

# Andanastuti Muchtar

## List of Publications by Year in descending order

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197  
papers

3,201  
citations

212478

28  
h-index

242451

47  
g-index

199  
all docs

199  
docs citations

199  
times ranked

3142  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Review of X-ray Photoelectron Spectroscopy Technique to Analyze the Stability and Degradation Mechanism of Solid Oxide Fuel Cell Cathode Materials. <i>Materials</i> , 2022, 15, 2540.  | 1.3 | 10        |
| 2  | Layering Optimization of the SrFe <sub>0.9</sub> Ti <sub>0.1</sub> O <sub>3</sub> ~Î€~Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>1.9</sub> Composite Cathode. <i>Molecules</i> , 2022, 27, 2549.  | 1.7 | 2         |
| 3  | Synthesis and preliminary study of the multilayer LiCo <sub>0.6</sub> Ni <sub>0.4</sub> O <sub>2</sub> as solid oxide fuel cell cathode. <i>AIP Conference Proceedings</i> , 2022, , .  | 0.3 | 0         |
| 4  | Electrochemical Evaluation of Nickel Oxide Addition toward Lanthanum Strontium Cobalt Ferrite Cathode for Intermediate Temperature Solid Oxide Fuel Cell (IT-SOFCs). <i>Energies</i> , 2022, 15, 5188.  | 1.6 | 2         |
| 5  | Electrophoretic deposition of (Cu,Mn,Co) <sub>3</sub> O <sub>4</sub> spinel coating on SUS430 ferritic stainless steel: Process and performance evaluation for solid oxide fuel cell interconnect applications. <i>Journal of the European Ceramic Society</i> , 2021, 41, 1360-1373. | 2.8 | 26        |
| 6  | Effect of yttrium-stabilized bismuth bilayer electrolyte thickness on the electrochemical performance of anode-supported solid oxide fuel cells. <i>Ceramics International</i> , 2021, 47, 6310-6317.   | 2.3 | 10        |
| 7  | A review on the preparation of anode materials and anode films for solid oxide fuel cell applications. <i>International Journal of Energy Research</i> , 2021, 45, 14357-14388.   | 2.2 | 9         |
| 8  | Catalytic Performance of Calcium-Lanthanum co-doped Ceria (Ce <sub>0.85-x</sub> La <sub>0.15</sub> CaxO <sub>2-Î</sub> ) in Partial Oxidation of Methane. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2021, 16, 548-554.   | 0.5 | 0         |
| 9  | Micro~computed tomography evaluation of dentinal microcracks following canal preparation with thermomechanically heat~treated engine~driven files. <i>Australian Endodontic Journal</i> , 2021, , .   | 0.6 | 3         |
| 10 | Effect of Synthesis Method of Nickel~Samarium-Doped Ceria Anode on Distribution of Triple-Phase Boundary and Electrochemical Performance. <i>Crystals</i> , 2021, 11, 513.  | 1.0 | 0         |
| 11 | Influence of mixing time during glycine~nitrate process on the structural properties and reducibility of a dual-phase Ni~Cu~Mn spinel catalyst. <i>Ceramics International</i> , 2021, 47, 34712-34720.  | 2.3 | 2         |
| 12 | Improvement of microbial fuel cell performance using novel kaolin earthenware membrane coated with a polybenzimidazole layer. <i>Energy Science and Engineering</i> , 2021, 9, 2342-2353.   | 1.9 | 14        |
| 13 | Machinability of a newly developed pre-sintered zirconia block for dental crown applications. <i>Materials Letters</i> , 2020, 261, 126996.   | 1.3 | 17        |
| 14 | Effects of temperature on the chemical composition of tars produced from the gasification of coconut and palm kernel shells using downdraft fixed-bed reactor. <i>Fuel</i> , 2020, 265, 116910.   | 3.4 | 18        |
| 15 | The influence of titanate coupling agent on the performance of barium titanate/PMMA denture base nanocomposites after SBF storage. <i>Journal of Thermoplastic Composite Materials</i> , 2020, , 089270572096216.   | 2.6 | 3         |
| 16 | Enhanced performance of lithiated cathode materials of LiCo <sub>0.6</sub> X <sub>0.4</sub> O <sub>2</sub> (X = Mn, Sr, Zn) for proton~conducting solid oxide fuel cell applications. <i>International Journal of Energy Research</i> , 2020, 44, 11783-11793.                        | 2.2 | 8         |
| 17 | Carbonate-Based Lanthanum Strontium Cobalt Ferrite (LSCF)~Samarium-Doped Ceria (SDC) Composite Cathode for Low-Temperature Solid Oxide Fuel Cells. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3761.  | 1.3 | 9         |
| 18 | Review of composite cathodes for intermediate-temperature solid oxide fuel cell applications. <i>Ceramics International</i> , 2020, 46, 23314-23325.  | 2.3 | 95        |

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|----|--|-----|-----------|
| 19 | Low-cost novel clay earthenware as separator in microbial electrochemical technology for power output improvement. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1369-1379.   | 1.7 | 28        |
| 20 | Performance of Ni/10Sc1CeSZ anode synthesized by glycine nitrate process assisted by microwave heating in a solid oxide fuel cell fueled with hydrogen or methane. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 711-722.   | 1.2 | 15        |
| 21 | Influence of alloying elements on cellular response and in-vitro corrosion behavior of titanium-molybdenum-chromium alloys for implant materials. <i>Journal of Prosthodontic Research</i> , 2020, 64, 490-497.  | 1.1 | 14        |
| 22 | Influence of Thermal Conductivity on the Thermal Behavior of Intermediate-Temperature Solid Oxide Fuel Cells. <i>Journal of Electrochemical Science and Technology</i> , 2020, 11, 132-139.  | 0.9 | 1         |
| 23 | Electrochemical performance of La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> cathode in air and wet air for BaCe <sub>0.54</sub> Zr <sub>0.36</sub> Y <sub>0.1</sub> O <sub>3</sub> -based proton-conducting solid oxide fuel cell. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012136.        | 0.2 | 2         |
| 24 | Performance of LiCo <sub>0.6</sub> Zn <sub>0.4</sub> O <sub>2</sub> as a potential cathode material candidate for intermediate solid oxide fuel cell application. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012139.   | 0.2 | 3         |
| 25 | Optimisation of screen-printed La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> cathode film for intermediate temperature proton-conducting solid oxide fuel cell application. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 268, 012137.  | 0.2 | 3         |
| 26 | Sol-Gel Synthesis of Solid Solution Based on Cerate-Zirconate Ceramics. <i>Solid State Phenomena</i> , 2019, 290, 29-34.   | 0.3 | 1         |
| 27 | Effect of sintering on the microstructure and mechanical properties of alloy titanium-wollastonite composite fabricated by powder injection moulding process. <i>Ceramics International</i> , 2019, 45, 11648-11653.   | 2.3 | 18        |
| 28 | Effect of particle size and temperature on gasification performance of coconut and palm kernel shells in downdraft fixed-bed reactor. <i>Energy</i> , 2019, 175, 931-940.  | 4.5 | 45        |
| 29 | Structural, morphological, and electrochemical behavior of titanium-doped SrFe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3-<math>\delta</math></sub> (x = 0.1-0.5) perovskite as a cobalt-free solid oxide fuel cell cathode. <i>Ceramics International</i> , 2019, 45, 12903-12909.   | 2.3 | 18        |
| 30 | Influence of current collecting and functional layer thickness on the performance stability of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> -Ce <sub>0.8</sub> Sm <sub>0.2</sub> O <sub>1.9</sub> composite cathode. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1155-1164. | 1.2 | 9         |
| 31 | Effect of sintering temperature on the aging resistance and mechanical properties of monolithic zirconia. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1092-1101.  | 2.6 | 37        |
| 32 | Synthesis and characterization of cobalt-free SrFe <sub>0.8</sub> Ti <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> cathode powders synthesized through combustion method for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 30682-30691.  | 3.8 | 12        |
| 33 | A comparison of long-term fouling performance by zirconia ceramic filter and cation exchange in microbial fuel cells. <i>International Biodeterioration and Biodegradation</i> , 2019, 136, 63-70.   | 1.9 | 33        |
| 34 | Review on zirconate-cerate-based electrolytes for proton-conducting solid oxide fuel cell. <i>Ceramics International</i> , 2019, 45, 6605-6615.  | 2.3 | 121       |
| 35 | Enhancement of the microstructural and mechanical properties of dental zirconia through combined optimized colloidal processing and cold isostatic pressing. <i>Ceramics International</i> , 2019, 45, 1831-1836.  | 2.3 | 14        |
| 36 | Influence of strontium co-doping on the structural, optical, and electrical properties of erbium-doped ceria electrolyte for intermediate temperature solid oxide fuel cells. <i>Ceramics International</i> , 2019, 45, 5627-5636.   | 2.3 | 34        |

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|----|--|-----|-----------|
| 37 | Synthesis and characterization of M-doped ceria-ternary carbonate composite electrolytes (M=) Tj ETQq1 1 0.784314 rgBT /Overloc<br>Compounds, 2019, 775, 571-580.  | 2.8 | 25        |
| 38 | Kelakuan Pengoksidaan Keluli Tahan Karat Berferit SUS430 dan Kesan Pemeruapan Spesies Cr Bergas kepada Permukaan Katod LSCF dalam Suhu Operasi Sel Fuel Oksida Pepejal. Sains Malaysiana, 2019, 48, 861-869.   | 0.3 | 3         |
| 39 | Effect of ball milling time on the properties of nickeloxide-samarium-doped cerium composite anodes for solid oxide fuel cells. International Journal of Materials and Product Technology, 2019, 59, 16.   | 0.1 | 1         |
| 40 | Influence of oxygen ion enrichment on optical, mechanical, and electrical properties of LSCF perovskite nanocomposite. Ceramics International, 2018, 44, 10433-10442.  | 2.3 | 18        |
| 41 | Preparation of presintered zirconia blocks for dental restorations through colloidal dispersion and cold isostatic pressing. Ceramics International, 2018, 44, 6409-6416.  | 2.3 | 14        |
| 42 | Structural, optical and electrical properties of Ce <sub>0.8</sub> Sm <sub>0.2</sub> -Er O <sub>2</sub> - (x=0.2) Co-doped ceria electrolytes. Ceramics International, 2018, 44, 13639-13648.  | 2.3 | 33        |
| 43 | Optical, mechanical and electrical properties of LSCF-SDC composite cathode prepared by sol-gel assisted rotary evaporation technique. Journal of Sol-Gel Science and Technology, 2018, 86, 493-504.   | 1.1 | 12        |
| 44 | Comparison of performance and ionic concentration gradient of two-chamber microbial fuel cell using ceramic membrane (CM) and cation exchange membrane (CEM) as separators. Electrochimica Acta, 2018, 259, 365-376.   | 2.6 | 58        |
| 45 | Enhanced electrochemical performance of LSCF cathode through selection of optimum fabrication parameters. Journal of Solid State Electrochemistry, 2018, 22, 263-273.  | 1.2 | 25        |
| 46 | Effects of sintering temperature on the structural and electrochemical properties of SrFe <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3</sub> perovskite cathode. International Journal of Applied Ceramic Technology, 2018, 15, 338-348.  | 1.1 | 15        |
| 47 | A review of key parameters for effective electrophoretic deposition in the fabrication of solid oxide fuel cells. Journal of Zhejiang University: Science A, 2018, 19, 811-823.  | 1.3 | 24        |
| 48 | Effect of sintering parameters on physical and mechanical properties of powder injection moulded stainless steel-hydroxyapatite composite. PLoS ONE, 2018, 13, e0206247.   | 1.1 | 12        |
| 49 | Electrical and electrochemical characteristics of La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> cathode materials synthesized by a modified citrate-EDTA sol-gel method assisted with activated carbon for proton-conducting solid oxide fuel cell application. Journal of Sol-Gel Science and Technology, 2018, 86, 617-630. | 1.1 | 26        |
| 50 | Influences of the processing method and sintering temperature on the translucency of polycrystalline yttria-stabilized tetragonal zirconia for dental applications. Ceramics International, 2018, 44, 18641-18649.   | 2.3 | 9         |
| 51 | Synthesis and Characterization of Zn-doped LiCoO <sub>2</sub> Material Prepared via Glycinenitrate Combustion Method for Proton Conducting Solid Oxide Fuel Cell Application. Jurnal Kejuruteraan, 2018, S11, 11-15.   | 0.2 | 5         |
| 52 | 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        |
| 53 | Effects of Filler Size on the Mechanical Properties of Polymer-filled Dental Composites: A Review of Recent Developments. Journal of Physical Science, 2018, 29, 141-165.  | 0.5 | 99        |
| 54 | Electrochemical performance of sol-gel derived La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3-<math>\delta</math></sub> cathode material for proton-conducting fuel cell: A comparison between simple and advanced cell fabrication techniques. Processing and Application of Ceramics, 2018, 12, 277-286.   | 0.4 | 6         |

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|----|--|-----|-----------|
| 55 | Short review on cobalt-free cathodes for solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9149-9155.  | 3.8 | 99        |
| 56 | Metallic interconnects for solid oxide fuel cell: A review on protective coating and deposition techniques. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9219-9229.   | 3.8 | 208       |
| 57 | Challenges in fabricating planar solid oxide fuel cells: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 105-116.  | 8.2 | 109       |
| 58 | Preparation of SrFe <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3-<math>\delta</math></sub> perovskite-structured ceramic using the glycine-nitrate combustion technique. <i>Materials Letters</i> , 2017, 194, 197-201.   | 1.3 | 10        |
| 59 | Erosive wear resistance of dimpled ceramic coatings on mild steels. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 404-408.   | 0.6 | 6         |
| 60 | Enhanced ionic conductivity of scandia-ceria-stabilized-zirconia (10Sc1CeSZ) electrolyte synthesized by the microwave-assisted glycine nitrate process. <i>Ceramics International</i> , 2017, 43, 8119-8125.   | 2.3 | 73        |
| 61 | Influence of mixing time on the purity and physical properties of SrFe <sub>0.5</sub> Ti <sub>0.5</sub> O <sub>3-<math>\delta</math></sub> powders produced by solution combustion. <i>Powder Technology</i> , 2017, 313, 382-388.   | 2.1 | 17        |
| 62 | Formation of sol-gel derived (Cu,Mn,Co) <sub>3</sub> O <sub>4</sub> spinel and its electrical properties. <i>Ceramics International</i> , 2017, 43, 7641-7646.   | 2.3 | 22        |
| 63 | Studies on the effects of titanate and silane coupling agents on the performance of poly (methyl) Tj ETQq1 1 0.784314 rgBT /Overloc  | 1.7 | 39        |
| 64 | Effect of compaction pressure on the performance of a non-symmetrical NiO-SDC/SDC composite anode fabricated by conventional furnace. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 77-81.  | 1.0 | 6         |
| 65 | Enhancement of the interfacial polarization resistance of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> cathode by microwave-assisted combustion method. <i>Ceramics International</i> , 2017, 43, 4647-4654. | 2.3 | 26        |
| 66 | Properties of screen-printed nickel/scandia-stabilized-zirconia anodes fabricated using rheologically optimized inks during redox cycles. <i>Journal of Materials Science</i> , 2017, 52, 7175-7185.   | 1.7 | 7         |
| 67 | Screen-printing inks for the fabrication of solid oxide fuel cell films: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 426-439.  | 8.2 | 105       |
| 68 | Evaluation of shear bond strength of a novel nano-zirconia and veneering ceramics. <i>Ceramics International</i> , 2017, 43, 1272-1277.  | 2.3 | 5         |
| 69 | Synthesis and characterization of uniform-sized cubic ytterbium scandium co-doped zirconium oxide (1Yb10ScSZ) nanoparticles by using basic amino acid as organic precursor. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9274-9283.                         | 3.8 | 6         |
| 70 | Ce <sub>0.80</sub> Sm <sub>0.10</sub> Ba <sub>0.05</sub> Er <sub>0.05</sub> O <sub>2-<math>\delta</math></sub> multi-doped ceria electrolyte for intermediate temperature solid oxide fuel cells. <i>Ceramics International</i> , 2017, 43, 1265-1271.                     | 2.3 | 35        |
| 71 | Morphological and Physical Behaviour of LSCF-SDCC-Ag Composite Cathode with the Incorporation of Ag as an Additive Element. <i>Journal of Physics: Conference Series</i> , 2017, 914, 012011.  | 0.3 | 1         |
| 72 | Review of titanate coupling agents and their application for dental composite fabrication. <i>Dental Materials Journal</i> , 2017, 36, 539-552.  | 0.8 | 38        |

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|----|---|-----|-----------|
| 73 | Kesan Suhu Pensinteran terhadap Sifat Mekanik dan Mikrostruktur Alumina- Zirkonia yang Difabrikasi dengan Kaedah Pengacuan Suntikan Seramik. Sains Malaysiana, 2017, 46, 1979-1986.   | 0.3 | 3         |
| 74 | Effect of sintering temperature on the microstructure and ionic conductivity of Ce <sub>0.8</sub> Sm <sub>0.1</sub> Ba <sub>0.1</sub> O <sub>2</sub> - $\dot{\gamma}$ electrolyte. Processing and Application of Ceramics, 2017, 11, 67-74. | 0.4 | 23        |
| 75 | Processing of composites based on NiO, samarium-doped ceria and carbonates (NiO-SDCC) as anode support for solid oxide fuel cells. Processing and Application of Ceramics, 2017, 11, 206-212.   | 0.4 | 3         |
| 76 | Sinteran Hidroksiapatit dalam Atmosfera Nitrogen untuk Peningkatan Sifat Mikrokekerasan. Sains Malaysiana, 2017, 46, 1635-1640.   | 0.3 | 0         |
| 77 | INFLUENCE OF PROCESSING ON MECHANICAL PROPERTIES OF 3Y-TZP FOR DENTAL APPLICATIONS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .  | 0.3 | 0         |
| 78 | INFLUENCE OF SINTERING TEMPERATURE ON TRANSLUCENCY OF YTTRIA-STABILIZED ZIRCONIA FOR DENTAL CROWN APPLICATIONS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .  | 0.3 | 2         |
| 79 | Effect of manganese oxide on the sinterability of 8 mol% yttria-stabilized zirconia. Materials Characterization, 2016, 120, 331-336.  | 1.9 | 7         |
| 80 | Microwave sintering of ceria-doped scandia stabilized zirconia as electrolyte for solid oxide fuel cell. International Journal of Hydrogen Energy, 2016, 41, 14184-14190.   | 3.8 | 22        |
| 81 | Thermal Decomposition of Cobalt-free SrFe <sub>0.9</sub> Ti <sub>0.1</sub> O <sub>3</sub> - $\dot{\gamma}$ Cathode for Intermediate Temperature Solid Oxide Fuel Cell. Procedia Engineering, 2016, 148, 72-77.                              | 1.2 | 6         |
| 82 | Nanostructured Cu-CGO anodes fabricated using a microwave-assisted glycine-nitrate process. Journal of Physics and Chemistry of Solids, 2016, 98, 91-99.  | 1.9 | 13        |
| 83 | Morphological and electron mobility studies in nanograss In <sub>2</sub> O <sub>3</sub> DSSC incorporating multi-walled carbon nanotubes. Ionics, 2016, 22, 1985-1997.  | 1.2 | 14        |
| 84 | Effects of sintering on the mechanical and ionic properties of ceria-doped scandia stabilized zirconia ceramic. Ceramics International, 2016, 42, 14469-14474.  | 2.3 | 17        |
| 85 | Improved catalytic activity of Pt/rGO counter electrode in In <sub>2</sub> O <sub>3</sub> -based DSSC. Ionics, 2016, 22, 2487-2497.   | 1.2 | 8         |
| 86 | 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        |
| 87 | The Effect of NiO Content on the Physical Properties of NiO-Samarium Doped Ceria Carbonate Composite Anode Powder for Solid Oxide Fuel Cells. Advanced Materials Research, 2016, 1133, 18-22.   | 0.3 | 1         |
| 88 | Optical, morphology and electrical properties of In <sub>2</sub> O <sub>3</sub> incorporating acid-treated single-walled carbon nanotubes based DSSC. Journal Physics D: Applied Physics, 2016, 49, 075601.                                 | 1.3 | 14        |
| 89 | Influence of heat treatment process in In <sub>2</sub> O <sub>3</sub> -MWCNTs as photoanode in DSSCs. Ionics, 2016, 22, 711-719.  | 1.2 | 9         |
| 90 | Nanostructured and Nonsymmetrical NiO-SDC/SDC Composite Anode Performance via a Microwave-Assisted Route for Intermediate-Temperature Solid Oxide Fuel Cells. Materials and Manufacturing Processes, 2016, 31, 1301-1305.                   | 2.7 | 8         |

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|-----|--|-----|-----------|
| 91  | Comparative wear study of plasma sprayed TiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> on mild steels. Tribology International, 2016, 93, 681-686.   | 3.0 | 49        |
| 92  | INFLUENCE OF SINTERING TEMPERATURE ON THE POLARIZATION RESISTANCE OF La <sub>0.20</sub> Sr <sub>0.40</sub> Co <sub>0.20</sub> Fe <sub>0.80</sub> O <sub>3-<math>\delta</math></sub> - SDC CARBONATE COMPOSITE CATHODE. Ceramics - Silikaty, 2016, , 115-121. | 0.2 | 15        |
| 93  | INFLUENCE OF SINTERING TEMPERATURE ON NiO-SDCC ANODE FOR LOW-TEMPERATURE SOLID OXIDE FUEL CELLS (LT-SOFCs). Ceramics - Silikaty, 2016, , 317-323.  | 0.2 | 5         |
| 94  | PREPARATION OF LANTHANUM STRONTIUM COBALT OXIDE POWDER BY A MODIFIED SOL-GEL METHOD. Malaysian Journal of Analytical Sciences, 2016, 20, 1458-1466.  | 0.2 | 9         |
| 95  | FABRICATION OF Y-TZP FOR DENTAL CROWNS APPLICATIONS BY COMBINING SLIP CASTING AND COLD ISOSTATIC PRESSING. Malaysian Journal of Analytical Sciences, 2016, 20, 642-650.  | 0.2 | 3         |
| 96  | Review on anode material development in solid oxide fuel cells. AIP Conference Proceedings, 2015, , .  | 0.3 | 1         |
| 97  | Structural, Morphological, and Electron Transport Studies of Annealing Dependent In <sub>2</sub> O <sub>3</sub> /Dye-Sensitized Solar Cell. Scientific World Journal, The, 2015, 2015, 1-10.   | 0.8 | 18        |
| 98  | IMPROVEMENT OF MECHANICAL PROPERTIES OF Y-TZP VIA CERIA ADDITION AND COLD ISOSTATIC PRESSING METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .  | 0.3 | 0         |
| 99  | Types of Failures in Porcelain-Fused-to-Metal Dental Restoration. IFMBE Proceedings, 2015, , 345-348.  | 0.2 | 1         |
| 100 | Characterization of IT-SOFC non-symmetrical anode sintered through conventional furnace and microwave. Ceramics International, 2015, 41, 5663-5669.  | 2.3 | 12        |
| 101 | A review on the selection of anode materials for solid-oxide fuel cells. Renewable and Sustainable Energy Reviews, 2015, 51, 1-8.  | 8.2 | 171       |
| 102 | Effect of Morphology on SnO <sub>2</sub> /MWCNT-Based DSSC Performance with Various Annealing Temperatures. Advanced Materials Research, 2015, 1107, 649-654.  | 0.3 | 7         |
| 103 | Optimization of pH and dispersant amount of Y-TZP suspension for colloidal stability. Ceramics International, 2015, 41, 9939-9946.   | 2.3 | 30        |
| 104 | Influence of Binary Carbonate on the Physical and Chemical Properties of Composite Cathode for Low-Temperature SOFC. Advanced Materials Research, 2015, 1087, 177-181.   | 0.3 | 5         |
| 105 | Understanding the Rheology of Screen-Printing Inks for the Fabrication of SOFC Thick Films. ECS Transactions, 2015, 68, 1323-1331.   | 0.3 | 3         |
| 106 | Effect of sintering temperature on surface morphology and electrical properties of samarium-doped ceria carbonate for solid oxide fuel cells. Ceramics International, 2015, 41, 1323-1332.   | 2.3 | 24        |
| 107 | Development of Translucent Zirconia for Dental Crown Applications. Asian Journal of Scientific Research, 2015, 8, 342-350.   | 0.3 | 6         |
| 108 | Influence Of Composition and Sintering Temperature on Density for Pure and Titanium Alloy Foams. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .  | 0.3 | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | The effects of sintering behavior of zirconia-doped hydroxyapatite for clinical applications. <i>Materials Research Innovations</i> , 2014, 18, S6-151-S6-154.  | 1.0 | 0         |
| 110 | Type of Failure of Zirconia-Based Ceramics in Dental Laboratory in Misurata, Libya. <i>Applied Mechanics and Materials</i> , 2014, 575, 22-25.  | 0.2 | 1         |
| 111 | Effects of Milling Techniques and Calcinations Temperature on the Composite Cathode Powder LSCF-SDC Carbonate. <i>Advanced Materials Research</i> , 2014, 893, 325-328.   | 0.3 | 0         |
| 112 | Stainless steel 316L hydroxyapatite composite via powder injection moulding: rheological and mechanical properties characterisation. <i>Materials Research Innovations</i> , 2014, 18, S6-100-S6-104.           | 1.0 | 3         |
| 113 | Sintering studies of synthesised manganese-oxide-doped calcium phosphate via wet chemical precipitation method. <i>Materials Research Innovations</i> , 2014, 18, S6-147-S6-150.                                | 1.0 | 0         |
| 114 | A Review of the Low-Temperature Degradation of Dental Zirconia. <i>Applied Mechanics and Materials</i> , 2014, 606, 85-88.  | 0.2 | 1         |
| 115 | Functionalisation of ethylene propylene copolymer by melt grafting of maleic anhydride using a high shear internal mixer. <i>Materials Research Innovations</i> , 2014, 18, S6-36-S6-42.                        | 1.0 | 0         |
| 116 | Sintering of Hydroxyapatite/Yttria Stabilized Zirconia Nanocomposites under Nitrogen Gas for Dental Materials. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-6.                          | 1.0 | 9         |
| 117 | Perspectives for Titanium-Derived Fillers Usage on Denture Base Composite Construction: A Review Article. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-13.                              | 1.0 | 24        |
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