design Metaphor in Design Problem-Solving: Cultural Implication for Form Development. Advanced Science Letters, 2016, 22, 1307-1309.	0.2	1
51	Low-energy phases, electronic and optical properties of Bi1â^'La FeO3 solid solution: Ab-initio LDA+U studies. Ceramics International, 2015, 41, 10940-10948.	2.3	16
52	Self-interaction corrected LDA + U investigations of BiFeO₃properties: plane-wave pseudopotential method. Materials Research Express, 2015, 2, 116101.	0.8	30
53	Understanding methodological solution in design situation of novice designer. , 2015, , .		17
54	A Framework of Empirical Study Through Design Practice for Industrial Ceramic Sanitary Ware Design. , 2015, , 683-694.		14

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55	Impedance and Resistivity Behavior of Graphene Oxide-Activated Carbon Hybrids. Advanced Materials Research, 2015, 1107, 530-535.	0.3	1
56	An Investigation of Structural and Electronic Properties of Novel Cathode Material Li₂MnP₂O₇ and its Delithiated Li_{2-x}MnP₂O₇ (x=1,2): A First Principle Study. Advanced Materials Research, 2015, 1107, 485-490.	0.3	0
57	Cellulose acetateâ€“lithium bis(trifluoromethanesulfonyl)imide solid polymer electrolyte: ATR-FTIR and ionic conductivity behavior. Functional Materials Letters, 2015, 08, 1540017.	0.7	11
58	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
59	Folding Paper Technique Incorporation in Plaster Modelling. , 2015, , 703-709.		0
60	Traditional Keris Pandai Saras Design. , 2015, , 17-24.		1
61	Stoneware Clay as a Replacement Material for Artificial Reef Design. , 2015, , 145-152.		1
62	Developing Sarawak Motif Elements of Ventilation Pattern Through Ceramic Stoneware Materials. , 2015, , 469-476.		0
63	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
64	First-Principles Comparative Study of the Electronic and Optical Properties of Tetragonal (P4mm) ATiO₃ (A = Pb,Sn,Ge). Integrated Ferroelectrics, 2014, 155, 23-32.	0.3	23
65	Determination of Electronic Structure and Band Gap of Li2MnP2O7 via First-Principle Study. Integrated Ferroelectrics, 2014, 155, 71-79.	0.3	6
66	Conduction mechanism of lithium bis(oxalato)borateâ€“cellulose acetate polymer gel electrolytes. Ionics, 2014, 20, 1671-1680.	1.2	12
67	First Principles Calculation of Tetragonal (P4 mm) Pb-free Ferroelectric Oxide of SnTiO₃. Ferroelectrics, 2014, 459, 134-142.	0.3	16
68	Influences of Epitaxial Strain and Volume on BaTiO3: Ab Initio Total Energy Calculation. Integrated Ferroelectrics, 2014, 155, 91-99.	0.3	3
69	First Principles LDA+U Calculations for ZnO Materials. Integrated Ferroelectrics, 2014, 155, 15-22.	0.3	71
70	First-Principles Calculation of the Structural, Elastic, Electronic and Lattice Dynamics of GeTiO3. Ferroelectrics, 2013, 452, 122-128.	0.3	8
71	First principles calculation on structural and lattice dynamic of SnTiO3 and SnZrO3. Ceramics International, 2013, 39, S297-S300.	2.3	20
72	Structural, Electronic, and Lattice Dynamics of PbTiO₃, SnTiO₃, and SnZrO₃: A Comparative First-Principles Study. Integrated Ferroelectrics, 2013, 142, 119-127.	0.3	44

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73	Humanistic study in ceramic cereal breakfast set as children learning tool. , 2013, , .		7
74	Local peat soil as ball clay replacement in earthernware. , 2013, , .		16
75	Discovered aesthetic elements of bubbles inspiring ceramics art form. , 2013, , .		8
76	A case study on skeleton constituent as earth related constructive form. , 2013, , .		12
77	Human behaviours influence framework of the ablution tub design. , 2013, , .		10
78	Framework design on stoneware bund for modern Oryza Sativa planting. , 2013, , .		5
79	A fusion design study evolving a Malay modern teapot. , 2013, , .		10
80	A study on drying and joining process for large scale sculpture incorporate with stoneware body. , 2013, , .		12
81	Study on human posture and gesture elements for industrial ceramic robotic artware. , 2013, , .		4
82	Hidden pattern of doodles on ceramic lighting. , 2013, , .		3
83	Innovation of Blackening Labu Sayong. Jurnal Teknologi (Sciences and Engineering), 2013, 66, .	0.3	1
84	Hypothetical framework for luminescence effect as advanced decoration on Labu Sayong. , 2012, , .		12
85	Design research and development process of the Single Deck Bus for commercial production. , 2012, , .		3
86	The theoretical framework study of artificial walet nest template from stoneware body. , 2012, , .		12
87	Design framework of ceramic ablution Tub. , 2012, , .		6
88	Electrical conductivity and thermal expansion of the oxy-cuspidine Gd4Al2O9 substituted with Ca and Sr. Solid State Ionics, 2009, 180, 831-834.	1.3	4
89	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
90	First Principles Study on Structural and Electronic Properties of LiFeSO₄OH Cathode Material for Lithium Ion Batteries. Applied Mechanics and Materials, 0, 510, 33-38.	0.2	1

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91	Synthesis of Graphene via Green Reduction of Graphene Oxide with Simple Sugars. Advanced Materials Research, 0, 1107, 542-546.	0.3	13
92	First Principles Study on Structural and Electronic Properties of LiFeSO₄F Cathode Material for Lithium Ion Batteries. Advanced Materials Research, 0, 1107, 508-513.	0.3	3
93	Glucose-Reduced MnO₂/Graphene Composites Electrode for Supercapacitor. Advanced Materials Research, 0, 1108, 39-43.	0.3	0
94	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
95	First Principles Study on Structural and Electronic Properties of PZT and PSnZT Using Density Functional Theory. Materials Science Forum, 0, 846, 734-739.	0.3	2
96	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
97	Ultrasonic Assisted Synthesis of Reduced Graphene Oxide in Glucose Solution. Key Engineering Materials, 0, 708, 25-29.	0.4	4
98	FTIR Spectrum Investigation of Thionine-Graphene Nanocomposite. Applied Mechanics and Materials, 0, 864, 42-47.	0.2	1
99	Fabrication of Compositionally Gradient Anode Functional Layer for Proton Conducting Fuel Cell at Intermediate Temperatures: A Preliminary Study. Solid State Phenomena, 0, 307, 143-148.	0.3	1
100	Electrical Conductivity of Y³⁺ Doped Ba(Ce,Zr)O₃ in Wet N₂ Atmosphere Prepared with the Addition of Brij-97. Solid State Phenomena, 0, 307, 160-165.	0.3	0
101	Phase Analysis of Cerate and Zirconate Ceramics Powder Prepared by Supercritical Ethanol Using High Temperature-High Pressure Batch Wise Reactor System. Solid State Phenomena, 0, 307, 171-175.	0.3	1
102	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
103	PALM OIL MILL EFFLUENTâ€™S MICROBIAL FUEL CELLâ€™S OPTIMISATION PROCEDURE BY USING TWO-LEVEL FACTORIAL DESIGN METHOD AND CHEMICAL OXYGEN DEMAND TREATMENT. Journal of Oil Palm Research, 0, , .	2.1	0
104	Lattice Expansion of BaCe_{0.54}Zr_{0.36}Y_{0.1}O_{3-Î´}Ceramic Electrolyte. Solid State Phenomena, 0, 307, 149-153.	0.3	1