List of Publications by Year in descending order

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RIZVAN RAZA

| # | Article | IF | CITATIONS |
|----|--|------------------------------|---------------|
| 1 | Persistent DNA damage signalling triggers senescence-associated inflammatory cytokine secretion. Nature Cell Biology, 2009, 11, 973-979. | 10.3 | 1,734 |
| 2 | An ultra-high energy density flexible asymmetric supercapacitor based on hierarchical fabric decorated with 2D bimetallic oxide nanosheets and MOF-derived porous carbon polyhedra. Journal of Materials Chemistry A, 2019, 7, 946-957. | 10.3 | 242 |
| 3 | Novel core–shell SDC/amorphous Na2CO3 nanocomposite electrolyte for low-temperature SOFCs. Electrochemistry Communications, 2008, 10, 1617-1620. | 4.7 | 196 |
| 4 | Schottky Junction Effect on High Performance Fuel Cells Based on Nanocomposite Materials. Advanced Energy Materials, 2015, 5, 1401895. | 19.5 | 166 |
| 5 | Renewable energy technologies in Pakistan: Prospects and challenges. Renewable and Sustainable Energy Reviews, 2009, 13, 1657-1662. | 16.4 | 145 |
| 6 | An Electrolyteâ€Free Fuel Cell Constructed from One Homogenous Layer with Mixed Conductivity. Advanced Functional Materials, 2011, 21, 2465-2469. | 14.9 | 143 |
| 7 | Improved ceria–carbonate composite electrolytes. International Journal of Hydrogen Energy, 2010, 35, 2684-2688. | 7.1 | 129 |
| 8 | A Brief Description of High Temperature Solid Oxide Fuel Cell's Operation, Materials, Design, Fabrication Technologies and Performance. Applied Sciences (Switzerland), 2016, 6, 75. | 2.5 | 128 |
| 9 | A new energy conversion technology based on nano-redox and nano-device processes. Nano Energy, 2013, 2, 1179-1185. | 16.0 | 117 |
| 10 | Charge separation and transport in La 0.6 Sr 0.4 Co 0.2 Fe 0.8 O 3-δ and ion-doping ceria heterostructure material for new generation fuel cell. Nano Energy, 2017, 37, 195-202. | 16.0 | 115 |
| 11 | Differential anti-inflammatory effects of immunosuppressive drugs: Cyclosporin, rapamycin and FK-506 on inducible nitric oxide synthase, nitric oxide, cyclooxygenase-2 and PGE2 production. Inflammation Research, 2000, 49, 20-26. | 4.0 | 111 |
| 12 | Fuel cells based on electrolyte and non-electrolyte separators. Energy and Environmental Science, 2011, 4, 2986. | 30.8 | 111 |
| 13 | Heteroatom doped high porosity carbon nanomaterials as electrodes for energy storage in electrochemical capacitors: A review. Journal of Science: Advanced Materials and Devices, 2019, 4, 341-352. | 3.1 | 104 |
| 14 | Preparation and characterization of Sm and Ca co-doped ceria–La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3â~îî} semicond composites for electrolyte-layer-free fuel cells. Journal of Materials Chemistry A, 2016, 4, 15426-15436. | uc torâ €"io |)n @7 |
| 15 | Tuning the Energy Band Structure at Interfaces of the SrFe _{0.75} Ti _{0.25} O _{3â^î^} –Sm _{0.25} Ce _{0.75} O <sub Heterostructure for Fast Ionic Transport. ACS Applied Materials & Interfaces, 2019, 11, 38737-38745.</sub | >2&a0î´ <td>ıb97</td> | ıb 9 7 |
| 16 | A fuel cell with a single component functioning simultaneously as the electrodes and electrolyte. Electrochemistry Communications, 2011, 13, 225-227. | 4.7 | 94 |
| 17 | Single-component and three-component fuel cells. Journal of Power Sources, 2011, 196, 6362-6365. | 7.8 | 93 |
| 18 | Can health education increase uptake of cervical smear testing among Asian women?. BMJ: British Medical Journal, 1991, 302, 833-836. | 2.3 | 85 |

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|----|---|------|-----------|
| 19 | Y3Fe5O12 nanoparticulate garnet ferrites: Comprehensive study on the synthesis and characterization fabricated by various routes. Journal of Magnetism and Magnetic Materials, 2014, 368, 393-400. | 2.3 | 80 |
| 20 | Structural and magnetic properties of yttrium iron garnet (YIG) and yttrium aluminum iron garnet (YAIG) nanoferrites prepared by microemulsion method. Journal of Magnetism and Magnetic Materials, 2016, 401, 425-431. | 2.3 | 80 |
| 21 | Development of recoverable magnetic mesoporous carbon adsorbent for removal of methyl blue and methyl orange from wastewater. Journal of Environmental Chemical Engineering, 2020, 8, 104220. | 6.7 | 80 |
| 22 | Promoted electrocatalytic activity and ionic transport simultaneously in dual functional Ba0.5Sr0.5Fe0.8Sb0.2O3-δ-Sm0.2Ce0.8O2-δ heterostructure. Applied Catalysis B: Environmental, 2021, 298, 120503. | 20.2 | 78 |
| 23 | Semiconductor Electrochemistry for Clean Energy Conversion and Storage. Electrochemical Energy Reviews, 2021, 4, 757-792. | 25.5 | 77 |
| 24 | Mixed ion and electron conductive composites for single component fuel cells: I. Effects of composition and pellet thickness. Journal of Power Sources, 2012, 217, 164-169. | 7.8 | 76 |
| 25 | Semiconductor-ionic Membrane of LaSrCoFe-oxide-doped Ceria Solid Oxide Fuel Cells. Electrochimica Acta, 2017, 248, 496-504. | 5.2 | 74 |
| 26 | Thermal stability study of SDC/Na2CO3 nanocomposite electrolyte for low-temperature SOFCs. International Journal of Hydrogen Energy, 2010, 35, 2580-2585. | 7.1 | 71 |
| 27 | Fuel cell technology for sustainable development in Pakistan – An over-view. Renewable and Sustainable Energy Reviews, 2016, 53, 450-461. | 16.4 | 68 |
| 28 | A single-component fuel cell reactor. International Journal of Hydrogen Energy, 2011, 36, 8536-8541. | 7.1 | 67 |
| 29 | High performance transition metal oxide composite cathode for low temperature solid oxide fuel cells. Journal of Power Sources, 2012, 203, 65-71. | 7.8 | 64 |
| 30 | Achieving high rate and high energy density in an all-solid-state flexible asymmetric pseudocapacitor through the synergistic design of binder-free 3D ZnCo ₂ O ₄ nano polyhedra and 2D layered Ti ₃ C ₂ T _x -MXenes. Journal of Materials Chemistry A, 2019, 7, 24543-24556. | 10.3 | 64 |
| 31 | Polyoxometalates as potent and selective inhibitors of alkaline phosphatases with profound anticancer and amoebicidal activities. Dalton Transactions, 2012, 41, 14329. | 3.3 | 63 |
| 32 | Current State and Future Prospects for Electrochemical Energy Storage and Conversion Systems. Energies, 2020, 13, 5847. | 3.1 | 58 |
| 33 | ZnO/NiO nanocomposite electrodes for low-temperature solid oxide fuel cells. Electrochemistry Communications, 2011, 13, 917-920. | 4.7 | 56 |
| 34 | The energy crisis in Pakistan: A possible solution via biomass-based waste. Journal of Renewable and Sustainable Energy, 2016, 8, . | 2.0 | 56 |
| 35 | Direct lignin fuel cell for power generation. RSC Advances, 2013, 3, 5083. | 3.6 | 55 |
| 36 | High energy density hybrid supercapacitor based on 3D mesoporous cuboidal Mn2O3 and MOF-derived porous carbon polyhedrons. Electrochimica Acta, 2018, 282, 1-9. | 5.2 | 54 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 37 | A new energy conversion technology joining electrochemical and physical principles. RSC Advances, 2012, 2, 5066. | 3.6 | 51 |
| 38 | The Safety and Efficacy of Clarithromycin in Patients with Legionella Pneumonia. Chest, 1991, 100, 1503-1506. | 0.8 | 50 |
| 39 | Recent advance in physical description and material development for single component SOFC: A mini-review. Chemical Engineering Journal, 2022, 444, 136533. | 12.7 | 50 |
| 40 | Study on calcium and samarium co-doped ceria based nanocomposite electrolytes. Journal of Power Sources, 2010, 195, 6491-6495. | 7.8 | 48 |
| 41 | Functional ceria-based nanocomposites for advanced low-temperature (300–600°C) solid oxide fuel cell: A comprehensive review. Materials Today Energy, 2020, 15, 100373. | 4.7 | 48 |
| 42 | Structural, morphological, dielectric and magnetic characterizations of Ni0.6Cu0.2Zn0.2Fe2O4 (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. Ceramics International, 2014, 40, 15821-15829. | 4.8 | 46 |
| 43 | Direct biofuel low-temperature solid oxide fuel cells. Energy and Environmental Science, 2011, 4, 1273. | 30.8 | 45 |
| 44 | Synthesis of mesoporous defective graphene-nanosheets in a space-confined self-assembled nanoreactor: Highly efficient capacitive energy storage. Electrochimica Acta, 2019, 305, 517-527. | 5.2 | 45 |
| 45 | Junction and energy band on novel semiconductor-based fuel cells. IScience, 2021, 24, 102191. | 4.1 | 45 |
| 46 | Design principle and assessing the correlations in Sb-doped Ba0.5Sr0.5FeO3–δ perovskite oxide for enhanced oxygen reduction catalytic performance. Journal of Catalysis, 2021, 395, 168-177. | 6.2 | 44 |
| 47 | Evaluation of BaZr0.8X0.2 (X= Y, Gd, Sm) proton conducting electrolytes sintered at low temperature for IT-SOFC synthesized byAcost effective combustion method. Journal of Alloys and Compounds, 2020, 815, 152389. | 5.5 | 43 |
| 48 | Guanidine functionalized radiation induced grafted anion-exchange membranes for solid alkaline fuel cells. International Journal of Hydrogen Energy, 2015, 40, 786-796. | 7.1 | 41 |
| 49 | Perovskite SrFe 1-x Ti x O 3-δ (x < = 0.1) cathode for low temperature solid oxide fuel cell. Ceramics International, 2018, 44, 10266-10272. | 4.8 | 41 |
| 50 | Electrochemical study on co-doped ceria–carbonate composite electrolyte. Journal of Power Sources, 2012, 201, 121-127. | 7.8 | 40 |
| 51 | Sonochemical Facile Synthesis of Self-Assembled Poly(<i>o</i> -phenylenediamine)/Cobalt Ferrite Nanohybrid with Enhanced Photocatalytic Activity. Industrial & Engineering Chemistry Research, 2016, 55, 6300-6309. | 3.7 | 40 |
| 52 | Effect of Alkali Carbonates (Single, Binary, and Ternary) on Doped Ceria: A Composite Electrolyte for Low-Temperature Solid Oxide Fuel Cells. ACS Applied Materials & Interfaces, 2018, 10, 806-818. | 8.0 | 40 |
| 53 | Early complications after biliary enteric anastomosis for benign diseases: A retrospective analysis. BMC Surgery, 2011, 11, 19. | 1.3 | 38 |
| 54 | Advanced electrolyte-free fuel cells based on functional nanocomposites of a single porous component: analysis, modeling and validation. RSC Advances, 2012, 2, 8036. | 3.6 | 38 |

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|----|---|------|-----------|
| 55 | Comparative study of the nano-composite electrolytes based on samaria-doped ceria for low temperature solid oxide fuel cells (LT-SOFCs). International Journal of Hydrogen Energy, 2013, 38, 16524-16531. | 7.1 | 38 |
| 56 | All in One Multifunctional Perovskite Material for Next Generation SOFC. Electrochimica Acta, 2016, 193, 225-230. | 5.2 | 37 |
| 57 | Preparation and characterization of Sm0.2Ce0.8O1.9/Na2CO3 nanocomposite electrolyte for low-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 3984-3988. | 7.1 | 36 |
| 58 | A nanostructure anode (Cu0.2Zn0.8) for low-temperature solid oxide fuel cell at 400–600°C. Journal of Power Sources, 2010, 195, 8067-8070. | 7.8 | 34 |
| 59 | Synthesis and Biological Evaluation of 3â€thiazolocoumarinyl Schiffâ€base Derivatives as Cholinesterase Inhibitors. Chemical Biology and Drug Design, 2012, 80, 605-615. | 3.2 | 34 |
| 60 | Studies of modified lithiated NiO cathode for low temperature solid oxide fuel cell with ceria-carbonate composite electrolyte. International Journal of Hydrogen Energy, 2013, 38, 370-376. | 7.1 | 34 |
| 61 | Electrochemical study of nanostructured electrode for low-temperature solid oxide fuel cell (LTSOFC). International Journal of Energy Research, 2014, 38, 518-523. | 4.5 | 34 |
| 62 | Identification of sulfonic acids as efficient ecto-5′-nucleotidase inhibitors. European Journal of Medicinal Chemistry, 2013, 70, 685-691. | 5.5 | 33 |
| 63 | Identification of novel chromone based sulfonamides as highly potent and selective inhibitors of alkaline phosphatases. European Journal of Medicinal Chemistry, 2013, 66, 438-449. | 5.5 | 32 |
| 64 | Electrical conductivity enhancement by boron-doping in diamond using first principle calculations. Applied Surface Science, 2015, 334, 40-44. | 6.1 | 32 |
| 65 | An efficient Sm and Ge co-doped ceria nanocomposite electrolyte for low temperature solid oxide fuel cells. Ceramics International, 2018, 44, 170-174. | 4.8 | 32 |
| 66 | Ce _{0.8} (SmZr) _{0.2} O ₂ -carbonate nanocomposite electrolyte for solid oxide fuel cell. International Journal of Energy Research, 2014, 38, 524-529. | 4.5 | 31 |
| 67 | Significance enhancement in the conductivity of core shell nanocomposite electrolytes. RSC Advances, 2015, 5, 86322-86329. | 3.6 | 31 |
| 68 | Development of methanol-fueled low-temperature solid oxide fuel cells. International Journal of Energy Research, 2011, 35, 690-696. | 4.5 | 30 |
| 69 | Electrochemical study of the composite electrolyte based on samaria-doped ceria and containing yttria as a second phase. Solid State Ionics, 2011, 188, 58-63. | 2.7 | 30 |
| 70 | Synthesis of Ba 0.3 Ca 0.7 Co 0.8 Fe 0.2 O 3-δ composite material as novel catalytic cathode for ceria-carbonate electrolyte fuel cells. Electrochimica Acta, 2015, 178, 385-391. | 5.2 | 30 |
| 71 | Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology. ACS Energy Letters, 2017, 2, 2752-2755. | 17.4 | 30 |
| 72 | Diagnostic and Therapeutic Difficulties in Retroperitoneal Abscess. Southern Medical Journal, 2004, 97, 1107-1109. | 0.7 | 29 |

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|----|---|------|-----------|
| 73 | Intraperitoneal lignocaine (lidocaine) versus bupivacaine after laparoscopic cholecystectomy: Results of a randomized controlled trial. Journal of Surgical Research, 2012, 178, 662-669. | 1.6 | 29 |
| 74 | Superionic Conductivity in Ceria-BasedÂHeterostructure Composites for Low-Temperature Solid Oxide Fuel Cells. Nano-Micro Letters, 2020, 12, 178. | 27.0 | 29 |
| 75 | Electrochemical evaluation of mixed ionic electronic perovskite cathode LaNi1-xCoxO3-δfor IT-SOFC synthesized by high temperature decomposition. International Journal of Hydrogen Energy, 2021, 46, 10448-10456. | 7.1 | 29 |
| 76 | Evaluation of Silica-H2SO4 as an Efficient Heterogeneous Catalyst for the Synthesis of Chalcones. Molecules, 2013, 18, 10081-10094. | 3.8 | 27 |
| 77 | Alkaline earth metal and samarium co-doped ceria as efficient electrolytes. Applied Physics Letters, 2018, 112, . | 3.3 | 27 |
| 78 | Promising electrochemical study of titanate based anodes in direct carbon fuel cell using walnut and almond shells biochar fuel. Journal of Power Sources, 2019, 434, 126679. | 7.8 | 27 |
| 79 | High performance of SDC and GDC core shell type composite electrolytes using methane as a fuel for low temperature SOFC. AIP Advances, 2016, 6, . | 1.3 | 25 |
| 80 | Electrochemical studies of perovskite cathode material for direct natural gas fuel cell. International Journal of Hydrogen Energy, 2016, 41, 3072-3078. | 7.1 | 25 |
| 81 | Electrochemical investigations of cobalt-free perovskite cathode material for intermediate temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2017, 42, 10416-10422. | 7.1 | 25 |
| 82 | In Vitro Cytotoxicity and Morphological Assessments of GO-ZnO against the MCF-7 Cells: Determination of Singlet Oxygen by Chemical Trapping. Nanomaterials, 2018, 8, 539. | 4.1 | 25 |
| 83 | Electrochemical characterization of polymer electrolyte membrane fuel cells and polarization curve analysis. International Journal of Hydrogen Energy, 2020, 45, 24093-24107. | 7.1 | 25 |
| 84 | Structural and electrochemical study of Ba0.15Cu0.15Ni0.10Zn0.60 oxide anode for low temperature solid oxide fuel cell. Journal of Alloys and Compounds, 2019, 780, 653-659. | 5.5 | 24 |
| 85 | Engineering the performance of negative electrode for supercapacitor by polyaniline coated Fe3O4 nanoparticles enables high stability up to 25,000 cycles. International Journal of Hydrogen Energy, 2021, 46, 9976-9987. | 7.1 | 24 |
| 86 | Synthesize and characterization of ceria based nano-composite materials for low temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2018, 43, 6310-6317. | 7.1 | 23 |
| 87 | Orange Peel Derived Câ€dots Decorated CuO Nanorods for the Selective Monitoring of Dopamine from Deboned Chicken. Electroanalysis, 2020, 32, 11-18. | 2.9 | 23 |
| 88 | Modeling and simulation of planar SOFC to study the electrochemical properties. Current Applied Physics, 2020, 20, 660-672. | 2.4 | 23 |
| 89 | Advanced Multiâ€Fuelled Solid Oxide Fuel Cells (ASOFCs) Using Functional Nanocomposites for Polygeneration. Advanced Energy Materials, 2011, 1, 1225-1233. | 19.5 | 22 |
| 90 | Preparation and Characterization of Nanocomposite Calcium Doped Ceria Electrolyte With Alkali Carbonates (NK-CDC) for SOFC. Journal of Fuel Cell Science and Technology, 2011, 8, . | 0.8 | 22 |

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| 91 | Nano grained Sr and Zr co-doped BaCeO3 electrolytes for intermediate temperature solid oxide fuel cells. Ceramics International, 2017, 43, 14354-14360. | 4.8 | 22 |
| 92 | Electrochemical and thermal characterization of doped ceria electrolyte with lanthanum and zirconium. Ceramics International, 2018, 44, 6493-6499. | 4.8 | 22 |
| 93 | Advances and significance of solar reflectors in solar energy technology in Pakistan. Energy and Environment, 2018, 29, 435-455. | 4.6 | 21 |
| 94 | Comparative electrochemical investigation of zinc based nano-composite anode materials for solid oxide fuel cell. Ceramics International, 2019, 45, 1077-1083. | 4.8 | 20 |
| 95 | The effect of calcination temperature on the properties of Ni-SDC cermet anode. Ceramics International, 2020, 46, 2780-2785. | 4.8 | 20 |
| 96 | Electrochemical investigation of multi-fuel based low temperature nano-composite anode for solid oxide fuel cell. Journal of Power Sources, 2019, 425, 147-152. | 7.8 | 19 |
| 97 | Synthesis and characterization of co-doped ceria-based electrolyte material for low temperature solid oxide fuel cell. Ceramics International, 2019, 45, 10330-10333. | 4.8 | 19 |
| 98 | Identification of Small Molecule Sulfonic Acids as Ecto-5'-Nucleotidase Inhibitors. Medicinal Chemistry, 2012, 8, 1133-1139. | 1.5 | 19 |
| 99 | Synthesize and characterization of nanocomposite anodes for low temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2015, 40, 891-897. | 7.1 | 17 |
| 100 | Highly efficient composite electrolyte for natural gas fed fuel cell. International Journal of Hydrogen Energy, 2016, 41, 6972-6979. | 7.1 | 17 |
| 101 | Experimental and physical approaches on a novel semiconducting-ionic membrane fuel cell. International Journal of Hydrogen Energy, 2018, 43, 12756-12764. | 7.1 | 17 |
| 102 | Synthesis of PEDOT: PPy/AC composite as an electrode for supercapacitor. Journal of Materials Science: Materials in Electronics, 2020, 31, 13597-13609. | 2.2 | 17 |
| 103 | Cobalt free LaxSr1-xFe1-yCuyO3-δ (x= 0.54, 0.8, y = 0.2, 0.4) perovskite structured cathode for SOFC. Ceramics International, 2020, 46, 18208-18215. | 4.8 | 17 |
| 104 | Study of CuNiZnGdCe-Nanocomposite Anode for Low Temperature SOFC. Nanoscience and Nanotechnology Letters, 2012, 4, 389-393. | 0.4 | 16 |
| 105 | Effect of titania concentration on the grain boundary conductivity of calcium-doped ceria electrolyte. Ceramics International, 2014, 40, 9775-9781. | 4.8 | 16 |
| 106 | Solution-derived ZnO nanoflowers based photoelectrodes for dye-sensitized solar cells. Materials Research Bulletin, 2017, 96, 211-217. | 5.2 | 16 |
| 107 | Electrochemical study of composite materials for coal-based direct carbon fuel cell. International Journal of Hydrogen Energy, 2018, 43, 12900-12908. | 7.1 | 16 |
| 108 | Composite electrolyte with proton conductivity for low-temperature solid oxide fuel cell. Applied Physics Letters, 2015, 107, . | 3.3 | 15 |

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| 109 | An efficient carbon resistant composite Ni0.6Zn0.4O2-δ-GDC anode for biogas fuelled solid oxide fuel cell. Journal of Power Sources, 2019, 438, 227042. | 7.8 | 15 |
| 110 | Using light to control the inhibition of Karstedt's catalyst. Organic Chemistry Frontiers, 2019, 6, 1253-1256. | 4.5 | 15 |
| 111 | Tri-doped ceria (M0.2Ce0.8O2-Î′, M= Sm0.1, Ca0.05, Gd0.05) electrolyte for hydrogen and ethanol-based fuel cells. Journal of Alloys and Compounds, 2019, 773, 548-554. | 5.5 | 15 |
| 112 | Evaluation of densification effects on the properties of 8Âmol % yttria stabilized zirconia electrolyte synthesized by cost effective coprecipitation route. Ceramics International, 2021, 47, 2857-2863. | 4.8 | 15 |
| 113 | Asymmetric Synthesis of 4,1-Benzoxazepine-2,5-Diones — Effect of the Halogen of (2S)-α-Haloacids. Molecules, 2014, 19, 139-148. | 3.8 | 14 |
| 114 | Electronic structure calculations of oxygen-doped diamond using DFT technique. Microelectronic Engineering, 2015, 146, 26-31. | 2.4 | 14 |
| 115 | Study on Nanocomposites Based on Carbonate @ Ceria. Journal of Nanoscience and Nanotechnology, 2010, 10, 1203-1207. | 0.9 | 13 |
| 116 | Analysis of multilayer based TiO ₂ and ZnO photoanodes for dye-sensitized solar cells. Materials Research Express, 2019, 6, 075902. | 1.6 | 13 |
| 117 | B-Site Doping in Lanthanum Cerate Nanomaterials for Water Electrocatalysis. Journal of the Electrochemical Society, 2020, 167, 026503. | 2.9 | 13 |
| 118 | Protic ionic liquids as a versatile modulator and stabilizer in regulating artificial peroxidase activity of carbon materials for glucose colorimetric sensing. Journal of Molecular Liquids, 2017, 243, 333-340. | 4.9 | 12 |
| 119 | A potential electrolyte (Ce1-x CaxO2-Î) for fuel cells:Theoretical and experimental study. Ceramics International, 2018, 44, 12676-12683. | 4.8 | 12 |
| 120 | A modeling approach for low-temperature SOFC-based micro-combined heat and power systems. International Journal of Modern Physics B, 2019, 33, 1950001. | 2.0 | 12 |
| 121 | Electrochemical Investigation of PANI:PPy/AC and PANI:PEDOT/AC Composites as Electrode Materials in Supercapacitors. Polymers, 2022, 14, 1976. | 4.5 | 12 |
| 122 | GDC - Y 2 O 3 Oxide Based Two Phase Nanocomposite Electrolyte. Journal of Fuel Cell Science and Technology, 2011, 8, . | 0.8 | 11 |
| 123 | Integration design of membrane electrode assemblies in low temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2012, 37, 19365-19370. | 7.1 | 11 |
| 124 | Chiron based synthesis of isocoumarins: reactivity of α-substituted carboxylic acids. Tetrahedron: Asymmetry, 2014, 25, 736-743. | 1.8 | 11 |
| 125 | Highly conducting perovskite structured (M-SrCoFe-O3-δ, M = Ce, Ba) cathode for solid oxide fuel cell. Journal of Alloys and Compounds, 2019, 791, 248-254. | 5.5 | 11 |
| 126 | Morphology controlled NiO nanostructures as fluorescent quenchers for highly sensitive aptamer-based FRET detection of ochratoxin A. Applied Surface Science, 2021, 566, 150647. | 6.1 | 11 |

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| 127 | Electrochemical investigation of LiMn2O4/asphalt and LiMn2O4/bituminous coal based cathode composites for efficient lithium-ion battery. Materials Letters, 2021, 302, 130275. | 2.6 | 11 |
| 128 | Design of a 5â€kW advanced fuel cell polygeneration system. Wiley Interdisciplinary Reviews: Energy and Environment, 2012, 1, 173-180. | 4.1 | 10 |
| 129 | Mn0.8Zn0.2Fe2O4 nanoparticulates spinel ferrites: An approach to enhance the antenna field strength for improved magnitude versus offset (MVO). Progress in Natural Science: Materials International, 2014, 24, 364-372. | 4.4 | 10 |
| 130 | Synthesis and antiproliferative activity of N-glycosyl-3,3-diaryloxindoles. RSC Advances, 2014, 4, 22828. | 3.6 | 10 |
| 131 | Enhanced thermoelectric properties in Ge-doped and single-filled skutterudites prepared by unique melt-spinning method. Ceramics International, 2018, 44, 12610-12614. | 4.8 | 10 |
| 132 | Pyridyl Azoâ€Based Progelator in Selective Sensing of Hg ²⁺ and Ag ⁺ lons <i>via</i> Sol to Gel Conversion. ChemistrySelect, 2019, 4, 11564-11571. | 1.5 | 10 |
| 133 | Identification of mongoose (Genus: Herpestes) species from hair through band pattern studies using discriminate functional analysis (DFA) and microscopic examination. Science and Justice - Journal of the Forensic Science Society, 2009, 49, 205-209. | 2.1 | 9 |
| 134 | Stereoselective Synthesis of (3 <i>R</i>)â€3â€Alkylâ€4,1â€Benzoxazepineâ€2,5â€Diones. Chirality, 2013, 25, 86 | 55- 8.7 0. | 9 |
| 135 | Structural and photovoltaic characteristics of hierarchical ZnO nanostructures electrodes. Applied Surface Science, 2015, 334, 145-150. | 6.1 | 9 |
| 136 | Dosimetric Chromogenic Probe for Selective Detection of Sulfide via Sol–Gel Methodology. ACS Omega, 2018, 3, 17319-17325. | 3.5 | 9 |
| 137 | Structural and electrochemical characterization of low-cost LixCu1-xCoy Fe1-yO3-δ cathode material for intermediate temperature solid oxide fuel cell. Ceramics International, 2020, 46, 10348-10355. | 4.8 | 9 |
| 138 | Synthesis of Novel (Be,Mg,Ca,Sr,Zn,Ni)3O4 High Entropy Oxide with Characterization of Structural and Functional Properties and Electrochemical Applications. Journal of Electrochemical Science and Technology, 2021, 12, 112-125. | 2.2 | 9 |
| 139 | Electrochemical Investigations of BaCe0.7-xSmxZr0.2Y0.1O3-δ Sintered at a Low Sintering Temperature as a Perovskite Electrolyte for IT-SOFCs. Sustainability, 2021, 13, 12595. | 3.2 | 9 |
| 140 | Co-doped cerium oxide Fe0.25-xMnxCe0.75O2-δas a composite cathode material for IT-SOFC. Journal of Alloys and Compounds, 2022, 906, 164319. | 5.5 | 9 |
| 141 | Laboratory Diagnosis of Iron Deficiency in a Developing Country, Pakistan. Journal of International Medical Research, 1991, 19, 19-23. | 1.0 | 8 |
| 142 | La _{0.3} Sr _{0.2} Mn _{0.1} Zn _{0.4} Oxide-Sm _{0.2} Ce _{0.8} O _{1.9} (LSMZ-SDC) Nanocomposite Cathode for Low Temperature SOFCs. Journal of Nanoscience and Nanotechnology, 2012, 12, 4994-4997. | 0.9 | 8 |
| 143 | Electrochemical study of natural gas fueled electrodes for low temperature solid oxide fuel cell. International Journal of Modern Physics B, 2016, 30, 1650161. | 2.0 | 8 |
| 144 | Novel vinyl-modified sepiolite-based polymer nanocomposites: synthesis and characterization. Iranian Polymer Journal (English Edition), 2018, 27, 413-422. | 2.4 | 8 |

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|-----|---|-------------------------------------|-----------|
| 145 | Development of a fast CE method for high throughput screening of ectoâ€5′â€nucleotidase inhibitors. Electrophoresis, 2018, 39, 2612-2618. | 2.4 | 8 |
| 146 | Graphene Incorporated Nanocomposite Anode for Low Temperature SOFCs. Journal of Electronic Materials, 2019, 48, 7507-7514. | 2.2 | 8 |
| 147 | Structural and electrochemical studies of microwave sintered nanocomposite electrolytes for solid oxide fuel cells. International Journal of Hydrogen Energy, 2019, 44, 10964-10970. | 7.1 | 8 |
| 148 | Influence of annealing temperature on the physical and photoelectric properties of Gd/Fe1.727Sn0.205O3 nanoparticles for solid oxides fuel cell application. Journal of Sol-Gel Science and Technology, 2020, 94, 98-108. | 2.4 | 8 |
| 149 | Evaluation of BaCo ₀ . ₄ Fe ₀ . ₄ Zr _{0.2â^x} Ni _x O <sub perovskite cathode using nickel as a sintering aid for IT-SOFC. RSC Advances, 2021, 11, 14475-14483.</sub | ວ>3 ສີ.ໍ ໔ິ <td>ıb>8</td> | ıb>8 |
| 150 | Preparation, characterisation and slow quantitative dissociation of a novel asymmetric N-unsubstituted dialkylsulfimide. Chemical Communications, 1999, , 189-190. | 4.1 | 7 |
| 151 | Pulsed-laser deposition of smooth thin films of Er, Pr and Nd doped glasses. Applied Surface Science, 2009, 255, 5295-5298. | 6.1 | 7 |
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