

# Kalim Deshmukh

## List of Publications by Year in descending order

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Version: 2024-02-01

121  
papers

6,416  
citations

76196

40  
h-index

71532

76  
g-index

124  
all docs

124  
docs citations

124  
times ranked

5535  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Structure, morphology and modelling studies of polyvinylalcohol nanocomposites reinforced with nickel oxide nanoparticles and graphene quantum dots. Environmental Research, 2022, 203, 111842.   | 3.7 | 28        |
| 2  | Introduction to 2D MXenes: fundamental aspects, MAX phases and MXene derivatives, current challenges, and future prospects. , 2022, , 1-47.   |     | 0         |
| 3  | MXene-based multifunctional polymer composites for electromagnetic interference shielding applications. , 2022, , 649-686.  |     | 2         |
| 4  | Structure defects and electronic properties of MXenes. , 2022, , 91-129.  |     | 3         |
| 5  | MXene-based flexible polymer composites as high dielectric constant materials. , 2022, , 725-758.   |     | 4         |
| 6  | MXenes and their composites: emerging materials for gas sensing and biosensing. , 2022, , 241-279.  |     | 0         |
| 7  | MXenes and their composites for energy harvesting applications. , 2022, , 687-723.  |     | 1         |
| 8  | Dielectric Properties of Epoxy/Natural Fiber Composites. , 2022, , 1-35.  |     | 1         |
| 9  | Electrical Properties of Synthetic Fiber/Epoxy Composites. , 2022, , 1-30.  |     | 0         |
| 10 | A systematic review on 2D materials for volatile organic compound sensing. Coordination Chemistry Reviews, 2022, 461, 214502.   | 9.5 | 20        |
| 11 | MXene based emerging materials for supercapacitor applications: Recent advances, challenges, and future perspectives. Coordination Chemistry Reviews, 2022, 462, 214518.  | 9.5 | 148       |
| 12 | 2D MXenes for combatting COVID-19 Pandemic: A perspective on latest developments and innovations. FlatChem, 2022, 33, 100377.   | 2.8 | 16        |
| 13 | Fabrication of flexible ternary polymer blends comprising polypyrrole, polyvinylalcohol, and poly(4- $\epsilon$ -styrenesulfonic acid): Study of structural, morphological, and dielectric properties. Journal of Applied Polymer Science, 2022, 139, .                                 | 1.3 | 6         |
| 14 | Cellular ceramic foam derived from potassium-based geopolymer composite: Thermal, mechanical and structural properties. Materials and Design, 2021, 198, 109355.  | 3.3 | 28        |
| 15 | Structural, dielectric and EMI shielding properties of polyvinyl alcohol/chitosan blend nanocomposites integrated with graphite oxide and nickel oxide nanofillers. Journal of Materials Science: Materials in Electronics, 2021, 32, 764-779.  | 1.1 | 45        |
| 16 | Dielectric and electromagnetic interference shielding properties of zeolite<sc>13X</sc>and carbon black nanoparticles based<sc>PVDF</sc>nanocomposites. Journal of Applied Polymer Science, 2021, 138, 50107.   | 1.3 | 38        |
| 17 | Morphology, Dielectric and EMI Shielding Characteristics of Graphene Nanoplatelets, Montmorillonite Nanoclay and Titanium Dioxide Nanoparticles Reinforced Polyvinylidene fluoride Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2003-2016. | 1.9 | 43        |
| 18 | Chemiresistive gas sensors based on vanadium pentoxide reinforced polyvinyl alcohol/polypyrrole blend nanocomposites for room temperature LPG sensing. Synthetic Metals, 2021, 273, 116687.   | 2.1 | 29        |

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|----|--|-----|-----------|
| 19 | Electromagnetic Interference Shielding Characteristics of SrTiO <sub>3</sub> Nanoparticles Induced Polyvinyl Chloride and Polyvinylidene Fluoride Blend Nanocomposites. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3481-3495.                           | 1.9 | 23        |
| 20 | Study on Structure, Thermal Behavior, and Viscoelastic Properties of Nanodiamond-Reinforced Poly (vinyl alcohol) Nanocomposites. <i>Polymers</i> , 2021, 13, 1426.   | 2.0 | 32        |
| 21 | Graphene oxide nanocomposites based room temperature gas sensors: A review. <i>Chemosphere</i> , 2021, 280, 130641.  | 4.2 | 31        |
| 22 | Silica-based geopolymer spherical beads: Influence of viscosity on porosity architecture. <i>Cement and Concrete Composites</i> , 2021, 124, 104261.   | 4.6 | 12        |
| 23 | Dielectric and electromagnetic interference shielding performance of graphene nanoplatelets and copper oxide nanoparticles reinforced polyvinylidene fluoride/poly(3,4-ethylenedioxythiophene)-block-poly (ethylene glycol) blend nanocomposites. <i>Synthetic Metals</i> , 2021, 282, 116923. | 2.1 | 18        |
| 24 | Green synthesized materials for sensor, actuator, energy storage and energy generation: a review. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1-62.   | 0.6 | 26        |
| 25 | Introduction to 3D and 4D printing technology: State of the art and recent trends. , 2020, , 1-24.   |     | 27        |
| 26 | 3D and 4D printing of pH-responsive and functional polymers and their composites. , 2020, , 85-117.  |     | 30        |
| 27 | Fundamentals and applications of 3D and 4D printing of polymers: Challenges in polymer processing and prospects of future research. , 2020, , 527-560.   |     | 25        |
| 28 | Recent advances in mechanical properties of biopolymer composites: a review. <i>Polymer Composites</i> , 2020, 41, 32-59.  | 2.3 | 146       |
| 29 | Dynamic mechanical analysis and broadband electromagnetic interference shielding characteristics of poly (vinyl alcohol)-poly (4-styrenesulfonic acid)-titanium dioxide nanoparticles based tertiary nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 847-863.     | 0.6 | 16        |
| 30 | Significantly enhanced electromagnetic interference shielding effectiveness of montmorillonite nanoclay and copper oxide nanoparticles based polyvinylchloride nanocomposites. <i>Polymer Testing</i> , 2020, 91, 106744.  | 2.3 | 37        |
| 31 | Microstructural evaluation and thermal properties of sol-gel derived silica-titania based porous glasses. <i>Journal of Physics: Conference Series</i> , 2020, 1527, 012031.   | 0.3 | 2         |
| 32 | State of the art recent progress in two dimensional MXenes based gas sensors and biosensors: A comprehensive review. <i>Coordination Chemistry Reviews</i> , 2020, 424, 213514.  | 9.5 | 169       |
| 33 | Recent advances and future perspectives of sol-gel derived porous bioactive glasses: a review. <i>RSC Advances</i> , 2020, 10, 33782-33835.  | 1.7 | 108       |
| 34 | Enhanced LPG Sensitivity for Electron Beam Irradiated Al-ZnO Nanoparticles. <i>Macromolecular Symposia</i> , 2020, 392, 2000168.   | 0.4 | 4         |
| 35 | Dielectric properties and electromagnetic interference shielding studies of nickel oxide and tungsten oxide reinforced polyvinylchloride nanocomposites. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1667-1678.   | 0.6 | 13        |
| 36 | Graphene quantum dot based materials for sensing, bio-imaging and energy storage applications: a review. <i>RSC Advances</i> , 2020, 10, 23861-23898.  | 1.7 | 194       |

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|----|--|-----|-----------|
| 37 | Electromagnetic interference shielding properties of graphene <scp>quantumâ€dots</scp> reinforced poly(vinyl alcohol)/polypyrrole blend nanocomposites. Journal of Applied Polymer Science, 2020, 137, 49392.                                    | 1.3 | 39        |
| 38 | Dielectric and electromagnetic interference shielding properties of carbon black nanoparticles reinforced PVA/PEG blend nanocomposite films. Materials Research Express, 2020, 7, 064008.  | 0.8 | 40        |
| 39 | Mechanical analysis of polymers. , 2020, , 117-152.  |     | 11        |
| 40 | Green chemistry mediated synthesis of cadmium sulphide/polyvinyl alcohol nanocomposites: Assessment of microstructural, thermal, and dielectric properties. Polymer Composites, 2020, 41, 2054-2067.   | 2.3 | 24        |
| 41 | Room temperature ammonia sensing based on graphene oxide integrated flexible polyvinylidene fluoride/cerium oxide nanocomposite films. Polymer-Plastics Technology and Materials, 2020, 59, 1429-1446.   | 0.6 | 8         |
| 42 | Enhanced dielectric properties of green synthesized Nickel Sulphide (NiS) nanoparticles integrated polyvinylalcohol nanocomposites*. Materials Research Express, 2020, 7, 064007.  | 0.8 | 43        |
| 43 | Recent Advances in Poly (Amide-B-Ethylene) Based Membranes for Carbon Dioxide (CO<sub>2</sub>) Capture: A Review. Polymer-Plastics Technology and Materials, 2019, 58, 366-383.  | 0.6 | 12        |
| 44 | Hydrothermal synthesis of ZnWO <sub>4</sub> â€MnO <sub>2</sub> nanopowder doped with carbon black nanoparticles for high-performance supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 21250-21258. | 1.1 | 23        |
| 45 | Effect of Poly Ethylene Glycol (PEG) on Structural, Thermal and Photoluminescence Properties of CdO Nanoparticles For Optoelectronic Applications. Materials Today: Proceedings, 2019, 9, 175-183.   | 0.9 | 24        |
| 46 | Enhanced Quality Factor of Polyvinyl formal (PVF) Based Nanocomposites Filled with Zinc Oxide and Carbon Black Nanoparticles for Wireless Sensing Applications. Materials Today: Proceedings, 2019, 9, 199-216.                                  | 0.9 | 19        |
| 47 | Synthesis, optimization and applications of ZnO/polymer nanocomposites. Materials Science and Engineering C, 2019, 98, 1210-1240.  | 3.8 | 191       |
| 48 | Electrospun Polymeric Nanofibers: Fundamental Aspects of Electrospinning Processes, Optimization of Electrospinning Parameters, Properties, and Applications. Lecture Notes in Bioengineering, 2019, , 375-409.                                  | 0.3 | 14        |
| 49 | Shape Memory Polymer Composites in Biomedical Field. Lecture Notes in Bioengineering, 2019, , 299-329.   | 0.3 | 0         |
| 50 | Amorphous and Semicrystalline Thermoplastic Polymer Nanocomposites Applied in Biomedical Engineering. Lecture Notes in Bioengineering, 2019, , 57-84.  | 0.3 | 1         |
| 51 | Biomedical Applications of Electrospun Polymer Composite Nanofibres. Lecture Notes in Bioengineering, 2019, , 111-165.   | 0.3 | 5         |
| 52 | 3D Printing Technology of Polymer Composites and Hydrogels for Artificial Skin Tissue Implementations. Lecture Notes in Bioengineering, 2019, , 205-233.   | 0.3 | 13        |
| 53 | Processing and Industrial Applications of Sustainable Nanocomposites Containing Nanofillers. , 2019, , 451-478.  |     | 1         |
| 54 | Dielectric properties of polyvinyl alcohol (PVA) nanocomposites filled with green synthesized zinc sulphide (ZnS) nanoparticles. Journal of Materials Science: Materials in Electronics, 2019, 30, 4676-4687.                                    | 1.1 | 98        |

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|----|--|-----|-----------|
| 55 | Electromagnetic interference shielding properties of polyvinylchloride (PVC), barium titanate (BaTiO <sub>3</sub> ) and nickel oxide (NiO) based nanocomposites. <i>Polymer Testing</i> , 2019, 77, 105925.  | 2.3 | 37        |
| 56 | Surface Modified Zinc Oxide Nanoparticles as Smart UV Sensors. <i>Journal of Electronic Materials</i> , 2019, 48, 4726-4732.   | 1.0 | 11        |
| 57 | A review on porous polymer composite materials for multifunctional electronic applications. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1253-1294.  | 0.6 | 19        |
| 58 | Electrical and Electromagnetic Interference (EMI) shielding properties of hexagonal boron nitride nanoparticles reinforced polyvinylidene fluoride nanocomposite films. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1191-1209.                              | 0.6 | 21        |
| 59 | Natural polymer based composite membranes for water purification: a review. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1295-1310.  | 0.6 | 22        |
| 60 | Flexible, biodegradable and recyclable solar cells: a review. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 951-974.   | 1.1 | 48        |
| 61 | A review on recent advances in hybrid supercapacitors: Design, fabrication and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 123-145.   | 8.2 | 1,049     |
| 62 | Studies on the Mechanical, Morphological and Electrical Properties of Highly Dispersible Graphene Oxide Reinforced Polypyrrole and Polyvinylalcohol Blend Composites. <i>Materials Today: Proceedings</i> , 2018, 5, 8744-8752.  | 0.9 | 16        |
| 63 | Hydrothermal synthesis of CeO <sub>2</sub> SnO <sub>2</sub> nanocomposites with highly enhanced gas sensing performance towards n-butanol. <i>Journal of Science: Advanced Materials and Devices</i> , 2018, 3, 139-144.   | 1.5 | 19        |
| 64 | Enhanced electromagnetic absorption in NiO and BaTiO <sub>3</sub> based polyvinylidene fluoride nanocomposites. <i>Materials Letters</i> , 2018, 218, 217-220.   | 1.3 | 49        |
| 65 | Influence of CuO nanoparticles and graphene nanoplatelets on the sensing behaviour of poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlo Science: Materials in Electronics, 2018, 29, 5186-5205.  | 1.1 | 40        |
| 66 | Optical Analysis of Iron-Doped Lead Sulfide Thin Films for Opto-Electronic Applications. <i>International Journal of Nanoscience</i> , 2018, 17, 1760004.  | 0.4 | 2         |
| 67 | Studies on the Electrical Properties of Graphene Oxide-Reinforced Poly (4-Styrene Sulfonic Acid) and Polyvinyl Alcohol Blend Composites. <i>International Journal of Nanoscience</i> , 2018, 17, 1760005.  | 0.4 | 18        |
| 68 | Dielectric and electromagnetic interference shielding properties of germanium dioxide nanoparticle reinforced poly(vinyl chloride) and poly(methylmethacrylate) blend nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20172-20188. | 1.1 | 48        |
| 69 | Recent advances in electromagnetic interference shielding properties of metal and carbon filler reinforced flexible polymer composites: A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 114, 49-71.  | 3.8 | 554       |
| 70 | Stretchable quaternary phasic PVDF-HFP nanocomposite films containing graphene-titania-SrTiO <sub>3</sub> for mechanical energy harvesting. <i>Emergent Materials</i> , 2018, 1, 55-65.  | 3.2 | 105       |
| 71 | A High Sensitivity Isopropanol Vapor Sensor Based on Cr <sub>2</sub> O <sub>3</sub> SnO <sub>2</sub> Heterojunction Nanocomposites via Chemical Precipitation Route. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5454-5460.                                 | 0.9 | 19        |
| 72 | CHAPTER 12. Hybrid Nano-filler for Value Added Rubber Compounds for Recycling. <i>RSC Green Chemistry</i> , 2018, , 310-329.   | 0.0 | 4         |

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|----|---|-----|-----------|
| 73 | Investigation on the Electrical Properties of Lithium Ion Conducting Polymer Electrolyte Films Based on Biodegradable Polymer Blends. <i>Advanced Science Letters</i> , 2018, 24, 5496-5502.  | 0.2 | 17        |
| 74 | Investigation of Microstructure, Morphology, Mechanical, and Dielectric Properties of PVA/PbO Nanocomposites. <i>Advances in Polymer Technology</i> , 2017, 36, 352-361.  | 0.8 | 60        |
| 75 | Solution-processed white graphene-reinforced ferroelectric polymer nanocomposites with improved thermal conductivity and dielectric properties for electronic encapsulation. <i>Journal of Polymer Research</i> , 2017, 24, 1.  | 1.2 | 59        |
| 76 | Ceramic-Based Polymer Nanocomposites as Piezoelectric Materials. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 77-93.   | 0.5 | 13        |
| 77 | Polyvinyl alcohol (PVA)/polystyrene sulfonic acid (PSSA)/carbon black nanocomposite for flexible energy storage device applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 6099-6111.   | 1.1 | 64        |
| 78 | Eeonomer 200F <sup>®</sup> : A High-Performance Nanofiller for Polymer Reinforcement—Investigation of the Structure, Morphology and Dielectric Properties of Polyvinyl Alcohol/Eeonomer-200F <sup>®</sup> Nanocomposites for Embedded Capacitor Applications. <i>Journal of Electronic Materials</i> , 2017, 46, 2406-2418. | 1.0 | 35        |
| 79 | Graphene oxide reinforced poly (4-styrenesulfonic acid)/polyvinyl alcohol blend composites with enhanced dielectric properties for portable and flexible electronics. <i>Materials Chemistry and Physics</i> , 2017, 186, 188-201.  | 2.0 | 93        |
| 80 | Newly developed biodegradable polymer nanocomposites of cellulose acetate and Al <sub>2</sub> O <sub>3</sub> nanoparticles with enhanced dielectric performance for embedded passive applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 973-986.                                       | 1.1 | 73        |
| 81 | Striking multiple synergies in novel three-phase fluoropolymer nanocomposites by combining titanium dioxide and graphene oxide as hybrid fillers. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 559-575.  | 1.1 | 60        |
| 82 | Fumed SiO <sub>2</sub> nanoparticle reinforced biopolymer blend nanocomposites with high dielectric constant and low dielectric loss for flexible organic electronics. <i>Journal of Applied Polymer Science</i> , 2017, 134, .   | 1.3 | 75        |
| 83 | Dielectric Spectroscopy. , 2017, , 237-299.   |     | 21        |
| 84 | White graphene reinforced polypyrrole and poly(vinyl alcohol) blend nanocomposites as chemiresistive sensors for room temperature detection of liquid petroleum gases. <i>Mikrochimica Acta</i> , 2017, 184, 3977-3987.   | 2.5 | 55        |
| 85 | High- quality factor poly (vinylidene fluoride) based novel nanocomposites filled with graphene nanoplatelets and vanadium pentoxide for high-Q capacitor applications. <i>Advanced Materials Letters</i> , 2017, 8, 288-294.   | 0.3 | 40        |
| 86 | Recent advances in electrochemical biosensor and gas sensors based on graphene and carbon nanotubes (CNT) - A review. <i>Advanced Materials Letters</i> , 2017, 8, 196-205.   | 0.3 | 32        |
| 87 | Impedance spectroscopy, ionic conductivity and dielectric studies of new Li <sup>+</sup> ion conducting polymer blend electrolytes based on biodegradable polymers for solid state battery applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11410-11424.                             | 1.1 | 65        |
| 88 | Graphene oxide reinforced polyvinyl alcohol/polyethylene glycol blend composites as high-performance dielectric material. <i>Journal of Polymer Research</i> , 2016, 23, 1.   | 1.2 | 101       |
| 89 | Influence of Cerium Oxide (CeO <sub>2</sub> ) Nanoparticles on the Structural, Morphological, Mechanical and Dielectric Properties of PVA/PPy Blend Nanocomposites. <i>Materials Today: Proceedings</i> , 2016, 3, 1864-1873.   | 0.9 | 61        |
| 90 | Synergistic effect of vanadium pentoxide and graphene oxide in polyvinyl alcohol for energy storage application. <i>European Polymer Journal</i> , 2016, 76, 14-27.   | 2.6 | 91        |

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|-----|--|-----|-----------|
| 91  | Study of conjugated polymer/graphene oxide nanocomposites as flexible dielectric medium. Journal of Materials Science: Materials in Electronics, 2016, 27, 3397-3409.  | 1.1 | 18        |
| 92  | Eco-Friendly Synthesis of Graphene Oxide Reinforced Hydroxypropyl Methylcellulose/Polyvinyl Alcohol Blend Nanocomposites Filled with Zinc Oxide Nanoparticles for High-k Capacitor Applications. Polymer-Plastics Technology and Engineering, 2016, 55, 1240-1253. | 1.9 | 72        |
| 93  | Influence of nickel on the structural, optical and magnetic properties of PbS thin films synthesized by successive ionic layer adsorption and reaction (SILAR) method. Materials Letters, 2016, 164, 108-110.  | 1.3 | 11        |
| 94  | Influence of $K_2CrO_4$ Doping on the Structural, Optical and Dielectric Properties of Polyvinyl Alcohol/ $K_2CrO_4$ Composite Films. Polymer-Plastics Technology and Engineering, 2016, 55, 231-241.  | 1.9 | 73        |
| 95  | Fabrication and Excellent Dielectric Performance of Exfoliated Graphite Sheets. Journal of Nano- and Electronic Physics, 2016, 8, 01022-1-01022-3.   | 0.2 | 1         |
| 96  | Zeolite 4A Filled Poly (3, 4-ethylenedioxythiophene): (polystyrenesulfonate) (PEDOT: PSS) And Polyvinyl Alcohol (PVA) Blend Nanocomposites As High-k Dielectric Materials For Embedded Capacitor Applications. Advanced Materials Letters, 2016, 7, 996-1002.      | 0.3 | 50        |
| 97  | Conjugated polymer/graphene oxide nanocomposite as thermistor. AIP Conference Proceedings, 2015, ,   | 0.3 | 2         |
| 98  | Electrical conductivity, optical properties and mechanical stability of 3, 4, 9, 10-perylenetetracarboxylic dianhydride based organic semiconductor. Journal of Physics and Chemistry of Solids, 2015, 80, 52-61.  | 1.9 | 29        |
| 99  | Embedded capacitor applications of graphene oxide reinforced poly(3,4-ethylenedioxythiophene)-tetramethacrylate (PEDOT-TMA) composites. Journal of Materials Science: Materials in Electronics, 2015, 26, 5896-5909.   | 1.1 | 13        |
| 100 | Morphology, Ionic Conductivity, and Impedance Spectroscopy Studies of Graphene Oxide-Filled Polyvinylchloride Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 1743-1752.  | 1.9 | 17        |
| 101 | Highly dispersible graphene oxide reinforced polypyrrole/polyvinyl alcohol blend nanocomposites with high dielectric constant and low dielectric loss. RSC Advances, 2015, 5, 61933-61945.   | 1.7 | 93        |
| 102 | Preparation of modified polymer blend and electrical performance. Composite Interfaces, 2015, 22, 167-178.   | 1.3 | 22        |
| 103 | Optimization of Dielectric Constant of Polycarbonate/Polystyrene Modified Blend by Ceramic Metal Oxide. Polymer-Plastics Technology and Engineering, 2015, 54, 383-389.  | 1.9 | 21        |
| 104 | Impedance Spectroscopy And Conductivity Studies Of CdCl <sub>2</sub> Doped Polymer Electrolyte. Advanced Materials Letters, 2015, 6, 165-171.  | 0.3 | 39        |
| 105 | Fabrication and characterization of polymer blends consisting of cationic polyallylamine and anionic polyvinyl alcohol. Ionics, 2014, 20, 957-967.   | 1.2 | 57        |
| 106 | Thermo-mechanical properties of poly (vinyl chloride)/graphene oxide as high performance nanocomposites. Polymer Testing, 2014, 34, 211-219.   | 2.3 | 75        |
| 107 | Optimized Quality Factor of Graphene Oxide-Reinforced PVC Nanocomposite. Journal of Electronic Materials, 2014, 43, 1161-1165.   | 1.0 | 29        |
| 108 | Novel nanocomposites of graphene oxide reinforced poly (3,4-ethylenedioxythiophene)-block-poly (ethylene glycol) and polyvinylidene fluoride for embedded capacitor applications. RSC Advances, 2014, 4, 37954-37963.  | 1.7 | 29        |

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|-----|--|-----|-----------|
| 109 | Preparation and Performance Characterization of Soft Polymer Composites as a Function of Single and Mixed Nano Entities. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 588-595.   | 1.9 | 9         |
| 110 | Stability and electrokinetic properties of aqueous TiO <sub>2</sub> nanoparticles dispersion in polyallylamine and polyvinyl alcohol blend systems. <i>Journal of Polymer Research</i> , 2014, 21, 1.  | 1.2 | 9         |
| 111 | Electrical characterization of polymer composite gel under biasing as polar medium. <i>Ionics</i> , 2014, 20, 529-534.   | 1.2 | 16        |
| 112 | Optimized AC conductivity correlated to structure, morphology and thermal properties of PVDF/PVA/Nafion composites. <i>Ionics</i> , 2014, 20, 1427-1433.   | 1.2 | 29        |
| 113 | Influence of TiO <sub>2</sub> Nanoparticles on the Morphological, Thermal and Solution Properties of PVA/TiO <sub>2</sub> Nanocomposite Membranes. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 6805-6814.   | 1.1 | 79        |
| 114 | Influence of TiO <sub>2</sub> on the Chemical, Mechanical, and Gas Separation Properties of Polyvinyl Alcohol-Titanium Dioxide (PVA-TiO <sub>2</sub> ) Nanocomposite Membranes. <i>International Journal of Polymer Analysis and Characterization</i> , 2013, 18, 287-296. | 0.9 | 129       |
| 115 | Surface properties of graphene oxide reinforced polyvinyl chloride nanocomposites. <i>Journal of Polymer Research</i> , 2013, 20, 1.   | 1.2 | 89        |
| 116 | Investigation of the structural, thermal, mechanical, and optical properties of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td 2169-2179.  | 1.3 | 73        |
| 117 | Surface characterization of air plasma treated poly vinylidene fluoride and poly methyl methacrylate films. <i>Polymer Engineering and Science</i> , 2009, 49, 808-818.  | 1.5 | 47        |
| 118 | Preparation and characterization of poly(vinyl alcohol) and gelatin blend films. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1328-1337.   | 1.3 | 103       |
| 119 | Characterization of polyvinyl alcohol/gelatin blend hydrogel films for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3431-3437.  | 1.3 | 152       |
| 120 | Influence of $\gamma$ irradiation on the properties of polyacrylonitrile films. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2569-2578.  | 1.3 | 25        |
| 121 | Photosensitivity and Photocatalytic Activity of ZnO Thin Films Annealed in Different Environmental Conditions. <i>Journal of Electronic Materials</i> , 0, , 1.  | 1.0 | 0         |