

Mohd Sukor Su'ait

List of Publications by Year in descending order

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72
papers

1,686
citations

257450

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38
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docs citations

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times ranked

1858
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Performance-Enhancing Sulfur-Doped TiO ₂ Photoanodes for Perovskite Solar Cells. Applied Sciences (Switzerland), 2022, 12, 429. | 2.5 | 3 |
| 2 | Perspectives in biopolymer/graphene-based composite application: Advances, challenges, and recommendations. Nanotechnology Reviews, 2022, 11, 1525-1554. | 5.8 | 8 |
| 3 | Effects of Isocyanate-to-Polyols (NCO/OH) Ratio on Bio-based Polyurethane Film from Palm Kernel Oil based Monoester Polyols (PKO-p) for Polymer Electrolytes Application. Medziagotyra, 2022, 28, 322-332. | 0.2 | 0 |
| 4 | Influence of Electron beam radiation on the properties of Surface-Modified Titania-Filled gel polymer electrolytes using vinyltriethoxysilane (VTES) for lithium battery application. Results in Chemistry, 2022, 4, 100383. | 2.0 | 1 |
| 5 | Oxygen vacancy suppress room temperature ferromagnetism of p-type Cu doped ZnO: Synthesis and density functional theory. , 2022, 167, 207291. | | 5 |
| 6 | Electronic and thermoelectric properties of chalcopyrite compounds Cu ₂ (XY)S ₄ (X=Zn, Cd and Y=Sn), Tj ETQqO O C | 1.8 | 12 |
| 7 | Ab-initio, Monte Carlo and experimental investigation on structural, electronic and magnetic properties of Zn ₁ -Ni O nanoparticles prepared via sol-gel method. Journal of Alloys and Compounds, 2021, 854, 157142. | 5.5 | 10 |
| 8 | Novel approach for the utilization of ionic liquid-based cellulose derivative biosourced polymer electrolytes in safe sodium-ion batteries. Polymer Bulletin, 2021, 78, 5355-5377. | 3.3 | 24 |
| 9 | Structural, morphological and transport properties of Ni doped ZnO thin films deposited by thermal co-evaporation method. Materials Science in Semiconductor Processing, 2021, 123, 105530. | 4.0 | 29 |
| 10 | Free-Radical Photopolymerization of Acrylonitrile Grafted onto Epoxidized Natural Rubber. Polymers, 2021, 13, 660. | 4.5 | 16 |
| 11 | NickelPalladium alloyâ€“reduced graphene oxide as counter electrode for dye-sensitized solar cells. Journal of Molecular Liquids, 2021, 326, 115289. | 4.9 | 18 |
| 12 | Schiff base complex/TiO ₂ chemosensor for visual detection of food freshness level. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119129. | 3.9 | 8 |
| 13 | Adhesion improvement of polyaniline counter electrode in dye-sensitized solar cell using bio-based alkyd. Applied Physics A: Materials Science and Processing, 2021, 127, 1. | 2.3 | 3 |
| 14 | The Influences of 1-Butyl-3-Methylimidazolium Tetrafluoroborate on Electrochemical, Thermal and Structural Studies as Ionic Liquid Gel Polymer Electrolyte. Polymers, 2021, 13, 1277. | 4.5 | 11 |
| 15 | Regenerable and selective histamine impedimetric sensor based on hydroxyl functionalised Schiff base complex electrode. Electrochimica Acta, 2021, 379, 138186. | 5.2 | 15 |
| 16 | In-situ UV cured acrylonitrile grafted epoxidized natural rubber (ACN-g-ENR) â€“ LiTFSI solid polymer electrolytes for lithium-ion rechargeable batteries. Reactive and Functional Polymers, 2021, 164, 104938. | 4.1 | 8 |
| 17 | Promising porous Cu ₂ ZnSnS ₄ electrode composition synthesized by acetate route-based sol-gel process for lithium battery application. Ceramics International, 2021, 47, 20717-20724. | 4.8 | 8 |
| 18 | Chitosan as a paradigm for biopolymer electrolytes in solid-state dye-sensitised solar cells. Polymer, 2021, 230, 124092. | 3.8 | 81 |

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|----|--|-----|-----------|
| 19 | Investigation on size and conductivity of polyaniline nanofiber synthesised by surfactant-free polymerization. <i>Journal of Materials Research and Technology</i> , 2021, 14, 255-261. | 5.8 | 17 |
| 20 | Sol-gel prepared Cu ₂ ZnSnS ₄ (CZTS) semiconductor thin films: Role of solvent removal processing temperature. <i>Materials Science in Semiconductor Processing</i> , 2021, 132, 105874. | 4.0 | 14 |
| 21 | Suppressing the secondary phases via N ₂ preheating of Cu ₂ ZnSnS ₄ thin films with the addition of oleylamine and/or 1-Dodecanethiol solvents. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109031. | 3.9 | 2 |

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Electronic and Magnetic Properties of Mn-doped and (Mn,C)-codoped w-AlN with the Presence of N Vacancy. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3691-3697. | 1.8 | 9 |
| 38 | Theoretical insight into magnetic and thermoelectric properties of Au doped ZnO compounds using density functional theory. <i>Physica B: Condensed Matter</i> , 2019, 562, 67-74. | 2.7 | 25 |
| 39 | In situ sol-gel preparation of ZrO ₂ in nano-composite polymer electrolyte of PVDF-HFP/MG49 for lithium-ion polymer battery. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 665-675. | 2.4 | 22 |
| 40 | Impact of position and concentration of sodium on the photovoltaic properties of zinc oxide solar cells. <i>Physica B: Condensed Matter</i> , 2019, 560, 28-36. | 2.7 | 21 |
| 41 | Synthesis and characterizations of o-nitrochitosan based biopolymer electrolyte for electrochemical devices. <i>PLoS ONE</i> , 2019, 14, e0212066. | 2.5 | 33 |
| 42 | Bio-Based Polycationic Polyurethane as an Ion-Selective Membrane for Nitrate Tapered Optical Fiber Sensors. <i>IEEE Access</i> , 2019, 7, 157103-157112. | 4.2 | 6 |
| 43 | Characteristics of ionically conducting jatropaha oil-based polyurethane acrylate gel electrolyte doped with potassium iodide. <i>Materials Chemistry and Physics</i> , 2019, 222, 110-117. | 4.0 | 27 |
| 44 | Frontispiece: Perovskite Solar Cells: From the Laboratory to the Assembly Line. <i>Chemistry - A European Journal</i> , 2018, 24, . | 3.3 | 1 |
| 45 | Palm-based polyurethane-ionic liquid gel polymer electrolyte for quasi-solid state dye sensitized solar cell. <i>Industrial Crops and Products</i> , 2018, 113, 406-413. | 5.2 | 32 |
| 46 | Progress towards highly stable and lead-free perovskite solar cells. <i>Materials for Renewable and Sustainable Energy</i> , 2018, 7, 1. | 3.6 | 31 |
| 47 | Perovskite Solar Cells: From the Laboratory to the Assembly Line. <i>Chemistry - A European Journal</i> , 2018, 24, 3083-3100. | 3.3 | 118 |
| 48 | Signal to Noise Improvement Ratio of TDM-FBG Sensor Based on Golay Complementary Codes. , 2018, , . | | 2 |
| 49 | Enhancement of Plasticizing Effect on Bio-Based Polyurethane Acrylate Solid Polymer Electrolyte and Its Properties. <i>Polymers</i> , 2018, 10, 1142. | 4.5 | 26 |
| 50 | Ionic Conductive Polyurethane-Graphene Nanocomposite for Performance Enhancement of Optical Fiber Bragg Grating Temperature Sensor. <i>IEEE Access</i> , 2018, 6, 47355-47363. | 4.2 | 29 |
| 51 | P-type Cu ₂ ZnSnS ₄ as Multifunctional Material for Photovoltaic and Thermoelectric Application: Theoretical Investigation. <i>Jurnal Kejuruteraan</i> , 2018, S11, 15-22. | 0.3 | 3 |
| 52 | Effects of Iodide/Triiodide (I ⁻ /I ₃ ⁻) Ratios on Palm Based Polyurethane Polymer Electrolyte for Solid-State Dye-Sensitized Solar Cell. <i>Jurnal Kejuruteraan</i> , 2018, S11, 63-68. | 0.3 | 6 |
| 53 | Kajian Elektrolit Polimer berasaskan Getah Asli Terubah Suai (MG49) dalam Sel Suria Terpeka Pewarna. <i>Sains Malaysiana</i> , 2018, 47, 2667-2676. | 0.5 | 3 |
| 54 | Charge-Discharge Characteristics Improvement Through Optimization of Voltage Range for LiNiCoMnO ₂ Electrode for High Energy Density Lithium-Ion Batteries. <i>Jurnal Kejuruteraan</i> , 2018, 30, 229-234. | 0.3 | 1 |

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|----|---|-----|-----------|
| 55 | Battery management systems (BMS) optimization for electric vehicles (EVs) in Malaysia. AIP Conference Proceedings, 2017, , . | 0.4 | 3 |
| 56 | TiO ₂ -SiO ₂ -Reinforced Methylated Grafted Natural Rubber (MG49-TiO ₂ -SiO ₂) Polymer Nanocomposites: Preparation, Optimization and Characterization. Polymers and Polymer Composites, 2016, 24, 747-754. | 1.9 | 4 |
| 57 | Effect of ionic liquid 1-butyl-3-methylimidazolium bis(trifluoromethanesulfonyl)imide on the properties of poly(glycidyl methacrylate) based solid polymer electrolytes. Russian Journal of Electrochemistry, 2016, 52, 362-373. | 0.9 | 12 |
| 58 | Synthesis of palm-based polyurethane-LiClO ₄ via prepolymerization. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 59 | Review on polymer electrolyte in dye-sensitized solar cells (DSSCs). Solar Energy, 2015, 115, 452-470. | 6.1 | 248 |
| 60 | The potential of polyurethane bio-based solid polymer electrolyte for photoelectrochemical cell application. International Journal of Hydrogen Energy, 2014, 39, 3005-3017. | 7.1 | 76 |
| 61 | Polymer electrolyte for photoelectrochemical cell and dye-sensitized solar cell: a brief review. Ionics, 2014, 20, 1201-1205. | 2.4 | 16 |
| 62 | Production of Cu ₂ (Zn,Fe)SnS ₄ powders for thin film solar cell by high energy ball milling. Journal of Power Sources, 2013, 230, 70-75. | 7.8 | 29 |
| 63 | Preparation and characterization of blended solid polymer electrolyte 49% poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 of Solid State Electrochemistry, 2012, 16, 2275-2282. | 2.5 | 11 |
| 64 | Morphological, infrared, and ionic conductivity studies of poly(ethylene oxide)â€“49% poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Journal of Applied Polymer Science, 2012, 124, 4222-4229. | 2.6 | 11 |
| 65 | Effect of lithium salt concentrations on blended 49% poly(methyl methacrylate) grafted natural rubber and poly(methyl methacrylate) based solid polymer electrolyte. Electrochimica Acta, 2011, 57, 123-131. | 5.2 | 64 |
| 66 | Study of MG49-PMMA Based Solid Polymer Electrolyte. Open Materials Science Journal, 2011, 5, 170-177. | 0.2 | 30 |
| 67 | Ionic conductivity studies of 49% poly(methyl methacrylate)-grafted natural rubber-based solid polymer electrolytes. Ionics, 2009, 15, 497-500. | 2.4 | 33 |
| 68 | Preparation and characterization of PMMAâ€“MG49â€“LiClO ₄ solid polymeric electrolyte. Journal Physics D: Applied Physics, 2009, 42, 055410. | 2.8 | 39 |
| 69 | Preparation and characterization of PVCâ€“LiClO ₄ based composite polymer electrolyte. Physica B: Condensed Matter, 2008, 403, 4128-4131. | 2.7 | 26 |
| 70 | Properties of Gel Polymer Electrolyte Based Poly(Vinylidene Fluoride- N -Hexafluoropropylene) (PVdF-HFP), Lithium Perchlorate (LiClO ₄) and 1-Butyl-3-Methylimidazoliumhexafluorophosphate [PF ₆]. Solid State Phenomena, 0, 317, 434-439. | 0.3 | 0 |
| 71 | Poly(Vinyl Alcohol)/ N-Methylene Phosphonic Chitosan/ 2-Hydroxyethylammonium Formate (PVA/NMPC/2-HEAF) Membrane for Fuel Cell Application. Solid State Phenomena, 0, 317, 440-446. | 0.3 | 0 |
| 72 | Supercapacitor performance gains from structural modification of carbon electrodes using gamma radiations. Journal of Electrochemical Science and Engineering, 0, , . | 3.5 | 1 |