

# Manjusri Misra

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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|--------------------|--------------------------|----------------|-----------------|
| 319<br>papers      | 14,134<br>citations      | 60<br>h-index  | 104<br>g-index  |
| 332<br>ext. papers | 16,517<br>ext. citations | 4.9<br>avg, IF | 7.25<br>L-index |

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 319 | Value-Added Bio-carbon Production through the Slow Pyrolysis of Waste Bio-oil: Fundamental Studies on Their Structure-Property-Processing Co-relation.. <i>ACS Omega</i> , <b>2022</b> , 7, 1612-1627   | 3.9  | 0         |
| 318 | Biocarbon from spent coffee ground and their sustainable biocomposites with recycled water bottle and bale wrap: A new life for waste plastics and waste food residues for industrial uses. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2022</b> , 154, 106759 | 8.4  | 0         |
| 317 | Additive manufacturing technology of polymeric materials for customized products: recent developments and future prospective.. <i>RSC Advances</i> , <b>2021</b> , 11, 36398-36438  | 3.7  | 6         |
| 316 | Evaluating the Performance of a Semiaromatic/Aliphatic Polyamide Blend: The Case for Polyphthalamide (PPA) and Polyamide 4,10 (PA410). <i>Polymers</i> , <b>2021</b> , 13,  | 4.5  | 1         |
| 315 | Durable Polylactic Acid (PLA)-Based Sustainable Engineered Blends and Biocomposites: Recent Developments, Challenges, and Opportunities. <i>ACS Engineering Au</i> , <b>2021</b> , 1, 7-38  |      | 10        |
| 314 | Sustainable 3D Printed Composites from Recycled Ocean Plastics and Pyrolyzed Soy-Hulls: Optimization of Printing Parameters, Performance Studies and Prototypes Development. <i>Composites Part C: Open Access</i> , <b>2021</b> , 100197   | 1.6  | 3         |
| 313 | Injection Moldable Hybrid Sustainable Composites of PBS and PHBV Reinforced with Talc and Starch as Potential Alternatives to Single-Use Plastic Packaging. <i>Composites Part C: Open Access</i> , <b>2021</b> , 100201  | 1.6  | 0         |
| 312 | Effect of a Small Amount of Synthetic Fiber on Performance of Biocarbon-Filled Nylon-Based Hybrid Biocomposites. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000680   | 3.9  | 1         |
| 311 | Effect of jute fibers on morphological characteristics and properties of thermoplastic starch/biodegradable polyester blend. <i>Cellulose</i> , <b>2021</b> , 28, 5513  | 5.5  | 4         |
| 310 | Novel puffball ( <i>Lycoperdon</i> Sp.) spores derived hierarchical nanostructured Biocarbon: A preliminary investigation on thermochemical conversion and characterization for supercapacitor applications. <i>Materials Letters</i> , <b>2021</b> , 291, 129432                   | 3.3  | 3         |
| 309 | Pyrolyzed biomass from corn ethanol industry coproduct and their polypropylene-based composites: Effect of heat treatment temperature on performance of the biocomposites. <i>Composites Part B: Engineering</i> , <b>2021</b> , 215, 108714  | 10   | 4         |
| 308 | Challenges and new opportunities on barrier performance of biodegradable polymers for sustainable packaging. <i>Progress in Polymer Science</i> , <b>2021</b> , 117, 101395   | 29.6 | 79        |
| 307 | Biocomposites from biobased polyamide 4,10 and waste corn cob based biocarbon. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 145, 106340  | 8.4  | 8         |
| 306 | Zein-Based Materials: Effect of Nanocarbon Inclusion and Potential Applications. <i>Journal of Polymers and the Environment</i> , <b>2021</b> , 29, 637-646   | 4.5  | 5         |
| 305 | Impact of renewable carbon on the properties of composites made by using three types of polymers having different polarity. <i>Journal of Applied Polymer Science</i> , <b>2021</b> , 138, 49948  | 2.9  | 4         |
| 304 | Studies on 3D Printability of Novel Impact Modified Nylon 6: Experimental Investigations and Performance Evaluation. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000548   | 3.9  | 1         |
| 303 | Progress in research and applications of Polyphenylene Sulfide blends and composites with carbons. <i>Composites Part B: Engineering</i> , <b>2021</b> , 209, 108553  | 10   | 9         |

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| 302 | Super-tough sustainable biobased composites from polylactide bioplastic and lignin for bio-elastomer application. <i>Polymer</i> , <b>2021</b> , 212, 123153   | 3.9  | 10 |
| 301 | The effect of natural fillers on the marine biodegradation behaviour of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV). <i>Scientific Reports</i> , <b>2021</b> , 11, 911   | 4.9  | 10 |
| 300 | Ocean plastics: environmental implications and potential routes for mitigation - a perspective.. <i>RSC Advances</i> , <b>2021</b> , 11, 21447-21462   | 3.7  | 14 |
| 299 | Sustainable Biocomposites from Recycled Bale Wrap Plastic and Agave Fiber: Processing and Property Evaluation. <i>ACS Omega</i> , <b>2021</b> , 6, 2856-2864   | 3.9  | 3  |
| 298 | Novel sustainable materials from waste plastics: compatibilized blend from discarded bale wrap and plastic bottles.. <i>RSC Advances</i> , <b>2021</b> , 11, 8594-8605   | 3.7  | 3  |
| 297 | Green Composites from a Bioplastic Blend of Poly(3-hydroxybutyrate--3-hydroxyvalerate) and Carbon Dioxide-Derived Poly(propylene carbonate) and Filled with a Corn Ethanol-Industry Co-product. <i>ACS Omega</i> , <b>2021</b> , 6, 20103-20111      | 3.9  | 0  |
| 296 | Extrusion Based 3D Printing of Sustainable Biocomposites from Biocarbon and Poly(trimethylene terephthalate). <i>Molecules</i> , <b>2021</b> , 26,   | 4.8  | 4  |
| 295 | A Review on Current Status of Biochar Uses in Agriculture. <i>Molecules</i> , <b>2021</b> , 26,  | 4.8  | 7  |
| 294 | A comprehensive review of renewable and sustainable biosourced carbon through pyrolysis in biocomposites uses: Current development and future opportunity. <i>Renewable and Sustainable Energy Reviews</i> , <b>2021</b> , 152, 111666               | 16.2 | 7  |
| 293 | Impact of temperature and in situ FeCo catalysis on the architecture and Young's modulus of model wood-based biocarbon. <i>Green Chemistry</i> , <b>2021</b> , 23, 3015-3027   | 10   | 1  |
| 292 | Reactive extrusion of sustainable PHBV/PBAT-based nanocomposite films with organically modified nanoclay for packaging applications: Compression moulding vs. cast film extrusion. <i>Composites Part B: Engineering</i> , <b>2020</b> , 198, 108141 | 10   | 30 |
| 291 | Sustainable composites from poly(3-hydroxybutyrate) (PHB) bioplastic and agave natural fibre. <i>Green Chemistry</i> , <b>2020</b> , 22, 3906-3916   | 10   | 26 |
| 290 | Studies on durability of sustainable biobased composites: a review.. <i>RSC Advances</i> , <b>2020</b> , 10, 17955-17999   | 3.7  | 56 |
| 289 | Sustainable PHBV/Cellulose Acetate Blends: Effect of a Chain Extender and a Plasticizer. <i>ACS Omega</i> , <b>2020</b> , 5, 14221-14231   | 3.9  | 8  |
| 288 | Toughening of Biodegradable Poly(3-hydroxybutyrate--3-hydroxyvalerate)/Poly(E-caprolactone) Blends by In Situ Reactive Compatibilization. <i>ACS Omega</i> , <b>2020</b> , 5, 14900-14910  | 3.9  | 8  |
| 287 | Statistical design of sustainable composites from poly(lactic acid) and grape pomace. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49061   | 2.9  | 7  |
| 286 | Mechanical optimization of virgin and recycled poly(ethylene terephthalate) biocomposites with sustainable biocarbon through a factorial design. <i>Results in Materials</i> , <b>2020</b> , 5, 100060   | 2.3  | 9  |
| 285 | Experimental Investigation on Machinability of Polypropylene Reinforced with Miscanthus Fibers and Biochar. <i>Materials</i> , <b>2020</b> , 13,   | 3.5  | 6  |

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|-----|---|------|----|
| 284 | Surface Modification of Flax Fibers for Manufacture of Engineering Thermoplastic Biocomposites. <i>Journal of Composites Science</i> , <b>2020</b> , 4, 64  | 3    | 6  |
| 283 | Thermal and Mechanical Properties of the Biocomposites of Biocarbon and Poly(3-ydroxybutyrate--3-ydroxyvalerate) (PHBV). <i>Polymers</i> , <b>2020</b> , 12,  | 4.5  | 20 |
| 282 | Hybrid biocomposites from polypropylene, sustainable biocarbon and graphene nanoplatelets. <i>Scientific Reports</i> , <b>2020</b> , 10, 10714  | 4.9  | 20 |
| 281 | Biocarbon from peanut hulls and their green composites with biobased poly(trimethylene terephthalate) (PTT). <i>Scientific Reports</i> , <b>2020</b> , 10, 3310   | 4.9  | 26 |
| 280 | Underutilized Agricultural Co-Product as a Sustainable Biofiller for Polyamide 6,6: Effect of Carbonization Temperature. <i>Molecules</i> , <b>2020</b> , 25,   | 4.8  | 13 |
| 279 | Characterization of Chicken Feather Biocarbon for Use in Sustainable Biocomposites. <i>Frontiers in Materials</i> , <b>2020</b> , 7,  | 4    | 19 |
| 278 | Sustainable biocomposites from Nylon 6 and polypropylene blends and biocarbon [Studies on tailored morphologies and complex composite structures. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 129, 105680                                   | 8.4  | 4  |
| 277 | Comparison in composite performance after thermooxidative aging of injection molded polyamide 6 with glass fiber, talc, and a sustainable biocarbon filler. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48618  | 2.9  | 15 |
| 276 | A comparative life-cycle assessment of talc- and biochar-reinforced composites for lightweight automotive parts. <i>Clean Technologies and Environmental Policy</i> , <b>2020</b> , 22, 639-649   | 4.3  | 9  |
| 275 | Synthesis and characterization of novel nitrogen doped biocarbons from distillers dried grains with solubles (DDGS) for supercapacitor applications. <i>Bioresource Technology Reports</i> , <b>2020</b> , 9, 100375  | 4.1  | 7  |
| 274 | Tailoring the toughness of sustainable polymer blends from biodegradable plastics via morphology transition observed by atomic force microscopy. <i>Polymer Degradation and Stability</i> , <b>2020</b> , 173, 109066   | 4.7  | 17 |
| 273 | Development of Toughened Blends of Poly(lactic acid) and Poly(butylene adipate-co-terephthalate) for 3D Printing Applications: Compatibilization Methods and Material Performance Evaluation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6576-6589 | 8.3  | 25 |
| 272 | Studies on the dimensional stability and mechanical properties of nanobiocomposites from polyamide 6-filled with biocarbon and nanoclay hybrid systems. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 129, 105695                             | 8.4  | 27 |
| 271 | Recent advances in additive manufacturing of engineering thermoplastics: challenges and opportunities.. <i>RSC Advances</i> , <b>2020</b> , 10, 36058-36089   | 3.7  | 15 |
| 270 | Evaluation of the life cycle of an automotive component produced from biocomposite. <i>Journal of Cleaner Production</i> , <b>2020</b> , 273, 123051  | 10.3 | 11 |
| 269 | Insights on the structure-performance relationship of polyphthalamide (PPA) composites reinforced with high-temperature produced biocarbon.. <i>RSC Advances</i> , <b>2020</b> , 10, 26917-26927  | 3.7  | 7  |
| 268 | Study on the 3D printability of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/poly(lactic acid) blends with chain extender using fused filament fabrication. <i>Scientific Reports</i> , <b>2020</b> , 10, 11804   | 4.9  | 11 |
| 267 | Sustainable green composites from biodegradable plastics blend and natural fibre with balanced performance: Synergy of nano-structured blend and reactive extrusion. <i>Composites Science and Technology</i> , <b>2020</b> , 200, 108369                                   | 8.6  | 17 |

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| 266 | Development of hybrid composites reinforced with biocarbon/carbon fiber system. The comparative study for PC, ABS and PC/ABS based materials. <i>Composites Part B: Engineering</i> , <b>2020</b> , 200, 108319                              | 10   | 10  |
| 265 | Processing, Carbonization, and Characterization of Lignin Based Electrospun Carbon Fibers: A Review. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,  | 3.8  | 7   |
| 264 | Review of recent advances in the biodegradability of polyhydroxyalkanoate (PHA) bioplastics and their composites. <i>Green Chemistry</i> , <b>2020</b> , 22, 5519-5558   | 10   | 188 |
| 263 | Morphology and performance relationship studies on biodegradable ternary blends of poly(3-hydroxybutyrate--3-hydroxyvalerate), polylactic acid, and polypropylene carbonate.. <i>RSC Advances</i> , <b>2020</b> , 10, 44624-44632            | 3.7  | 5   |
| 262 | Sustainable Biocomposites from Poly(butylene succinate) and Apple Pomace: A Study on Compatibilization Performance. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 3775-3787  | 3.2  | 21  |
| 261 | Novel tunable super-tough materials from biodegradable polymer blends: nano-structuring through reactive extrusion.. <i>RSC Advances</i> , <b>2019</b> , 9, 2836-2847  | 3.7  | 11  |
| 260 | Super Toughened Poly(lactic acid)-Based Ternary Blends via Enhancing Interfacial Compatibility. <i>ACS Omega</i> , <b>2019</b> , 4, 1955-1968  | 3.9  | 21  |
| 259 | Formulation optimization of bioreinforced composites from polyolefins and dried distillers grains using statistical methods. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2019</b> , 119, 246-260                        | 8.4  | 3   |
| 258 | Rheological Monitoring of Chemical Gelation of Biodegradable Poly(butylene succinate): Importance of Peroxide Concentration and Temperature in Reactive Extrusion. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1604-1612         | 4.3  | 3   |
| 257 | Synergistic thermo-oxidative maleation of PA11 as compatibilization strategy for PA6 and PBT blend. <i>Polymer</i> , <b>2019</b> , 179, 121594   | 3.9  | 10  |
| 256 | Cross-Linkable Liquid-Crystalline Biopolyesteramide as a Multifunctional Polymeric Platform Designed from Corn Oil Side-Stream Product of Bioethanol Industry. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1900093       | 4.8  | 1   |
| 255 | grass-derived carbon dots to selectively detect Fe ions.. <i>RSC Advances</i> , <b>2019</b> , 9, 8628-8637   | 3.7  | 22  |
| 254 | Sustainable biocarbon as an alternative of traditional fillers for poly(butylene terephthalate)-based composites: Thermo-oxidative aging and durability. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47722 <sup>2.9</sup> |      | 13  |
| 253 | Injection molded biocomposites from polypropylene and lignin: Effect of compatibilizers on interfacial adhesion and performance. <i>Industrial Crops and Products</i> , <b>2019</b> , 132, 497-510   | 5.9  | 23  |
| 252 | Comparative study of the extrinsic properties of poly(lactic acid)-based biocomposites filled with talc sustainable biocarbon.. <i>RSC Advances</i> , <b>2019</b> , 9, 6752-6761   | 3.7  | 25  |
| 251 | Sustainable Hydrophobic and Moisture-Resistant Coating Derived from Downstream Corn Oil. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 8766-8774   | 8.3  | 16  |
| 250 | Fabrication of conductive Lignin/PAN carbon nanofibers with enhanced graphene for the modified electrodes. <i>Carbon</i> , <b>2019</b> , 147, 262-275  | 10.4 | 55  |
| 249 | Experimental Design of Sustainable 3D-Printed Poly(Lactic Acid)/Biobased Poly(Butylene Succinate) Blends via Fused Deposition Modeling. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 14460-14470                      | 8.3  | 19  |

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| 248 | Environmental and economic prospects of biomaterials in the automotive industry. <i>Clean Technologies and Environmental Policy</i> , <b>2019</b> , 21, 1535-1548   | 4.3 | 10  |
| 247 | Studies on why the heat deflection temperature of polylactide bioplastic cannot be improved by overcrosslinking. <i>Polymer Crystallization</i> , <b>2019</b> , 2, e10088   | 0.9 | 7   |
| 246 | Injection Molded Novel Biocomposites from Polypropylene and Sustainable Biocarbon. <i>Molecules</i> , <b>2019</b> , 24,   | 4.8 | 17  |
| 245 | Novel sustainable biobased flame retardant from functionalized vegetable oil for enhanced flame retardancy of engineering plastic. <i>Scientific Reports</i> , <b>2019</b> , 9, 15971   | 4.9 | 14  |
| 244 | Green Toughness Modifier from Downstream Corn Oil in Improving Poly(lactic acid) Performance. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 3396-3406   | 4.3 | 5   |
| 243 | Physicochemical analysis of apple and grape pomaces. <i>BioResources</i> , <b>2019</b> , 14, 3210-3230  | 1.3 | 21  |
| 242 | Fruit waste valorization for biodegradable biocomposite applications: A review. <i>BioResources</i> , <b>2019</b> , 14, 10047-10092   | 1.3 | 27  |
| 241 | Life Cycle Assessment of renewable filler material (biochar) produced from perennial grass ( <i>Miscanthus</i> ). <i>AIMS Energy</i> , <b>2019</b> , 7, 430-440   | 1.8 | 11  |
| 240 | Strategy To Improve Printability of Renewable Resource-Based Engineering Plastic Tailored for FDM Applications. <i>ACS Omega</i> , <b>2019</b> , 4, 20297-20307   | 3.9 | 15  |
| 239 | Hybrid Green Bionanocomposites of Bio-based Poly(butylene succinate) Reinforced with Pyrolyzed Perennial Grass Microparticles and Graphene Nanoplatelets. <i>ACS Omega</i> , <b>2019</b> , 4, 20476-20485                           | 3.9 | 9   |
| 238 | Novel Compatibilized Nylon-Based Ternary Blends with Polypropylene and Poly(lactic acid): Fractionated Crystallization Phenomena and Mechanical Performance. <i>ACS Omega</i> , <b>2018</b> , 3, 2845-2854                          | 3.9 | 27  |
| 237 | Understanding the morphology formation and properties of polyamide 6 and bio-based poly(trimethylene terephthalate) blends. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 2210-2218                                    | 2.3 | 1   |
| 236 | Improving the Impact Strength and Heat Resistance of 3D Printed Models: Structure, Property, and Processing Correlations during Fused Deposition Modeling (FDM) of Poly(Lactic Acid). <i>ACS Omega</i> , <b>2018</b> , 3, 4400-4411 | 3.9 | 100 |
| 235 | Graphitization of <i>Miscanthus</i> grass biocarbon enhanced by in situ generated FeCo nanoparticles. <i>Green Chemistry</i> , <b>2018</b> , 20, 2269-2278  | 10  | 40  |
| 234 | Polycarbonate biocomposites reinforced with a hybrid filler system of recycled carbon fiber and biocarbon: Preparation and thermomechanical characterization. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46449  | 2.9 | 28  |
| 233 | In Situ Cellulose Nanocrystal-Reinforced Glycerol-Based Biopolyester for Enhancing Poly(lactic acid) Biocomposites. <i>ACS Omega</i> , <b>2018</b> , 3, 3857-3867   | 3.9 | 11  |
| 232 | Stereodynamic insight into the thermal history effects on poly(vinyl chloride) calorimetric sub-glass and glass transitions as a fragile glass model. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 16333-16346    | 3.6 | 2   |
| 231 | Statistical design of sustainable thermoplastic blends of poly(glycerol succinate-co-maleate) (PGSMA), poly(lactic acid) (PLA) and poly(butylene succinate) (PBS). <i>Polymer Testing</i> , <b>2018</b> , 65, 420-428               | 4.5 | 26  |



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| 230 | Novel compatibilized nylon-based ternary blends with polypropylene and poly(lactic acid): morphology evolution and rheological behaviour.. <i>RSC Advances</i> , <b>2018</b> , 8, 15709-15724                            | 3.7  | 33  |
| 229 | Thermally Stable Pyrolytic Biocarbon as an Effective and Sustainable Reinforcing Filler for Polyamide Bio-composites Fabrication. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 3574-3589           | 4.5  | 44  |
| 228 | Poly(glycerol-co-diacids) Polyesters: From Glycerol Biorefinery to Sustainable Engineering Applications, A Review. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5681-5693                         | 8.3  | 41  |
| 227 | Improvement of Impact Toughness of Biodegradable Poly(butylene succinate) by Melt Blending with Sustainable Biobased Glycerol Elastomers. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 10784-10876 | 4.5  | 6   |
| 226 | Blends of polylactic acid with thermoplastic copolyester elastomer: Effect of functionalized terpolymer type on reactive toughening. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 280-290                  | 2.3  | 23  |
| 225 | Biodegradable compatibilized polymer blends for packaging applications: A literature review. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45726  | 2.9  | 139 |
| 224 | Plywood adhesives derived from distillers' dried grains with solubles (DDGS) incorporating 2-hydroxyethyl acrylate. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45689                                 | 2.9  | 4   |
| 223 | Tuning the compatibility to achieve toughened biobased poly(lactic acid)/poly(butylene terephthalate) blends.. <i>RSC Advances</i> , <b>2018</b> , 8, 27709-27724  | 3.7  | 17  |
| 222 | Effect of Compatibilization on Biobased Rubber-Toughened Poly(trimethylene terephthalate): Miscibility, Morphology, and Mechanical Properties. <i>ACS Omega</i> , <b>2018</b> , 3, 7300-7309                             | 3.9  | 8   |
| 221 | Sustainable Carbonaceous Biofiller from Miscanthus: Size Reduction, Characterization, and Potential Bio-composites Applications. <i>BioResources</i> , <b>2018</b> , 13,   | 1.3  | 14  |
| 220 | A Low Forward Bias Active Diode Circuit for Electrostatic Energy Harvesters <b>2018</b> ,  |      | 2   |
| 219 | Long-term performance of nucleated toughened polypropylene-biocarbon composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 105, 274-280  | 8.4  | 11  |
| 218 | Slow pyrolysis of bio-oil and studies on chemical and physical properties of the resulting new bio-carbon. <i>Journal of Cleaner Production</i> , <b>2018</b> , 172, 2748-2758   | 10.3 | 27  |
| 217 | Preparation of an Electric Double Layer Capacitor (EDLC) Using Miscanthus-Derived Biocarbon. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 318-324   | 8.3  | 39  |
| 216 | Injection-Molded Bioblends from Lignin and Biodegradable Polymers: Processing and Performance Evaluation. <i>Journal of Polymers and the Environment</i> , <b>2018</b> , 26, 2360-2373                                   | 4.5  | 9   |
| 215 | Bio-poly(butylene succinate) and Its Composites with Grape Pomace: Mechanical Performance and Thermal Properties. <i>ACS Omega</i> , <b>2018</b> , 3, 15205-15216  | 3.9  | 44  |
| 214 | Biodegradable Composites Developed from PBAT/PLA Binary Blends and Silk Powder: Compatibilization and Performance Evaluation. <i>ACS Omega</i> , <b>2018</b> , 3, 12412-12421  | 3.9  | 31  |
| 213 | Biobased Poly(ethylene terephthalate)/Poly(lactic acid) Blends Tailored with Epoxide Compatibilizers. <i>ACS Omega</i> , <b>2018</b> , 3, 11759-11769  | 3.9  | 25  |

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| 212 | Composites from renewable and sustainable resources: Challenges and innovations. <i>Science</i> , <b>2018</b> , 362, 536-542  | 33.3 | 377 |
| 211 | Characterization of biocarbon generated by high- and low-temperature pyrolysis of soy hulls and coffee chaff: for polymer composite applications. <i>Royal Society Open Science</i> , <b>2018</b> , 5, 171970                                   | 3.3  | 35  |
| 210 | Electrospinning Process and Structure Relationship of Biobased Poly(butylene succinate) for Nanoporous Fibers. <i>ACS Omega</i> , <b>2018</b> , 3, 5547-5557  | 3.9  | 17  |
| 209 | Sustainable biocarbon reinforced nylon 6/polypropylene compatibilized blends: Effect of particle size and morphology on performance of the biocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 112, 1-10 | 8.4  | 36  |
| 208 | Impact of Butyl Glycidyl Ether Comonomer on Poly(glycerol succinate) Architecture and Dynamics for Multifunctional Hyperbranched Polymer Design. <i>Macromolecules</i> , <b>2017</b> , 50, 732-745  | 5.5  | 12  |
| 207 | Influence of epoxidized natural rubber on the phase structure and toughening behavior of biocarbon reinforced nylon 6 biocomposites. <i>RSC Advances</i> , <b>2017</b> , 7, 8727-8739   | 3.7  | 30  |
| 206 | Exploring the Effect of Poly(propylene carbonate) Polyol in a Biobased Epoxy Interpenetrating Network. <i>ACS Omega</i> , <b>2017</b> , 2, 611-617  | 3.9  | 14  |
| 205 | Reactive compatibilization and performance evaluation of miscanthus biofiber reinforced poly(hydroxybutyrate-co-hydroxyvalerate) biocomposites. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 134,                             | 2.9  | 12  |
| 204 | A statistical approach to develop biocomposites from epoxy resin, poly(furfuryl alcohol), poly(propylene carbonate), and biochar. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45307  | 2.9  | 18  |
| 203 | Sustainable Biocomposites from Pyrolyzed Grass and Toughened Polypropylene: Structure-Property Relationships. <i>ACS Omega</i> , <b>2017</b> , 2, 2191-2199   | 3.9  | 27  |
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