Ohhassan

List of Publications by Year in descending order

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ΟμμαςςαΝ

| # | 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. | 7.1 | 21 |
| 2 | X-ray analyses and crystallography data of NiO – BaCeâ,€.54Zrâ,€.36Y0.1O2.95 composite anode for protonic ceramic fuel cell. Materials Today: Proceedings, 2022, 66, 3989-3992. | 1.8 | 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. | 7.1 | 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. | 0.2 | 1 |
| 5 | Enhanced mechanism of thermoelectric performance of Bi2Se3 using density functional theory. Materials for Renewable and Sustainable Energy, 2020, 9, 1. | 3.6 | 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. | 5.7 | 5 |
| 8 | Chitosan-assisted hydrothermal synthesis of multiferroic BiFeO3: Effects on structural, magnetic and optical properties. Results in Physics, 2019, 15, 102740. | 4.1 | 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. | 1.8 | 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. | 1.8 | 2 |
| 11 | Assessing Designers' Perception, Analysis, and Reflective Using Verbal Protocol Analysis. Smart Innovation, Systems and Technologies, 2019, , 51-61. | 0.6 | 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. | 1.6 | 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. | 0.6 | 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. | 1.1 | 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. | 0.3 | 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. | 0.2 | 2 |
| 18 | Thermal expansion and lattice parameter of solid electrolyte based on cerate-zirconate ceramics. AIP Conference Proceedings, 2018, , . | 0.4 | 4 |

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|----|--|-----|-----------|
| 19 | A.C. conductivity of BaCe0.54Zr0.36Y0.1O3-ĺ electrolyte in dry and wet nitrogen atmospheres. AlP Conference Proceedings, 2018, , . | 0.4 | 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. | 0.2 | 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. | 0.5 | 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 zinc–air system. Journal of King Saud University, Engineering Sciences, 2017, 29, 278-283. | 2.0 | 17 |
| 27 | 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. | 1.6 | 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 LDA  +  U. Materials Research Express, 2017, 4, 044001. | 1.6 | 5 |
| 30 | Structural, electronic and optical properties of brookite phase titanium dioxide. Materials Research Express, 2017, 4, 044003. | 1.6 | 9 |
| 31 | Correlation studies between surface tension energy and ionic mobility in silicone – Dammar thin film for dye sensitized solar cells. AIP Conference Proceedings, 2017, , . | 0.4 | 0 |
| 32 | A symmetric supercapacitor based on 30% poly (methyl methacrylate) grafted natural rubber (MG30) polymer and activated carbon electrodes. AlP Conference Proceedings, 2017, , . | 0.4 | 5 |
| 33 | Studies on graphene zinc-oxide nanocomposites photoanodes for high-efficient dye-sensitized solar cells. AIP Conference Proceedings, 2017, , . | 0.4 | 7 |
| 34 | Properties of Lead-Free Hybrid Organic-Inorganic Halide Perovskite CH3NH3BX3 Using Density Functional Theory. Materials Today: Proceedings, 2017, 4, 5154-5160. | 1.8 | 4 |
| 35 | Effects of Vanadium Substitution in the Layered LiFeSO 4 OH: A First Principles Investigation. Materials Today: Proceedings, 2017, 4, 5108-5115. | 1.8 | 5 |
| 36 | Morphological and Electrochemical Properties of Hybridized PPy/rGO Composites. Materials Today: Proceedings, 2017, 4, 5138-5145. | 1.8 | 8 |

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|----|---|-----|-----------|
| 37 | Theoretical study of PbZrTiO3and PbSnZrTiO3using a total-energy planewave-pseudopotential method. Materials Research Express, 2017, 4, 074001. | 1.6 | 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 Designers' Thought. MATEC Web of Conferences, 2016, 52, 03002. | 0.2 | 19 |
| 43 | Hubbard U calculations on optical properties of 3d transition metal oxide TiO2. Results in Physics, 2016, 6, 891-896. | 4.1 | 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. | 3.0 | 9 |
| 45 | An Investigation on the Effect of La ³⁺ Alteration on Structural Properties of Perovskite PbTiO ₃ : 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 Co ₂ FeSi 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 BiFeO ₃ Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 26012-26020. | 3.1 | 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. | 2.4 | 18 |
| 49 | BIOENERGY PRODUCTION FROM FREEZE DRIED CHLORELLA VULGARIS BIOMASS VIA MICROBIAL FUEL CELL. Journal of Thermal Engineering, 2016, 2, . | 1.6 | 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. | 4.8 | 16 |
| 52 | Self-interaction corrected LDA + U investigations of BiFeO ₃ properties: plane-wave pseudopotential method. Materials Research Express, 2015, 2, 116101. | 1.6 | 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 Li ₂ MnP ₂ O ₇ and its Delithiated Li _{2-x} MnP ₂ O ₇ (x=1,2): A First Principle Study. Advanced Materials Research, 2015, 1107, 485-490. | 0.3 | 0 |
| 57 | Cellulose acetate–lithium bis(trifluoromethanesulfonyl)imide solid polymer electrolyte: ATR-FTIR and ionic conductivity behavior. Functional Materials Letters, 2015, 08, 1540017. | 1.2 | 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. | 0.4 | 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. | 0.5 | 0 |
| 64 | 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. | 0.7 | 23 |
| 65 | Determination of Electronic Structure and Band Gap of Li2MnP2O7 via First-Principle Study. Integrated Ferroelectrics, 2014, 155, 71-79. | 0.7 | 6 |
| 66 | Conduction mechanism of lithium bis(oxalato)borate–cellulose acetate polymer gel electrolytes. Ionics, 2014, 20, 1671-1680. | 2.4 | 12 |
| 67 | First Principles Calculation of Tetragonal (P4 mm) Pb-free Ferroelectric Oxide of SnTiO ₃ . Ferroelectrics, 2014, 459, 134-142. | 0.6 | 16 |
| 68 | Influences of Epitaxial Strain and Volume on BaTiO3: Ab Initio Total Energy Calculation. Integrated Ferroelectrics, 2014, 155, 91-99. | 0.7 | 3 |
| 69 | First Principles LDA+U Calculations for ZnO Materials. Integrated Ferroelectrics, 2014, 155, 15-22. | 0.7 | 71 |
| 70 | First-Principles Calculation of the Structural, Elastic, Electronic and Lattice Dynamics of GeTiO3. Ferroelectrics, 2013, 452, 122-128. | 0.6 | 8 |
| 71 | First principles calculation on structural and lattice dynamic of SnTiO3 and SnZrO3. Ceramics International, 2013, 39, S297-S300. | 4.8 | 20 |
| 72 | Structural, Electronic, and Lattice Dynamics of PbTiO ₃ , SnTiO ₃ , and SnZrO ₃ : A Comparative First-Principles Study. Integrated Ferroelectrics, 2013, 142, 119-127. | 0.7 | 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, . | 0.4 | 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. | 2.7 | 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 LiFeSO ₄ OH 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 LiFeSO ₄ F Cathode Material for Lithium Ion Batteries. Advanced Materials Research, 0, 1107, 508-513. | 0.3 | 3 |
| 93 | Glucose-Reduced MnO ₂ /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 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 |
| 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 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 |
| 104 | Lattice Expansion of BaCe _{0.54} Zr _{0.36} Y _{0.1} O _{3-l̂´ } Ceramic Electrolyte. Solid State Phenomena, 0, 307, 149-153. | 0.3 | 1 |